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The object of this journal is to present all the results of the National Sample Survey (NSS) as and when they are ready for publication. Analytical articles based on the results previously published are also included in this journal. Sarvekshana welcome contributions based on the NSS data and those relating to its methodology.

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A Note on Cultivation Practices in India : NSS 54th Round (January 1998-June 1998)

SECTION 1

INTRODUCTION

1.1 The Issue in Perspective

1.1.1 An enquiry on cultivation practices was conducted as a part of the 54th round survey of the National Sample Survey Organisation (NSSO) during January to June 1998. The enquiry was carried out in the rural areas of the entire country through a household survey based on random sampling. In the past, the NSSO had conducted similar enquiries, either on the same topic or on those which are closely related to it, like land and livestock holdings, sources of irrigation and agricultural implements. The present enquiry, on which this issue is based, is essentially designed to generate information only on the spread of improved agricultural technology, embodying the use of improved high-yielding seeds, fertilisers and irrigation on the one hand and mechanisation of agricultural operations on the other.

1.1.2 Objective: The technological change in agriculture that is currently under way in India was initiated in the 1960s when the Government introduced and popularised in certain regions of the country the high-yielding varieties (HYVs) of wheat and rice developed in Mexico and Philippines respectively. Over the last three decades, there has been a marked increase in the use of HYVs and hybrid seeds, and of the inputs like fertilisers, pesticides and irrigation which are essential for raising them and mechanisation of agriculture throughout the country. Nevertheless, it is widely held that not only has the geographical spread of the improved technology been uneven, but the sharing of the benefits of technology by different sections of the farmers has also been extremely unequal. Though the available macro-level data on the consumption of fertilisers and pesticides, irrigated area and area under HYVs of the main cereal crops like wheat, rice, maize, *jowar* and *bajra* do provide a fair idea of the geographical spread, the data on the level of adoption of improved technology on farms of different sizes or those on area treated with fertilisers or pesticides or tilled by tractors and power tillers are virtually absent. The present enquiry aims at providing certain basic State-level statistics on farm mechanisation and use of the improved 'seed-fertiliser-water' technology by farmers of varying ownership holding of land. The enquiry is, however, confined to the study of field-crop cultivation. Thus the aspects of technological change in plantation and horticulture, or in the other sub-sectors of agriculture, are beyond the purview of this issue.

1.2 The Present Issue

1.2.1 This issue pertains to the use of advanced technology for the cultivation of field crops based on data collected on crops cultivated, season of cultivation, area under each crop, use of irrigation facility and other inputs and use of machinery, in the 54th round of the NSSO. Data collected and used in this issue can be briefly described as follows:

1. Data on crops cultivated, season of cultivation and area sown with it.
2. For each crop issueed, data on use of machinery, such as tractors/power tillers, irrigation pump sets and harvestors. For crops for which the soil was tilled with tractors/power tillers, it was enquired whether they were taken on hire.

3. For each crop issued, data on use of inputs, viz., manure and its type, fertilisers, improved seeds and its type, irrigation and whether irrigation services hired and weedicide and pesticides, etc.

4. Household level information like

   a) land owned, possessed, net sown area and area cropped more than once

   b) whether soil was tested and whether recommendations followed

   c) irrigation facilities and machinery and whether some of them remained unused.

1.2.2 Layout of the issue: The issue contains five sections, including the present one, and two appendices. Section 2 provides a brief discussion on the definitions and concepts used for the enquiry. Section 3 gives a fairly detailed description of the sample design and the estimation procedure used for the survey. Section 4 discusses the main findings of the survey and attempts to provide a perspective for proper interpretation of the results. Part II, which, in fact, forms the main body of the issue, presents the detailed survey results on cultivation practices in the form of tables. Part III Contains the Hindi Version of the main findings.

1.2.3 The estimates presented in the issue are based on the pooled data of the two *sub-samples* of only the *Central sample*. (See the section "Method of Data Collection" for discussion on *sub-sample* and *Central sample*.) The survey results presented in the issue are mostly in the form of ratios. The basic aggregate estimates and number of households, given in the detailed tables of Part II, generally as marginal column totals, may be used for working out rates and ratios for domains not presented in the issue.

1.3 Fifty-fourth Round

1.3.1 Four main topics were covered in the 54th Round, namely,

(i) Drinking Water, Sanitation & Hygiene

(ii) Travel and Use of Mass Media and Financial Services

(iii) Cultivation Practices

(iv) Common Property Resources

In addition, the survey on household consumer expenditure and employment-unemployment was as usual conducted in this round. The present issue contains estimates on cultivation practices and common property Resources. The results of the enquiries on the other two topics are being brought out in Sarvekshana Issue No. 82 (Special) January-March, 2000.

1.3.2 For the enquiry on cultivation practices, the rural areas of the entire country, were covered, with the exception of some interior areas of Nagaland and Andaman & Nicobar Islands and the Ladakh and Kargil districts of Jammu & Kashmir.

1.4 Method of Data Collection

1.4.1 The present issue is based mainly on the information on cultivation practices collected in a part of Schedule 31. The data were collected from a sample of households by interview method. The survey period for the 54th Round was January to June 1998.

1.4.2 Reference period: The enquiry on cultivation practices was conducted generally with the reference period of the agricultural year 1997-98. The survey period being a part of the reference period in many cases, complete information on crops cultivated during the agricultural year was not available when the household was surveyed. The additional information on cultivation of crops that were to be undertaken during the remaining part of the agricultural year was ascertained by asking the informant certain additional probing questions

regarding his plans for the *rabi* season. Similarly, the net sown area was worked out on the basis of actual area sown in *kharif* and the additional area planned to be sown during the *rabi* season. For questions like 'whether well/tubewell remained unused' and 'whether pump sets remained unused', a reference period of 365 days preceding the date of survey was used.

1.4.3 Sample design: The sample design adopted for the survey was essentially a two-stage stratified design, with census villages as the first-stage units (FSUs) and households as the second-stage units (SSUs). The survey period was January - June 1998. The sample of FSUs was drawn independently in the form of two sub-samples and an equal number of FSUs was allocated to each sub-sample. (For a detailed discussion on sample design, see Chapter III.)

1.4.4 Sample size – first-stage units: In all, 10,978 villages were planned to be surveyed in this round. Of these, 5,242 were allocated to the Central sample - the part surveyed mainly by the NSSO field staff - and the rest to the State sample - the part surveyed by the State agencies. In the urban sector, the allocations for the Central and State samples were 1,788 and 2,256 blocks respectively. This issue, however, pertains to rural areas and thus is based on the data collected from the villages in the Central sample alone.

1.4.5 Sample size – second-stage units: For Schedule 31, 16 households were planned to be surveyed in each selected village. In all, 78,990 rural households were surveyed in the present survey.

1.5 Earlier Surveys of NSSO Relating to Cultivation Practices

1.5.1 As early as in 1951-52 and 1952-53, NSS, in its 5th to 7th rounds conducted a survey on some aspects of the cost of cultivation of minor cereals, pulses, sugarcane, oilseeds, potato, spices and tobacco. In those surveys, detailed data were collected on periods of sowing and harvesting by crops, area under crops, sources of seeds used, quantity and value of seeds used, quantity and value of manure used, water charges per acre, human and animal labour days utilised per acre and value of production per acre, etc. In the 8th round of the NSS (July 1953 - June 1954), for the first time, information was collected on agricultural implements - whether owned/hired mechanised agricultural operation in cultivation - whether used/not used, types of seeds and manure used and sources of irrigation. Information was collected on farming conditions and practices of agricultural operations, on adequacy of available human and animal labour, source of human and animal labour and implements and their utilisation, area of plots under sowing types: drilling, transplanting, etc., for different crops, area under manure by type of manure and area under different sources of irrigation. The 11th round of the NSS, conducted during August 1956 - February 1957, covered aspects of agriculture in India. In this survey detailed information on values of various inputs and outputs and yield per unit input was collected. Again, in the 22nd round of the NSS conducted during July 1967 - June 1968, a survey on farm practices was carried out. In this survey details of households using various improved agricultural practices with reasons for non-use and availability of irrigation, improved seeds and fertilisers was collected. Information on available animal labour and agricultural implements, and the extent to which they were used, was collected in the 26th round of the NSS, conducted during July 1971 - Sept. 1972. Lastly, in the 31st round of the NSS, a detailed enquiry on irrigation was taken up during July 1976 - June 1977. In this survey too, information on the use of improved seeds, chemical fertilisers, pesticides, etc. was collected, besides data on irrigation.

SECTION 2

CONCEPTS AND DEFINITIONS

2.1.1 The concepts and definitions of the terms used in this issue are briefly discussed in this section.

2.2.1 Household: A group of persons normally living together and taking food from a common kitchen constitutes a household. The word "normally" means that temporary visitors are excluded but temporary stay-aways are included. Thus a son or a daughter residing in a hostel for studies is excluded from the household of his/her parents, but a resident employee or a resident domestic servant or paying guest (but not just a tenant in the house) is included in the employer/host's household. "Living together" is usually given more importance than "sharing food from a common kitchen" in drawing the boundaries of a household in case the two criteria are in conflict; however, in the special case of a person taking food with his family but sleeping elsewhere (say, in a shop or a different house) due to space shortage, the household formed by such a person's family members is taken to include the person also. Each inmate of a hotel, mess, boarding lodging house, hostel, etc., is considered a single-member household except that a family living in a hotel (say) is considered to be one household only; the same applies to residential staff of such establishments.

2.3.1 Land owned: A plot of land is considered to be owned by the household if permanent heritable possession, with or without right to transfer (sell) the title, is vested in a member or members of the household.

2.3.2 Land possessed: Land possessed is given by land owned (including land held under long term lease of 30 years or more) + land leased-in - land leased-out + otherwise possessed land. The last class of land, i.e. otherwise possessed land, is understood to mean all public/ institutional land possessed by the household without title of ownership or occupancy right.

2.3.3 Net area sown: It consists of area sown with field crops and area under orchards and plantations, counting only once the area sown more than once during the same year. [Area under the 5 major crops consists of net area sown under the 5 most important field crops among the 12 crop-groups as defined below in para 2.4.1.]

2.3.4 Area sown more than once: It is the area sown more than once, or planned to be sown more than once, during the same agricultural year. If the area is sown under 5 most important field crops among 12 crop-groups more than once the area is taken as the product of net area sown and number of times sown less one. Thus if 1 hectare of land is sown thrice in the agricultural year 1997-98 under a major field crop among 12 crop-groups, the area sown more than once will be taken as 2 hectares.

2.4.1 Five major crops: These are five most important field crops identified on the basis of value of production of the crops. The set of 5 major crops is not a fixed set but varies from household to household. For any particular household it is understood as the 5 most important field crops cultivated by the household in the agricultural year 1997-98 in

terms of value of production of the crops (field-crops excluding plantation-crops and orchards) from among a list of crop-season combinations involving 12 crop-groups. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose. The 12 crop-groups are as follows:

1.	paddy	7.	sugar cane
2.	wheat	8.	vegetables
3.	other cereals	9.	fodder
4.	pulses	10.	fruits and nuts
5.	oil seeds	11.	other cash crops
6.	mixed crop	12.	others

2.4.2 Season: The season of a crop is determined by the time of the year it is harvested. All crops harvested during July to December are called *kharif* crops and those harvested during January to June are called *rabi* crops.

2.4.3 Classification of field crop cultivators by ownership of holding: In the detailed tables, given in Part II, 8 size classes have been used, which are as follows:

nil (< 0.01 ha.)	1.01 - 2.00
0.01 - 0.20	2.01 - 4.00
0.21 - 0.50	4.01 - 10.00
0.51 - 1.00	10.01 & above

The households were classified accordingly depending upon the total area of land owned by its members.

2.5.1 Improved seeds: Nucleus was the one freshly released by Government research stations for multiplication in agricultural department farms or to some registered seed growers. From this nucleus seed parent/ foundation seeds were obtained for general distribution to cultivators. Thus the parent seed certified as better yielding varieties and released for improved seeds by Government agricultural departments were considered as certified seeds. Seeds obtained by multiplication of these parent seeds were taken as uncertified improved seeds.

2.5.2 Fertilisers and manure: The pure compounds of N, P & K manufactured in factories that are used as nutrients of plants are fertilisers whereas all other nutrients of plants are manures.

2.6.1 Cultivator households: A household was considered a cultivator household, for this issue, if it had issueed some net sown area during the agricultural year 1997-98.

2.6.2 Field crop cultivator household: A household was taken a field crop cultivator household, for this issue, if it had sown any field crop during the agricultural year 1997-98.

2.6.3 Abbreviations: Some abbreviations commonly used in the issue are given below;

ACG	Average number of Crop Group
AFMC	Area under Five Major Crops
FCC	Field Crop Cultivator
GCA	Gross Cropped Area
HYV	High Yielding Variety
LHS	Land Holding Survey
LUS	Land Use Statistics
NSA	Net Sown Area

SECTION 3

SAMPLE DESIGN AND ESTIMATION PROCEDURE

3.0 Since in the 54th round of the NSS the survey on Cultivation Practices was conducted in the rural areas only, the sample design and estimation procedure too, have been stated below only for the rural areas.

3.1 Sample Design

3.1.1 A stratified multi-stage sampling design was adopted for the survey. The first stage units were census villages (*panchayat* wards in the case of Kerala). Households formed the ultimate-stage units.

3.1.2 Sampling frame for first-stage units (FSUs): The list of census villages of the 1991 population census (the 1981 census list for J & K) constituted the sampling frame for most of the States. For Kerala, however, the list of *panchayat* wards was used as the sampling frame for selection of *panchayat* wards. For Nagaland, the villages located within 5 km of a bus route constituted the sampling frame, whereas for Andaman & Nicobar Islands, the list of accessible villages constituted the sampling frame.

3.1.3 Stratification: From the list of villages of each State/Union Territory (UT), initially three separate strata were formed by considering villages (a) with very small population (b) with no population and (c) with very high population. These are formally stated below:

Stratum 1 : all uninhabited villages (as per the 1991 census).

Stratum 2 : villages each with a population of 1 to 50 (including both the boundaries) as per the 1991 census.

Stratum 3 : villages each with a population of more than 15,000 as per the 1991 census.

Each of the above three strata was formed only when there were at least 10 villages of the specified population in the State/UT as per the 1991 population census. Otherwise, these villages were included in the general strata as described below.

3.1.4 After formation of the strata 1, 2 and 3 (wherever applicable), the remaining villages of the State/UT were considered for formation of the general strata. Each district with a population of less than 2 million as per the 1991 census formed a separate stratum. A district having a population of 2 million or more was divided into two or more strata, depending on its population, as per the usual procedure followed in the NSS. For Gujarat, some districts cut across NSS regions. In such cases, the part of a district falling in an NSS region formed a separate stratum.

3.1.5 Allocation of first-stage units (FSUs): A total all-India sample of 5242 villages for the Central sample were allocated to the States/UTs in proportion to their investigator strength. State/UT level rural/urban allocations are given in Statement A.

3.1.6 Next a suitable sample size – minimum 2 and maximum 6 villages; the exact number depending on the total number of villages in the frame - was allocated to stratum type 1 of rural areas of each State and UT. In all, 68 sample villages were allocated to stratum 1 of the rural areas, considering all those States/UTs where stratum type 1 was formed. From stratum 2, a

sample of a maximum of 6 villages was selected from each State and UT. The number of sample villages from stratum 3 was either 2 or 4 depending upon whether the number of villages in the frame of stratum type 3 was less than 20 or more. The remaining sample size (i.e. total allocation for the rural areas less the allocations for strata 1,2 and 3) of rural areas of each State and UT was allocated to the general strata (i.e. the strata other than strata 1, 2 and 3) in proportion to their populations.

stratum type	selection procedure
1	css with equal probability @
2	-do- *
3	-do- *
others	css with pps *

(css : circular systematic sampling, pps : probability proportional to size, size = population)

@ arrangement of villages in the frame is the same as that of the census

* after arranging the FSUs in an ascending order of population

3.1.7 Selection of first-stage units: The selection of the sample FSUs was done in the form of two independent sub-samples as follows :

3.1.8 Selection of hamlet-groups in rural areas: There are villages in India which contain large population. Listing all the households of such a village requires considerable amounts of time and effort of field officials. To limit their work-load at this stage of the survey operation, the large villages were further subdivided into a specified number of parts, by grouping contiguous natural hamlets, in such a way that each group contained natural hamlets, approximately with an equal fraction of the village population. These groups of hamlets were called hamlet-groups (hgs). From the specified number of hamlet groups (depending upon the approximate present population) thus formed, a random sample of the hamlet-groups was drawn for the subsequent stages of the survey. The number of hamlet-groups formed and selected for the survey were as follows:

approx. present population of village	no. of hgs formed (*D*)	no. of hgs selected for survey(*d*)
less than - 1200	no hg formation	entire village is selected for survey
1200 - 1999	4	2
2000 - 2499	5	2
2500 - 2999	6	2
3000 - 3499	7	2
3500 - 3999	8	2
4000 - 4499	9	2
4500 - 4999	10	2
5000 - 5499	11	3
.	.	.
.	.	.
.	.	.
9500 - 9999	20	3
10000 - 10499	21	4
.	.	.
.	.	.
.	.	.
14500 - 14999	30	4
15000 - 15499	31	5@
and so on		

@ 5 hgs were selected for survey from each selected village having approx. present population of 15000 or more

However, for the rural areas of Himachal Pradesh, Sikkim, and Punch, Rajouri, Udhampur and Doda districts of Jammu & Kashmir, the limit was D=1 for a population of less than 600, D=4 for a population of 600 - 1199; D=5 for a population of 1200 - 1499; D=6 for a population of 1500 - 1799 and so on. The number of hgs selected for the survey was d=2 for D=4 to 10, d=3 for D=11 to 20, d=4 for D=21 to 30 and d=5 for D>30.

3.1.9 Second-stage stratification (for selection of households): In rural areas, all the households of a sample village, or the selected hamlet groups of it, were classified into 3 second-stage strata. The households engaged in free collection (other than fuelwood and marine fishing) formed second-stage stratum 1. Other rural households were grouped into two second-stage strata - those with wage/salary earning but possessing land less than 0.40 hectare formed second-stage stratum 2 while the rest of the households formed second-stage stratum 3. The households of second-stage stratum 3 in rural areas were arranged by area of land possessed before sample selection. In urban areas also, the households were grouped into three second-stage strata, but by following a procedure different from that followed for rural areas.

3.1.10 Selection of households : For schedule 31, a sample of 16 households from each selected village (or selected hamlet-groups) was selected for the survey.

3.1.11 The 16 households selected from each selected village (or selected hamlet-groups) were allocated among the three second-stage strata in proportion to the number of households in the respective frames with a minimum allocation of 4, 2 and 2 households, respectively, to second-stage strata 1, 2 and 3.

3.1.12 While allocating the above total number of sample households among the three second-stage strata, if allocation for one particular second-stage stratum was less than the minimum allocation specified for the second-stage stratum, its quota was increased to the said minimum number and the residual total allocation was allocated between the other two second-stage strata in proportion to the total number of households in the respective frames. The sample households were selected circular systematically with independent random starts from the respective frame of households in each second-stage stratum.

3.2 Estimation Procedure

3.2.1 The estimation procedure adopted in the 54th round for schedule 31 is briefly indicated here.

3.2.2 Notation: The notation used for describing the estimation procedure is as given below:

s = subscript for stratum

i = subscript for sample village

j = subscript for second-stage stratum of a sample village

k = subscript for sample household

b = subscript for sub-sample (b=1, 2)

z = size of the sample village used for selection

Z = total size for a stratum as per the frame

n = number of sample villages (i.e. no. used for tabulation) surveyed includinguninhabited and zero cases and excluding casualty and other not received cases

D = number of hamlet-groups formed in the sample village

d = number of hamlet-groups selected for survey

H = total number of households listed in the frame

h = number of sample households available for tabulation

y = value of any characteristic under estimation in a sample village/household

$\hat{Y}$ = estimate of population total of the characteristic y

3.2.3 Estimates of aggregates:

For schedule 31, the formula used for the estimation of the aggregates of the s-th stratum and b-th sub-sample is as specified below:

$$\hat{Y}_{sb} = \frac{Z_{si}}{n_{sb}} \sum_{i=1}^{n_{sb}} \frac{D_{sbi}}{d_{sbi}} \frac{1}{z_{sbi}} \sum_{j=1}^{3} \frac{H_{sbij}}{h_{sbij}} \sum_{k} y_{sbijk}$$

Note: (i) For strata 1,2 and 3 in the rural sector, z=1 and Z= total number of villages in the frame of the respective strata whereas for other strata in the rural sector, z= population of the sample village as per the frame used for selection and Z= total population of the stratum

(ii) When D =1 , d =1 and for $D \geq 4, 2 \leq d \leq 5$

(iii) When H>0 but h=0 for any second-stage stratum, that second-stage stratum was merged with any of the other two second-stage strata. In particular, if h=0 for H>0 for the 1st second-stage stratum, it was merged with the 3rd second-stage stratum. If second-stage stratum 2 became a casualty, it was merged with second-stage stratum 3. Lastly, if second-stage stratum 3 became a casualty, it was merged with second-stage stratum 1.

The pooled estimate of the s-th stratum based on two sub-samples has been obtained as

$$\hat{Y}_{s} = \frac{1}{2} \sum_{b=1}^{2} \hat{Y}_{sb}$$

The pooled estimate $\hat{Y}_s$ at the region/State/UT/all-India has been obtained by summing the stratum estimated $\hat{Y}_s$ over all the strata of the region/State/UT/all-India.

3.2.4 Estimates of ratios: The estimate of the ratio $R = \frac{Y}{X}$ (where X and Y are the population totals of the two characters) was obtained as. $\hat{R} = \frac{\hat{Y}}{\hat{X}}$

Statement A : First-stage and second-stage sample size

State/UT	number of FSUs in				number of sample households surveyed	
	rural		urban			
	allotted	surveyed	allotted	surveyed	rural	urban
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh.	364	364	132	132	5721	2356
Ar. Pradesh *	52	49	8	7	719	126
Assam	214	206	28	28	3243	504
Bihar	478	477	72	72	7464	1283
Goa	18	18	12	12	256	212
Gujarat	190	190	96	96	2939	1701
Haryana	82	82	24	24	1222	430
Himachal Pradesh	132	127	12	12	1914	214
Jammu & Kashmir	192	116	60	27	1719	536
Karnataka	204	204	88	88	3152	1566
Kerala	204	204	72	72	2911	1296
Madhya Pradesh	372	372	112	112	5802	2010
Maharashtra	344	344	212	212	5359	3806
Manipur	60	60	24	16	873	414
Meghalaya	70	70	16	16	1040	277
Mizoram	42	42	36	36	594	648
Nagaland	56	56	12	11	895	196
Orissa	220	220	36	36	3401	646
Punjab	166	166	72	72	2533	1295
Rajasthan	228	228	64	64	3501	1129
Sikkim	60	60	8	8	936	144
Tamil Nadu	338	336	176	176	5324	3138
Tripura	108	76	20	20	1216	360
Uttar Pradesh	638	638	156	156	10003	2792
West Bengal	340	340	124	124	5312	2222
A & N Islands	38	38	12	12	502	216
Chandigarh	4	4	12	12	64	216
D & N Haveli	4	4	4	4	64	72
Daman & Diu	4	4	4	4	64	72
Delhi	10	10	68	68	119	1158
Lakshadweep	6	6	4	4	64	72
Pondicherry	4	4	12	12	64	216
All India	**5242**	**5115**	**1788**	**1745**	**78990**	**31323**

SECTION 4

MAIN - FINDINGS

4.1.1 The present enquiry on cultivation practices aims at assessing the level of adoption of advanced agricultural technology by farmers of varying ownership holdings of land in different parts of the country. The strategy of introducing high-yielding and short-duration varieties of exotic seeds adopted during the Fourth Plan has brought about a lasting technological change in Indian agriculture. In this issue the term 'advanced agricultural technology' refers to the cultivation practices consisting of all operations of crop production that are required for high-yielding variety (HYV) and hybrid seeds.

4.1.2 The advanced technology has two specific components. First, the advanced 'seed-fertilizer-water' technology is based on use of improved seeds, which are responsive to ample doses of fertilizers and require an assured supply of water. This directly affects the agricultural production by raising the productivity of land. The second component, 'mechanised technology', i.e. use of capital-intensive farm machinery like tractors, power-tillers and harvesters, plays a complementary role leading to faster turnout of operations like ploughing, weeding and harvesting, with a substantial reduction in costs. This issue attempts to present an overview of the spread and progress of the advanced 'seed-fertiliser-water' technology on the one hand and of the mechanisation in agricultural operations on the other.

4.1.3 The main findings of the enquiry on cultivation practices are summarised in this section. It starts with a brief discussion on size of ownership holdings of the field-crop cultivator households, i.e. those engaged in raising field crops. This is followed by an overview of the crop composition in terms of area devoted to different groups of crops. The spread of 'seed-fertiliser-water' technology is then discussed in some detail. Finally, the survey results indicating the extent of mechanisation of cultivation are discussed in terms of use of tractors, power tillers and harvesters.

4.2 Field-crop cultivation

4.2.1 The present enquiry on cultivation practices is confined to the study of field-crop cultivation. The practices followed in plantation, horticulture, etc., are thus excluded from the purview of this study. The survey was conducted during a period of six months, viz. January-June 1998, while the data were required to be collected on crops cultivated during the agricultural year 1997-98. Thus a large part of the sample was surveyed before the completion of *rabi* cultivation in the reference agricultural year. In all such cases, the data on *rabi* cultivation are based on the cultivator's plans for the coming *rabi* season, as issueed on the date of survey, and his experiences during the last *rabi* season.

4.2.2 In recent times, farmers, especially those with a fair amount of land, have shown an increasing tendency to raise a number of different crops in an agricultural year. Collection of data separately on all the crops raised by such farmers during an agricultural

year demands considerable amounts of time and resources which can be afforded only in surveys devoted entirely to cultivation practices. The present enquiry being just a small component of the survey conducted in the NSS 54th round, it was decided to restrict the collection of crop-level details to only the five most important of all the field-crops cultivated by a sample household during the agricultural year. When a sample household was found to have grown more than five field crops, the field staff was required to record the details of only the *five major crops*, identified on the basis of value of produces. Thus, all the estimates on cultivation of field-crops presented in this issue are based on data recorded on **at most five field-crops for each sample household**. The estimates of cropped area based on these data are called 'area under 5 major crops' through out this issue. Besides the details of field-crops cultivated by a household, data on the total net sown area (NSA) and area sown more than once during the agricultural year were also collected from each household. For this issue, the households reporting some amount of NSA during the agricultural year are treated as cultivator households. Thus, the category 'cultivator households' includes also those households who were reported to have some area under orchards or plantations but none devoted to cultivation of seasonal crops. As distinct from a cultivator household, **a field-crop cultivator (FCC) household is defined as one which issueed cultivation of at least one field crop during the agricultural year.**

Statement 1: Cultivator and Field-crop cultivator household and average area cultivated

Item	India estimate
1. Estimated number of cultivator households (00)	825,058
2. Estimated number of FCC households (00)	821,388
3. Percentage of cultivator households to all households	61.2
4. Percentage of FCC households to all households	60.9
5. Average NSA per FCC household (ha)	1.25
6. Average area sown more than once per FCC household (ha)	0.57
7. Gross cropped area (GCA) per FCC household (ha)	1.82
8. Area under 5 major crops per FCC household (ha)	1.75
9. Percentage of area under 5 major crops to GCA	96%

4.2.3 The national-level estimates relating to NSA and area under field-crops recorded in the survey are given in Statement 1. It reveals that almost all the cultivator households had raised some field-crops during the agricultural year 1997-98. The percentage of cultivator households (61.2%) was marginally higher than that of FCC households (60.9%).

4.2.4 The percentage of cultivator households, estimated from the present survey, however, appears to be some what on the lower side when compared to the estimated percentage of operating households (80%) based on the Land And Livestock Holdings Survey (LHS) of the NSS 48th round (1991-92). In the LHSs of the NSSO, the category 'operating households' includes all those households which carry out any kind of agricultural production during the reference agricultural year. Besides those raising any kind of crop, it included the households engaged solely in other agricultural activities like animal husbandry, pisciculture, etc. From the estimates of LHS 1991-92, given in Statement 2, it appears that field-crops were raised outside

homestead in about three-fourths of the operational holdings. Since, 80% of the households were operating households[1], the percentage of households raising field-crops outside homestead works out to about 60% – a figure close enough to the percentage of cultivator households estimated in the present survey. Thus, it appears like that in the present survey, raising of seasonal or field-crops in kitchen gardens or in any other part of the homestead was not considered while recording cultivation of field-crops. There was no clear guidelines in this respect in the instructions manual for the field staff.

Statement 2: Percentage distribution of operational holdings issueing different types of agricultural production (1991-92)

India

agricultural activity	percentage of holdings
only in homestead:	
poultry or livestock only	7.6
kitchen garden only	1.6
any other combination	13.8
total within homestead	24.1
outside homestead:	
raising field crops	75.9
Total	100.0

4.2.5 Statement 1 also shows that, on an average, a FCC household had a NSA of 1.25 ha, GCA of 1.82 ha and area under 5 major crops of 1.75 ha. Significantly, it is seen that the share of area under 5 major crops (henceforth called AFMC) in the GCA is as high as 96%. Besides the area under crops other than the five most important ones recorded in the present survey, the GCA includes area under orchards and plantations of the households. Thus, it appears that the restriction of recording details of at the most five crops for a sample household has lead to an under-coverage, only a small part of the total cropped area under field crops.

4.2.6 The percentages of cultivator and fieldcrop cultivator households, given in Statement 3, show that field crops were raised by virtually every cultivator household in all the States, except Kerala. A perceptible difference between the percentages of cultivator households (79%) and FCC households (76%) was found only in Kerala, which has about two-thirds of its NSA under plantation crops like rubber, black pepper and coconut[2].

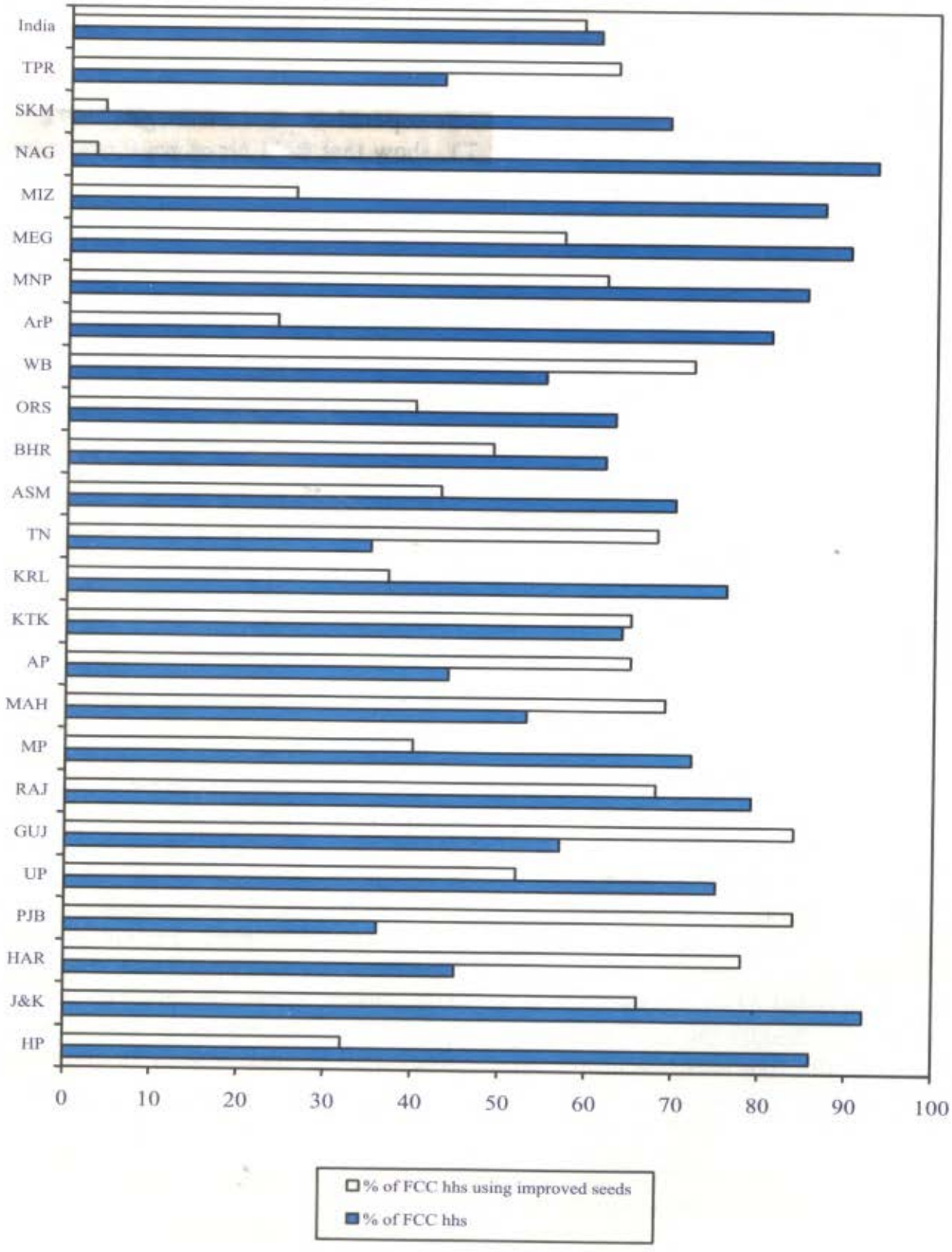
4.2.7 Statement 3 also gives the percentage of AFMC in GCA for each State. It is seen that the share of AFMC in GCA was about 90% or more in all the States, except for some of the North-eastern hill States and Kerala. Relatively high shares of AFMC in GCA were found in Himachal Pradesh (98%), Rajasthan (96%), Madhya Pradesh(96%) and Mizoram (96%).

4.2.8 Another feature of significance revealed by the statement is that the five lowest percentages of FCC households were observed in Tamil Nadu (35%), Punjab (36%), Tripura (43%), Andhra Pradesh (44%) and Haryana (45%). The estimates relating to use of improved cultivation practices, discussed later in this chapter, indicate more extensive spread of advanced agricultural technology in all these States, except Tripura, than in the rest of the country. In fact, the percentage of FCC households and the percentage of households using improved variety of seeds for cultivation appear to be negatively related, as indicated by Figure 1.

[1] Source: Sarvekshana Issue No. 76 (July-September 1998) : *Livestock and Agricultural Implements in Household Operational Holdings*, NSS 48th Round, 1991-92

[2] Reference: *Area, Production and Yield of Principal Crops, 1993-94*, DES, M/o Agriculture.

Figure 1
Percentage of FCC households using improved seeds and percentage of FCC households by State



Statement 3: Percentage of cultivator households and field-crop cultivator (FCC) households, and percentage of area under 5 major crops(AFMC)

state	Percentage of FCC	Percentage of cultivator	percentage of AFMC to GCA
North Himalyan			
Himachal Pradesh	86	86	98
Jammu & Kashmir	92	92	93
North			
Haryana	45	45	93
Punjab	36	36	95
Uttar Pradesh	75	75	92
North-West			
Gujarat	57	57	91
Rajashthan	79	79	96
West & Central			
Madhya Pradesh	72	72	96
Maharashtra	53	53	92
South			
Andhra Pradesh	44	44	91
Karnataka	64	64	93
Kerala	76	79	78
Tamil Nadu	35	35	88
East & North-East Plains			
Assam	70	71	91
Bihar	62	62	91
Orissa	63	64	95
West Bengal	55	56	94
North-East Hills			
Arunachal Pradesh	81	81	63
Manipur	85	85	79
Meghalaya	90	90	88
Mizoram	87	87	96
Nagaland	93	93	80
Sikkim	69	69	87
Tripura	43	44	76
India	**61**	**61**	**93**

Note: AFMC stands for the area under five major crops as described in para 4.2.5.

4.3 Distributions of field-crop cultivator households and cultivated area by ownership holding of land

4.3.1 A characteristic feature of the Indian agricultural sector is the high inequality in the distribution of land and material assets. The persistent nature of the unequal distribution of land is borne out by the results of the decennial Land and Livestock Holdings Surveys of the NSSO as well as the quinquennial Agricultural Census organised by the Ministry of Agriculture. The results of the present survey too reflect this feature of the agrarian structure.

4.3.2 In Part II, a classification of households based on eight size classes of household ownership holding of land has been used for the tables presenting survey results by ownership of land. Here, in order to explore the determining role of farm size in adoption of improved techniques of cultivation in different States, the eight size classes are merged into five broader size-groups along the lines adopted in the Agricultural Census of India. The five size groups are follows :

category		ownership of land
marginal	:	less than 1.01 ha
small	:	1.01 - 2.00 ha
semi-medium	:	2.01 - 4.00 ha
medium	:	4.01 - 10.00 ha
large	:	larger than 10.00 ha

The size groups will hence for the be called *categories* of ownership holdings.

4.3.3 Statement 4 gives percentage distribution of the field-crop cultivator (FCC) households and of the AFMC by size class of ownership holding. The statement clearly reveals a highly uneven distribution of the AFMC – a close approximation of gross cropped area during the agricultural year 1997-98 – among the FCC households of India. In fact, the inequality must have been more acute than what the statement reflects. Owing to reasons mentioned earlier, the collection of data on cultivation was restricted to five most important crops reported by a household in the sample. Thus, the area under five major crops should necessarily be less than the gross cropped area under the field-crops cultivated by the household, particularly when the number of field crops cultivated exceeded five.

4.3.4 This limitation notwithstanding, the estimates given in statement 4 reflect the degree of inequality in cultivated area. It is seen that while about 40% of the bottom FCC households had cultivated only about 10% of the total are under five major crops, the top 7% of the FCC households had a share exceeding 31%.

4.3.5 Another important feature of Indian agriculture revealed by statement 4 is the predominance of marginal farmers. About 62% of the FCC households, it is seen, belonged to the marginal category, owning one hectare or less of land. Together with the FCC households in the 'small' category, they constituted over four-fifths of the total FCC households, and their combined share in the AFMC was just about 45%. At the other end less than 1% of the FCC households belonged to the category 'large', but their share in the area was more than 8%.

Statement 4: Percentage distribution of FCC households and of the AFMC by size class of ownership holding

India

size-class (ha)	percentage distribution of		cumulative percentage distribution of	
	FCC households	AFMC	FCC households	AFMC
nil (< 0.01)	1.3	0.8	1.3	0.8
0.01 - 0.20	15.0	1.9	16.3	2.7
0.21 - 0.50	23.3	7.2	39.6	9.9
0.51 - 1.00	22.0	13.4	61.6	23.3
1.01 - 2.00	19.8	21.6	81.4	44.9
2.01 - 2.00	11.9	23.9	93.3	68.8
4.01 - 10.00	5.8	22.9	99.1	91.7
10.01 & above	0.9	8.3	100.0	100.0
all sizes	**100.0**	**100.0**	-	-

4.3.6 Statement 5 gives the percentage distribution of FCC households and the percentage of area under 5 major crops in different categories of holdings for different States. Besides the predominant proportion of marginal farmers, the general feature that emerges from the table is that the distribution of AFMC is highly unequal in all the States.

4.3.7 High percentages of marginal farmers are a common feature of most of the Indian States. As a result a growing pressures of population on the limited land base, the percentage of farmers in this category has swelled progressively over the years. Now, apart from the North-Himalayan States and most of the North-East hill States, where the holdings are small for topographical reasons, the percentage of marginal farmers exceeded 70 in all the three States of the East, in Kerala & Tamil Nadu in the South and Uttar Pradesh in the north. In fact, as statement 5 shows it to be as high as 92 in Kerala and 85 in West Bengal.

4.3.8 The two agriculturally developed States of Punjab and Haryana in the North stand out as exceptions in respect of percentage of marginal as well as large farmers. In these two States, while the percentage of FCC households in the 'marginal' category was much lower than most of the other States, the percentages of 'large' farmers were among the highest three. Only in Rajasthan, was the percentage of AFMC accounted for large farmers higher than in Punjab and Haryana.

4.3.9 In many States, the percentage of FCC households. in the 'large' category being negligible, the number of such households in the sample was less than adequate for estimating parameters relating to the use of improved techniques by them. Statement 6 gives the sample size by category of holding for each State separately. The estimate for any category of holding for a State based on a sample of fewer than 25 households is excluded from the discussion on cultivating practices that follows.

Statement 5: Percentage distribution of AFMC and FCC households by size category of ownership holding

state	estimate	marginal	small	semi-medium	medium	large	all sizes
Himachal Pradesh	H	78	15	6	1	0	100
	R	49	26	17	6	1	100
Jammu & Kashmir	H	81	14	5	1	0	100
	R	51	27	18	5	0	100
Haryana	H	38	26	21	14	2	100
	R	15	18	25	30	11	100
Punjab	H	31	29	22	16	4	100
	R	8	17	24	33	18	100
Uttar Pradesh	H	71	17	8	3	0	100
	R	35	25	22	15	2	100
Gujarat	H	47	21	18	12	2	100
	R	15	17	26	33	10	100
Rajasthan	H	38	22	20	16	4	100
	R	11	13	22	34	19	100
Madhya Pradesh	H	36	28	24	11	1	100
	R	10	20	31	30	9	100
Maharashtra	H	42	27	19	11	2	100
	R	13	21	27	30	10	100
Andhra Pradesh	H	59	21	13	7	1	100
	R	24	21	23	23	8	100
Karnataka	H	45	28	16	10	2	100
	R	14	23	24	28	12	100
Kerala	H	92	6	1	1	0	100
	R	56	22	11	8	4	100
Tamil Nadu	H	72	18	8	3	0	100
	R	38	27	20	14	2	100
Assam	H	59	28	10	2	0	100
	R	28	36	26	10	0	100
Bihar	H	73	17	7	3	0	100
	R	35	25	21	13	6	100
Orissa	H	73	18	7	2	0	100
	R	39	27	20	9	4	100
West Bengal	H	85	11	4	0	0	100
	R	58	25	15	3	0	100
Arunachal Pradesh	H	53	22	13	12	1	100
	R	26	23	24	22	5	100
Manipur	H	80	17	4	1	0	100
	R	61	26	11	2	0	100
Meghalaya	H	64	20	14	3	0	100
	R	34	25	30	12	0	100
Mizoram	H	87	11	2	1	0	100
	R	80	14	5	1	0	100
Nagaland	H	19	24	41	16	1	100
	R	5	14	37	41	4	100
Sikkim	H	78	15	7	1	0	100
	R	50	26	20	3	1	100
Tripura	H	88	9	3	0	0	100
	R	65	23	10	2	0	100
India	**H**	**62**	**20**	**12**	**6**	**1**	**100**
	R	**23**	**22**	**24**	**23**	**8**	**100**

Note: 'H' statnds for percentage of FCC housheolds and 'R' stands for percentage of AFMC.

Statement 6: Distribution of sample households by size-category of ownership holding

state	size-category of ownwership holding					
	marginal	small	semi-medium	medium	large	all
Andhra Pradesh	1461	499	347	164	25	2496
Arunachal Pradesh	293	125	90	86	8	602
Assam	1405	582	205	42	0	2234
Bihar	3422	781	331	111	14	4659
Gujarat	742	338	282	200	30	1592
Haryana	207	138	116	77	13	551
Himachal Pradesh	1284	241	99	22	7	1653
Jammu & Kashmir	1192	242	84	17	0	1535
Karnataka	911	522	308	184	28	1953
Kerala	2025	116	29	10	2	2182
Madhya Pradesh	1473	1108	954	434	62	4031
Maharashtra	1153	739	527	287	40	2746
Manipur	567	140	34	6	0	747
Meghalaya	562	193	136	29	0	920
Mizoram	427	54	16	3	0	500
Nagaland	151	177	356	136	8	828
Orissa	1556	378	146	32	3	2115
Punjab	273	254	190	133	33	883
Rajasthan	989	583	539	451	124	2686
Sikkim	539	92	42	4	1	678
Tamil Nadu	1385	321	136	42	3	1887
Tripura	439	40	16	2	0	497
Uttar Pradesh	5207	1205	606	226	19	7263
West Bengal	2467	302	97	9	1	2876
India	30354	9215	5712	2716	422	48419

4.4 Crop Composition

4.4.1 Crop diversification forms an important component of the strategy of agricultural development, adopted in the 8th Plan, for improving the economic conditions of small and marginal farmers. While primary information on area under principal crops is regularly published by the Ministry of Agriculture, there are hardly any data on crop-diversification by size of farm or on number of crops raised by a cultivator in an agricultural year. The present enquiry provides some basic data essential for appraising the level of crop diversification as a part of present cultivation practices. The present enquiry was, however, designed to collect detailed information on field crops raised by a farmer-household during the agricultural year 1997-98. For item purpose, crops reported by a farmer were recorded in codes using a classification of twelve broad crop-groups, viz.:

1. Paddy
2. Wheat
3. Other Cereals
4. Pulses
5. Oilseeds
6. Mixed crops

7. Sugar Cane 8. Vegetables
9. Fodder 10. Fruits & nuts
11. Other cash-crops 12. Others

4.4.2 If a crop was raised more than once in different seasons of the agricultural year, crop during each season was considered a separate crop, while the same crop grown during a particular season, even if on more than one plot, was treated as single crop. However, although the data collection was restricted to a maximum of five major crops raised by a sample household the estimates based on them, covering about 93% of the GCA (see Statement 3), are expected to provide a fair idea of crop diversification in farms of various sizes. The *kharif* and *rabi* paddy are taken as a separate crops, since raising of *rabi* paddy, by itself, is a sign of diversification.

Statement 7: Crop-groupwise percentage of FCC households and AFMC

India

crop group	crop-groupwise percentage of	
	FCC hhs	AFMC cultivating
Paddy : *kharif*	57	25
: *rabi*	7	3
: total	-	28
Wheat	44	21
other cereals	34	16
total cereals	-	*64*
Pulses	25	8
total foodgrains	-	72
Oilseeds	18	9
mixed crop	7	4
sugar cane	6	2
Vegetables	16	2
Fodder	12	2
fruits & nuts	5	1
other cash crops	12	7
Others	4	1
all crops	-	***100***

4.4.3 Based on the data on five major crops reported by the sample households, the percentage distribution of the AFMC by crop-group and number of households cultivating a crop in the crop-group FCC household are given in statement 7. It may be observed that

(1) 72% of the AFMC was under foodgrains alone, with the cereal crop-groups accounting for 64%.

(2) *Kharif* paddy and wheat were sown in 25% and 21% of the AFMC, respectively, while other cereals covered 16%. Percentage share of *rabi* paddy was, however, low (3%).

(3) Among other crops, pulses and oilseeds covered 8% and 9% of AFMC, respectively.

(4) About 57%, 44% and 34% of FCC households reported cultivation of *kharif* paddy, wheat and 'other cereals',

respectively, indicating that quite a sizeable percentage of FCC households were engaged in cereal production. As for the other crop-groups, about 25% of the FCC households reported cultivation of pulses, 18% cultivation of reported oilseeds and 16% reported cultivation of vegetables.

Statement 8: Percentage distribution of AFMC by crop-group

India

size class (ha)	paddy kharif	paddy rabi	wheat	other cereals	pulses	food grains	oil seeds	mixed crop	sugar cane	vege-tables	fod-der	fruits & nuts	other cash crop	other	total
nil (<0.01)	41	4	13	14	6	79	6	2	1	7	2	1	2	1	100
0.01 - 0.20	35	4	24	9	4	77	3	2	1	5	2	3	7	1	100
0.21 - 0.50	37	5	23	13	5	82	4	2	1	3	2	1	4	1	100
0.51 - 1.00	35	4	21	13	6	79	5	2	2	3	2	1	4	1	100
1.01 - 2.00	29	3	21	15	7	75	8	3	2	2	2	1	5	1	100
2.01 - 4.00	24	2	21	17	8	72	10	3	3	2	2	1	6	1	100
4.01 - 10.00	16	2	20	19	10	66	12	5	2	1	3	1	9	2	100
10.01 & above	12	0	19	20	11	62	15	4	1	1	3	1	12	1	100
all classes	**25**	**3**	**21**	**16**	**8**	**72**	**9**	**4**	**2**	**2**	**2**	**1**	**7**	**1**	**100**

4.4.4 Statement 8 gives the percentage distribution of AFMC by crop-group separately for each size-class of ownership holding. The table reveals the following features of crop cultivation in farms of varying sizes:

1. In all size classes, foodgrains have a predominant share (60% or more) in AFMC.

2. The higher the size-class the lower had the percentage of AFMC under foodgrains – a phenomenon found to be generally true, leaving apart only the 'virtually landless' class of "0.01 ha or less". *kharif* paddy and wheat together played a determining role in this respect, particularly for their dominant share in the AFMC under foodgrains.

3. Contrary to the pattern observed for foodgrains, pulses were cultivated by larger percentages of FCC households in the higher size-classes. For "other cereals' and oilseeds, the statement reveals similar patterns. However, for all these crop-groups, the percentages of AFMC in 'virtually landless' class did not conform to these patterns.

Statement 9: Percentage of FCC households reporting cultivation of crops in different crop-groups for each size-class

size class (ha)	paddy *kharif*	paddy *rabi*	wheat	other cereals	pulses	oil seeds	mixed crop	sugar cane	vege-tables	fodder	fruits & nuts	other cash	other
nil (<0.01)	69	8	25	26	13	7	6	2	30	4	5	4	4
0.01 - 0.20	54	7	36	16	8	6	4	1	18	3	13	10	5
0.21 - 0.50	65	9	44	28	19	12	4	4	14	7	4	7	3
0.51 - 1.00	63	9	44	32	25	16	6	7	17	11	4	10	4
1.01 - 2.00	56	7	46	40	31	23	8	8	16	15	3	14	4
2.01 - 4.00	48	6	49	48	37	31	10	9	15	19	3	17	5
4.01 - 10.00	35	4	50	56	43	38	14	9	10	24	3	26	6
10.01 & above	29	2	49	68	48	47	13	6	11	32	6	35	8
all sizes	57	7	44	34	25	18	7	6	16	12	5	12	4

4.4.5 Cultivation of crops in different size-classes of holding: The percentages of FCC households cultivating crops in different crop-groups are shown in statement 9 for each size-class of holding. The following features of the statement deserve to be noted:

1. Cereal crops were cultivated by a large percentage of FCC households, irrespective of the size-class of holding.
2. The higher the size of holding, the higher was the percentage of FCC households cultivating wheat, 'other cereals', pulses, oilseeds, 'mixed crop', sugarcane, 'fodder' 'other cash crops' and 'other crops,' except for the 'nil' class in a few cases . However, for both *kharif* paddy and *rabi* paddy, the pattern was the opposite, i.e., the higher the size-class the lower was the percentage of FCC households cultivating paddy.
3. There was no strong evidence of any clear association between the size-class and the percentage of FCC households growing vegetables and 'fruits & nuts'.

Statement 10: Average number of crops (ACG) cultivated by a FCC household

	India
size class (ha)	ACG
nil (< 0.01)	2.03
0.01 - 0.20	1.80
0.21 - 0.50	2.20
0.51 - 1.00	2.48
1.01 - 2.00	2.70
2.01 - 4.00	2.97
4.01 - 10.00	3.19
10.01 & above	3.53
all sizes	**2.12**

4.4.6 Average number of crops cultivated: Statement 10 gives average number of crop groups (ACG) cultivated by a FCC household for each size-class of holding during the agricultural year 1997-98. The estimates of ACG show an increase with a rise in size of holdings with the exception of the 'nil' class. As noted earlier, the estimate for the 'nil' class are not as robust as those for the other classes, as they are based on a much smaller sample size as compared to the other size classes. [Part- II Table 10.]

4.4.7: Inter-State variation in crop composition: State-level variation in crop composition is shown in statement 11. The table reveals:

1. Foodgrains production accounted for 50% or more in AFMC in all States, except for Kerala and Gujarat. In Kerala, about 44% of the AFMC was under 'other cash crops' and over 17% under 'fruits & nuts' whereas foodgrains covered only 22%. In Gujarat, foodgrain covered 48%, oilseeds 18% and 'other cash crop' 19%.
2. All the States of the east and the north-east plains had a relatively high percentages of AFMC under foodgrain crops. In fact, Orissa (96%) and Bihar (92%) were the two States with highest shares under foodgrains. In all the other States of this region, the percentage of AFMC under foodgrains was well above that at national the level. Assam, West Bengal and some N-E hill States showed significant proportions of AFMC under *rabi* paddy, which is also observed for Tamil Nadu.

4.4.8 Inter-State variation in share of foodgrains in AFMC & size of holdings: The percentage of AFMC by category of holdings for all the States and for all India is shown in statement 12. The following observations emerge from the statement :

1. The north-western States, viz. Gujarat &

Rajasthan, reveal a strong negative association between percentage of AFMC under foodgrains and size-class – the decline being much sharper in Gujarat than in Rajasthan. In fact, the declining trend is the sharpest in Gujarat among all the States. For the States like Madhya Pradesh, Maharashtra, Andhra Pradesh also show such a declining trend.

2. For States of the northern region, viz. Punjab, Haryana and Uttar Pradesh, no definite pattern is visible in the percentage of AFMC under foodgrains against different size classes. For Punjab and Haryana, in particular, a rising pattern is observed for marginal, small and semi-medium categories, which slopes downward for medium and large categories. For Uttar Pradesh, the pattern observed is different from that observed for Punjab and Haryana.

3. In the States of the east and north-east plains, the percentage of AFMC under foodgrains steadily increases with the holding size.

Statement 11:Percentage distribution of AFMC by crop group for each state

size class (ha)	paddy kharif	paddy rabi	wheat	other cereals	pul-ses	**food grains**	oil seeds	mixed crop	sugar cane	vege-tables	fod-der	fruits & nuts	other cash crop	other	all crops
North Himalayan															
Himachal Pr.	8	0	42	34	2	**85**	1	0	0	2	1	5	4	1	100
J & K	29	1	27	13	3	**72**	9	0	0	6	5	7	1	2	100
North															
Haryana	19	0	38	9	5	**71**	7	0	1	1	9	0	6	4	100
Punjab	28	1	44	2	0	**75**	0	0	0	1	10	0	13	1	100
Uttar Pradesh	24	1	38	11	8	**81**	3	2	6	2	4	0	1	1	100
North-West															
Gujarat	8	1	12	22	5	**48**	18	6	3	2	4	1	19	1	100
Rajasthan	1	0	20	33	12	**66**	12	8	0	0	3	0	7	3	100
West & Central															
Madhya Pr.	24	1	26	10	11	**71**	19	4	0	1	1	0	3	1	100
Maharashtra	10	0	7	38	10	**65**	6	4	3	2	1	2	17	1	100
South															
Andhra Pr.	31	10	0	11	9	**60**	16	5	2	1	1	2	10	2	100
Karnataka	10	2	2	38	12	**64**	15	6	2	2	1	2	8	1	100
Kerala	14	5	0	2	0	**22**	5	5	0	3	0	17	44	4	100
Tamil Nadu	28	17	0	15	6	**66**	7	2	5	3	1	5	9	3	100
East & North-East Plains															
Assam	60	13	3	1	4	**81**	2	0	1	12	0	0	0	3	100
Bihar	49	1	29	6	7	**92**	2	1	1	2	0	0	1	0	100
Orissa	80	3	0	3	9	**96**	1	0	0	2	0	0	1	0	100
West Bengal	56	15	6	1	1	**79**	4	0	0	8	0	1	8	2	100
North-East Hills															
Arunachal Pr.	50	10	3	10	2	**75**	1	11	0	7	0	1	3	3	100
Manipur	67	18	0	1	1	**87**	0	3	0	7	0	0	0	2	100
Meghalaya	41	3	0	5	0	**50**	0	7	0	28	0	7	3	4	100
Mizoram	43	6	0	2	3	**54**	0	25	1	9	0	2	6	4	100
Nagaland	45	17	0	7	2	**71**	1	7	0	12	0	0	5	5	100
Sikkim	14	1	2	43	2	**62**	1	0	0	15	3	1	18	1	100
Tripura	54	29	4	0	0	**87**	0	0	0	12	0	1	0	0	100
India	**25**	**3**	**21**	**16**	**8**	**72**	**9**	**4**	**2**	**2**	**2**	**1**	**7**	**1**	**100**

3. In the States of the east and north-east plains, the percentage of AFMC under foodgrains steadily increases with the holding size.

Statement 12: Percentage of AFMC under foodgrains by category of holdings

state	marginal	small	semi-medium	Medium	large	all sizes
North Himalayan						
Himachal Pradesh	88	82	83	*	*	85
Jammu & Kashmir	63	78	84	*	-	72
North						
Haryana	68	70	74	70	*	71
Punjab	70	73	78	74	73	74
Uttar Pradesh	85	80	77	77	*	80
North-West						
Gujarat	72	62	51	33	25	48
Rajasthan	74	68	67	63	63	66
West & Central						
Madhya Pradesh	78	75	71	69	61	71
Maharashtra	73	68	68	60	54	65
South						
Andhra Pradesh	72	66	57	54	35	60
Karnataka	68	63	65	62	60	64
Kerala	22	16	31	*	*	22
Tamil Nadu	69	65	60	70	*	66
East & North-East Plains						
Assam	76	83	84	83	-	81
Bihar	92	93	92	91	*	92
Orissa	96	95	98	99	*	96
West Bengal	78	79	82	*	*	78
North-East Hills						
Arunachal Pradesh	69	74	79	71	*	74
Manipur	84	89	92	86	-	86
Meghalaya	47	48	48	67	-	50
Mizoram	54	44	56	*	-	54
Nagaland	73	77	82	59	*	71
Sikkim	65	60	51	69	*	62
Tripura	86	89	85	*	-	87
India	**80**	**75**	**72**	**66**	**62**	**72**

Note: The '*' mark given in cell in case the number of FCC households in the sample falls below 25.

4.5 Use of Improved Seeds

4.5.1 The technological breakthrough in Indian agriculture initiated by the introduction of the short-duration HYV of food grains, especially rice and wheat, in the 1960s was restricted to certain areas of the country for more than a decade. Moreover, apart from wheat, rice, and some improved varieties of hybrid maize, there was hardly any improved variety of seeds for other crops till the 1980s. Since then, the use of improved seeds has progressed at a fairly rapid pace covering a large part of the country as well as for a larger number of crops. But the available data on spread of improved seeds have so far been limited to HYV rice, *jowar, bajra,* maize, wheat and cotton. There are no data on the extent to which improved seeds for different crops are being used and by which section of farmers. The present survey provides some basic data on the extent and effectiveness of use of improved seeds by cultivators with varying holding sizes.

4.5.2 For each field crop cultivated by a sample household, the survey investigator inquired whether the seeds used were of an improved variety and if so, whether the entire crop or part of it was raised from improved seeds. Improved seeds bought from authorized seed farms are usually certified, while those bought from other sources are usually uncertified. The field officials were required to ascertain whether the improved seeds used were certified or uncertified, if purchased. In many cases, the farmers buy certified seeds once and to use the seeds grown out of them for some generations of cultivation. In all such cases, the improved seeds were treated as 'home-grown'. Statement 13 gives the percentage distribution of area under different crop groups by use of improved seeds. The table provides separate estimates for use of 'cultivate', 'uncertified', 'home-grown' and 'other' kinds of improved seeds.

Statement 13: Percentage distribution of area under improved seeds of crop group by type of seeds

India

crop group	percentage distribution of area under improved seeds by type of seeds					percentage of area under improved seeds	percentage share of crop in AFMC
	certi-fied	uncer-fied	home-grown	other	all types		
paddy (*kharif*)	39	15	43	4	100	51	25
paddy (*rabi*)	39	16	39	6	100	66	3
wheat	46	13	38	2	100	63	21
other cereals	61	9	28	1	100	64	16
pulses	47	11	41	2	100	47	8
oil seeds	59	12	27	2	100	59	9
mixed crop	72	5	22	1	100	51	4
sugar cane	44	14	38	4	100	61	2
vegetables	63	20	26	4	100	53	2
fodder	35	17	43	5	100	54	2
fruits & nuts	49	20	24	8	100	48	1
other cash crops	76	12	11	2	100	82	7
others	47	29	19	5	100	45	1
all crops	**52**	**13**	**33**	**2**	**100**	**59**	**100**

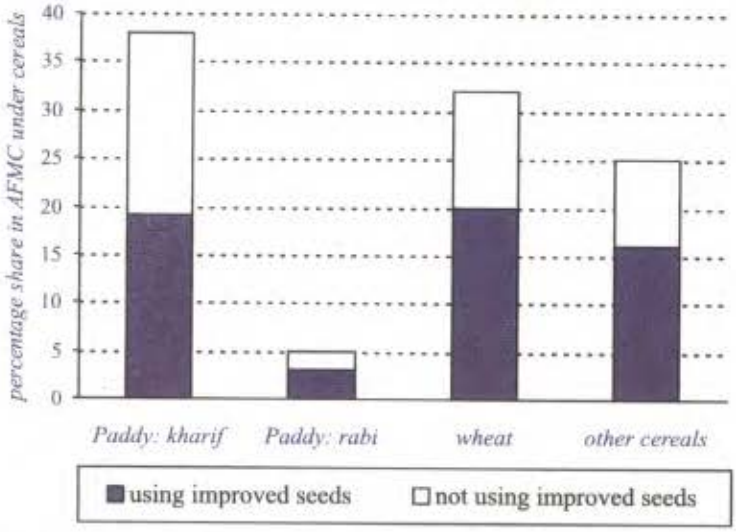
4.5.3 From statement 13, which presents the percentage of area under improved seeds and percentage distribution of area under improved seeds by type of seeds, the following points attract attention :

1. About 59% of the AFMC was cultivated with improved varieties of seeds. The range of variation between crops in area under improved seeds was small - from 47% to 66% except for 'other cash crops'.

2. Till the mid-eighties, efforts to extend the improved practices of cultivation were largely focussed on cereal crops. Thus, as expected, the percentage of AFMC under improved seeds was found to be the highest in cereal group. Except for *kharif* paddy, improved seeds were used for almost two-thirds of the area under cereal crops.

3. The share of cereal crops in the AFMC was about 65%. It is seen that *kharif* paddy had the largest share (about 38%) in the AFMC under the 'cereals' group (see Figure 2). However, as far as the use of improved seeds was concerned, *kharif* paddy showed the least percentage of area (51%) under its coverage. For *kharif* paddy, the main crop of the rain-fed agriculture of the east and north-east plains and the coastal south, the adoption of improved seeds had been less wide-spread. Besides, of the area under improved seeds, as high as 43% was cultivated with home-grown seeds, while certified seeds were used in 39% of the area.

Figure 2
Percentage share of different cereal crop-groups in AFMC under cereals



4 As for *kharif* paddy, certified seeds were used only in 46% and 39% of area under improved seeds for wheat and *rabi* paddy, respectively. For the crop group, 'other cereals', viz. *jowar, bajra*, maize, *ragi*, small millets and barley, area under certified seeds constituted 61% of the area under improved seeds.

5. Among foodgrains, the use of improved seeds was the least for pulses: only 47% of the area under pulses was cultivated with improved seeds. Moreover, a fairly large part (41%) of this area was cultivated with home-grown seeds.

6. Among the other crop-groups, oilseeds,

with a share of about 9% in the total AFMC, had about 59% of its area under improved seeds. The use of certified seed was also fairly high (59% of the area under improved seeds).

7. The group 'other cash crops' consists of cotton, jute, *mesta* and tobacco in this survey. Of these, cotton is undoubtedly the main. The rapid rise in cotton production in recent years[3] perhaps in due to increased use of improved seeds besides the incease in acreage under cotton cultivation. This is evident from relatively high shares of 'other cash crop' in total AFMC in the States like Maharashtra, Gujarat, Andhra Pradesh, Punjab, Haryana, Karnataka and Rajasthan, as reflected in statement 11. Here also, it is worth mentioning that about 76% of the area under improved seeds was cultivated with certified seeds.

Statement 14: Percentage of area under improved seeds by crop-group and size class of holding

India

size class (ha)	paddy kharif	paddy rabi	wheat	other cereals	pulses	oil seeds	fodder	others	all crops
nil (< 0.01)	27	60	54	35	31	60	45	44	38
00.01 - 00.20	45	68	47	46	22	57	59	52	47
00.21 - 00.50	48	69	51	51	37	54	50	52	50
00.51 - 01.00	49	67	54	58	40	55	51	58	53
01.01 - 02.00	49	60	59	60	44	57	53	61	55
02.01 - 04.00	50	65	65	65	45	58	58	68	60
04.01 - 10.00	58	69	71	69	51	61	57	70	65
10.01 & above	71	81	79	70	56	61	63	74	70
all	**51**	**66**	**63**	**64**	**47**	**59**	**56**	**65**	**59**

4.5.4 Use of improved seeds and size of holding: Percentage area under improved seeds by crop group is presented in statement 14. The estimates for 'all crops' clearly display a positive relationship between area under improved seeds and size of holding. Modern farming based largely on the use of HYV seeds, chemical fertilizers and pesticides, with as assured supply of water for irrigation, demands high investment which the smaller farmers cannot afford. The positive relationship between area under improved seeds and size of holding, therefore, reflects the relative advantage of the bigger farmers over the smaller ones.

4.5.5 The table also reveals that, in about two-thirds of the area under *rabi* paddy, improved variety of seeds was used uniformly across all size classes. On the other hand, area under improved seeds for *kharif* paddy increased progressively with the rise of holding size. Similar patterns were also observed for crop-groups like wheat, 'other cereals', pulses and fodder.

4.5.6 Crop-groupwise use of improved seeds: The percentage areas under improvedseeds by crop-group in different States are presented in Statement 15.

1. For *kharif* paddy, the most important single crop-group in the country by its share in the total cropped area, the use of improved seeds varies widely from 4% to 90% of the area. The major rice-growing

[3] The cotton production has risen from 9.7 mill. bales in 1991-92 to 14.3 mill. bales in 1996-97.

Source: *Agricultural Statistics at a glance, 1997*, Ministry of Agriculture

States of the south, north-west and north, each having about 20% or more of their total cropped area under *kharif* paddy, are Andhra Pradesh, Tamil Nadu, Kerala, Karnataka, Gujarat, Punjab and Haryana (see Statement 11). The use of improved seeds in all these States was found to be more extensive than in the States of the east and north-east in general. Only the state of West Bengal, in the east, came closer to these States in this respect. Madhya Pradesh, another major rice-growing state, had a very restricted use of improved seeds for cultivation of *kharif* paddy. Significantly, Manipur, Meghalaya and Tripura of the north-east hills had a moderately high percentages of area under *kharif* paddy under improved seeds.

Statement 15: Percentage of area under improved seeds by crop-group and state

state	paddy *kharif*	paddy *rabi*	wheat	other cereals	pulses	oil seeds	fodder	others	all crops
Himachal Pradesh	36	31	33	27	26	8	27	42	32
Jammu & Kashmir	69	92	72	51	60	54	63	69	66
Haryana	87	76	84	82	27	80	52	82	78
Punjab	90	51	87	54	43	73	71	79	84
Uttar Pradesh	51	64	58	44	34	47	63	52	52
Gujarat	77	79	90	86	81	71	50	95	84
Rajasthan	31	85	78	67	62	76	52	61	68
Karnataka	76	67	43	68	51	69	39	60	65
Kerala	77	72	100	23	29	14	0	28	37
Madhya Pradesh	21	69	46	51	31	52	26	49	40
Maharashtra	39	82	60	72	50	60	43	88	69
Andhra Pradesh	79	72	66	69	71	40	46	59	65
Tamil Nadu	72	70	89	64	73	71	38	64	68
Assam	41	38	80	50	25	34	40	52	43
Bihar	43	72	62	46	33	38	27	50	49
Orissa	36	55	54	38	59	33	0	60	40
West Bengal	73	72	70	81	69	68	2	71	72
Arunachal Pradesh	21	36	93	28	45	19	0	16	24
Manipur	65	66	100	58	68	4	44	35	61
Meghalaya	64	55	80	59	40	100	42	52	57
Mizoram	37	0	0	2	3	0	5	21	26
Nagaland	4	2	0	10	0	11	0	2	3
Sikkim	14	4	18	3	0	0	0	0	4
Tripura	61	66	91	0	0	0	0	58	63
India	**51**	**66**	**63**	**64**	**47**	**59**	**56**	**65**	**59**

Note: The '*' mark given in cell in case the number of FCC households in the sample falls below 25.

2. The States of Andhra Pradesh, Tamil Nadu, Assam, West Bengal, Arunachal Pradesh, Manipur, Nagaland and Tripura, each of which had about 10% or more of its area under *rabi* paddy (see Statement 11), had more than 60% of their area under improved seeds Assam (38%), Arunacahal Pradesh (36%), and Nagaland (2%).

3. All the States of the north, north-west, east and north-east plains, Jammu & Kashmir and Arunachal Pradesh had quite

high percentages of areas under improved wheat seeds.

4. The crop-group 'other cereals' is important for both the north-Himalayan States, Uttar Pradesh, all the States of the north-west, the south (except Kerala), the west and central India. Sikkim was the only State in the north-east reporting high percentage(43%) of its AFMC under 'other cereal' (see Statement 11). Use of improved seeds for cultivating 'other cereals', which was very low in Himachal Pradesh and Sikkim, and low in Jammu & Kashmir, Uttar Pradesh and Madhya Pradesh, was found to vary within a small range of 64% in Tamil Nadu to 86% in Gujarat.

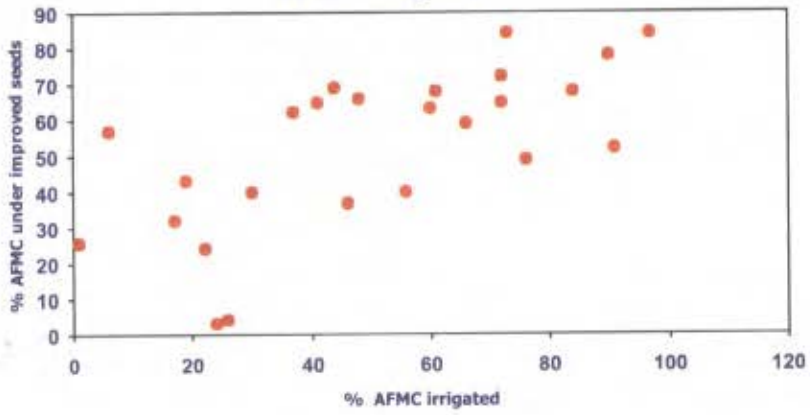
5. Among the major pulse-producing States like Uttar Pradesh, Rajasthan, Karnataka, Madhya Pradesh, Maharashtra, Andhra Pradesh and Orissa, the percentage of area under improved seeds was relatively low in Uttar Pradesh and Madhya Pradesh, whereas in Andhra Pradesh, it was quite extensive.

6. Gujarat, Rajasthan, Karnataka, Madhya Pradesh and Andhra Pradesh were the only States having 10% of total cropped area under 'oilseeds'(see Statement 11). Among these States, the percentage of area under improved seeds varied from 40% in Andhra Pradesh to 76% in Rajasthan. It was also high in Gujarat. Significantly, though only 7% of the AFMC in Haryana and Tamil Nadu was under 'oilseeds', the use of improved varieties of seeds was found to be very high in these two States. In fact, the percentage (80%) was the highest in Haryana.

4.6 Use of Inputs for Modern Cultivation

4.6.1 The strategy adopted in the Fourth Plan to combat the prevalent food crisis was based on an extensive use of HYV seeds and a package of improved practices, including application of chemical fertilisers and pesticides. This has resulted in a rapid growth in foodgrain production during the last three decades. Today, improved cultivation practices are followed for a wide variety of crops over a large part of the country. But, while use of fertilisers and pesticides has played a vital role in agricultural growth, it has also raised issues of grave concern to the environmentalists and social scientists. Besides their impact on production, little is known of their effect on

Figure 3
Statewise percentage of AFMC cultivated with improved seeds and AFMC irrigated



the other spheres. The data required to assess the extent of their use are either not available or scanty. The annual data on aggregate consumption of fertilisers, pesticides, weedicides and high quality seeds that are available do not reflect the extent of their use for different crops or by different sections of farmers. The present survey attempts to generate estimates of certain basic parameters relating to the use of these inputs.

4.6.2 In the present survey, some categorical data on the use of these inputs were collected for each of the major crops (a maximum of five) reported by a sample household. The estimates presented in this issue being based on these data do not represent rates like quantity per unit area, etc.. They simply indicate broad features of their use, like proportions of area on which fertilisers, pesticides and weedicides were used entirely or partly or were not at all.

Statement 16: Percentages of area under a crop group reporting use of improved seeds, chemical fertilisers, manure, weedicides and pesticides

India

crop	improved seeds	fertilisers	manure	either or both*	weedicides	pesticides
paddy (*kharif*)	51	83	77	94	26	52
paddy (*rabi*)	66	89	73	94	35	74
wheat	63	93	72	98	28	44
other cereals	64	71	79	91	14	32
pulses	47	65	67	84	12	39
oil seeds	59	82	71	93	23	52
mixed crop	51	60	67	81	31	38
sugar cane	61	96	86	99	30	51
vegetables	59	77	76	92	21	59
fodder	56	73	67	86	16	29
fruits & nuts	48	71	73	84	23	56
other cash crops	82	91	78	97	24	76
others	45	66	59	74	24	41
all crops	**59**	**81**	**74**	**93**	**22**	**47**

* "either or both' means 'either of manures and fertilisers or both'

4.6.3 For modern cultivation, it is necessary to test the soil of cultivation fields so that appropriate manures and/or fertilisers could be used. But at national level, only 3.4% of cultivator households reported that they have tested soil of their fields in a soil testing laboratory. Again, half of the households reported testing of soil have followed the recommendations of the testing. [See Part II Table (11).] Thus, the extent of soil testing is quite negligible. The need for testing of soil of cultivation fields is yet to gain ground in the country.

4.6.4 Statement 16 gives the percentages of area under a crop group reported use of improved seeds, chemical fertilisers etc. The percentages shown against 'all crops', evidently, represent the percentages of AFMC. It is seen that the soil of over four-fifths of the AFMC was treated with fertilisers and about three-fourths with manure. Either fertilisers or manure were applied on 93%, pesticides on about half and weedicides on almost a fourth of the AFMC. It is evident from the percentages of area

under improved seeds (59%) and area treated with chemical fertilisers (81%) that use of chemical fertilisers was not restricted to crops raised from improved seeds alone. The estimates indicate that there was at least 22% of the cropped area on which the traditional variety of crops was raised with use of fertilisers. In other words, of the cropped area sown with the traditional variety (41%), at least over half was treated with fertilisers.

4.6.5 This appears to be true not only in aggregate but also for each individual crop-group, as the percentage of area treated with fertilisers invariably exceeds that under improved seeds. This phenomenon is most pronounced for the crop-groups sugar cane, wheat and 'other cash crops'. It is seen that fertilisers were used on the area under each of them irrespective of the variety of seeds used.

4.6.6 With the growing awareness of the adverse effects of chemical fertilisers, the need for greater use of organic manures to substitute chemical fertilisers has been recognised in recent years. The estimates given in the table reflect the present practice of nutrient management by the farmers. It is seen that, in general, chemical fertilisers were used more extensively than organic manures. The difference between the percentages of area treated with chemical fertilisers and organic manures was most pronounced for the crop-groups wheat, *rabi* paddy and 'other cash crops'. Perceptibly wider use of manure than fertilisers was found only for the crop-groups 'mixed crop' and 'other cereals'.

4.6.7 The percentages of area under crops on which pesticides were applied reflect a fair degree of dependence of the improved varieties of crops on pesticides. However, the use of pesticides is found to have been, in general, less extensive than the use of improved seeds, with *rabi* paddy standing out as a clear exception. For *rabi* paddy, it appears, the use of pesticides was not restricted only to improved varieties.

4.6.8 As distinct from pesticides, which are applied to ward off pests and plant diseases, weedicides are used to suppress weeds that use up the nutrients from the soil leaving the crop undernourished. Moreover, unlike the use of pesticides, the use of weedicides replaces the weeding operations dependent on human labour. The most extensive use of weedicides was found in the cultivation of *rabi* paddy. Statement 16 shows that 35% of the area under *rabi* paddy was treated with weedicides and herbicides. The use of weedicides was also found to be as high for the crop-groups 'mixed crops' and sugarcane. Among the crop-groups with relatively high shares in AFMC, viz. the cereal crop-groups other than *rabi* paddy, pulses and oilseeds, weedicides were most widely used for wheat cultivation, followed by cultivation of *kharif* paddy. For the crop-groups 'other cereals' and pulses, weedicides were used in a small percentage of area under them.

4.6.9 Spread of modern farming. Statement 17 presents state-specific percentages of area under five major crops reporting the use of improved seeds, chemical fertilisers, etc.

1. The estimates corroborate the widely held view that the progress of adoption of improved technology in agriculture has been uneven in different parts of the country. The statement indicates that the States of Punjab and Haryana in the north and Gujarat in the north-west have progressed better than the rest of the country in this respect. At the other end, all the States of the east and north-east, except West Bengal, Tripura and Bihar, are lagging far behind.

Statement 17: Percentage of area under five major crops in different States reporting use of improved seeds, chemical fertilisers, manure, weedicides, pesticides and irrigation

State	improved seeds	fertilisers	manure	either or both*	weedicides	pesticides	irrigation
North Himalayan							
Himachal Pradesh	32	77	98	100	8	15	17
Jammu & Kashmir	66	92	86	99	21	32	48
North							
Haryana	78	89	53	92	61	59	90
Punjab	84	99	69	100	79	88	97
Uttar Pradesh	52	92	74	97	17	28	91
North West							
Gujarat	84	95	93	99	31	76	73
Rajasthan	68	61	76	88	10	26	61
West & Central							
Madhya Pradesh	40	73	69	89	20	38	56
Maharashtra	69	79	72	91	13	49	44
South							
Andhra Pradesh	65	94	86	97	22	82	72
Karnataka	65	82	83	95	23	55	41
Kerala	37	67	72	86	14	38	46
Tamil Nadu	68	88	84	95	51	84	84
East & North-East Plains							
Assam	43	48	54	68	13	30	19
Bihar	49	84	66	93	18	48	76
Orissa	40	65	88	92	15	35	30
West Bengal	72	94	73	97	26	84	72
North East Hills							
Arunachal Pradesh	24	16	12	23	4	27	22
Manipur	62	58	50	71	21	60	37
Meghalaya	57	18	36	45	10	26	6
Mizoram	26	3	3	5	0	2	1
Nagaland	3	6	55	57	34	18	24
Sikkim	4	22	85	86	1	4	26
Tripura	63	70	84	90	54	70	60
India	**59**	**81**	**74**	**93**	**22**	**47**	**66**

Note: * 'either or both' means 'either of manures and fertilisers or both'

2. Punjab and Haryana demonstrated a close association between the use of improved practices and the development of modern irrigation system. The use of seeds, fertilisers, weedicides, pesticides and irrigation facilities were all very high or moderately high. In Uttar Pradesh, the other State of this region, the level of adoption was as high, in terms of the percentages of AFMC reporting use of these inputs, but for some of the inputs, the percentages were clearly lower than even the national average.

3. In the north-west, the adoption of improved technology in Gujarat resembled closely that in Punjab and Haryana, while Rajasthan's performance was not really impressive.

4. The southern States, except Kerala, are characterised by a moderately high use of improved seeds, and a moderate to high use of pesticides and irrigation.

5. Maharashtra and Madhya Pradesh have shown close resemblance in the use of these inputs, except that improved seeds were more extensively used in Maharashtra. In all other respects, these two States appeared to fall below the national average.

6. Wider use of fertilisers than manures, indicated by the difference in percentages of AFMC reporting their use, was observed to be the most pronounced in the three States of the north and the States of Bihar and West Bengal in the East. In contrast, manure was used more extensively than fertilisres in Orissa and Rajasthan.

7. The AFMC under irrigation seemed to have a bearing on the area under improved seeds almost in all the States. The more (less) the percentage of AFMC under irrigation, the more (less) was the percentage of AFMC under improved seeds barring a few exceptions. (See Figure 3)

4.7 Use of Irrigation

4.7.1 The close association between the spread of improved cultivation practices and the use of irrigation, which is clearly demonstrated in the preceding section, confirms the widely held view that irrigation is one of the crucial factors in the input package for cultivation based on improved seeds. Its role in fostering technological change in agriculture in Punjab, Haryana and western Uttar Pradesh during the 1960s and 1970s and in States like Tamil Nadu, Gujarat and West Bengal in more recent times, is now well recognised. This apart, irrigation plays a protective as well as productive role in traditional cultivation as well. The present survey attempts to provide an insight in to what one can broadly understand from the aggregate data on irrigation available as a part of agricultural statistics in India. It seeks to answer questions concerning issues like 'uneven spread of public irrigation facilities, particularly canals', 'relative importance of private irrigation resources in supplementing public investments', and 'dependence of farmers on irrigation services hired from privately-owned facilities in canal and non-canal areas'.

4.7.2 For each of the five major crops reported by a household, the use of irrigation was ascertained and when the response was found to be in the affirmative, it was enquired whether or not any irrigation services were hired from other households. The estimates on theuse of irrigation presented in the report are based mainly on the responses to these two questions, along with the area under the crop. In addition, a village-level item of information pertaining to availability of water from government irrigation canals has also been used for this report. It also contains estimates on ownership of irrigation facilities like dugwell, tubewell and pump sets and their

remaining idle due to low water level or lack of fuel or lack of electricity.

4.7.3 Statement 18 gives certain estimates indicating the extent of use of irrigation and availability of public and private irrigation facilities. Besides the estimates from the present surveys, the table also includes some comparable estimates obtained from other sources.

4.7.4 The estimated percentage of irrigated area in AFMC is 65% according to the present survey. But it is seen that this estimate diverges considerably from the percentage of total irrigated area to total cropped area (37%) for the agricultural year 1993-94, as given by the Ministry of Agriculture. It is indeed unacceptable that the spread of irrigation has progressed at such a pace as these two estimates suggest. One can identify the following plausible reasons for this divergence:

Statement 18: Percentage of total cropped area irrigated and availability of irrigation facilities

India

item	source	estimate
1. percentage of irrigated area in AFMC (1997-98)	NSS 54th round	66
comparable estimates :		
percentage of GCA irrigated (1993-94)	LUS*, *M/O Agriculture*	*37*
Percentage of GCA irrigated (1991-92)	*NSS 48th round (derived)*	*51*
2. percentage share of villages with Govt. canal (1997-98) in area under 5 major crops (AFMC)	NSS 54th round	26
3. Percentage of FCC households owning dugwell/tubewell	- do -	29
4. percentage of FCC households owning (1997-98)	- do -	
(i) electric pump		13
(ii) diesel pump		13
5. percentage of (all) households owning (1997-98)	- do -	
(i) electric pump		8
(ii) diesel pump		8
comparable estimates :		
number of pumps per 100 households: (1991-92)	NSS 48th round	
(i) electric		6
(ii) others		7
6. percentage of pump-owning households reporting pump sets remaining idle due to lack of fuel/electricity	NSS 54th round	
(i) electric pump		48
(ii) diesel pump		14
7. percentage of households owning dugwell/tubewell reporting well/tubewell remaining idle due to low water levels.	- do -	26

* 'LUS' stands for Land Use Statistics

(a) Over representation of irrigated area in the coverage of AFMC in the present survey seems likely. Most of the crops which were reported but not recorded owing to the restriction on the number of crops to be recorded, must have been relatively less

important. Thus it is likely that the crops grown on area not covered in AFMC were more often unirrigated than irrigated.

(b) Orchards and plantation areas were excluded from the coverage of the present enquiry as it pertains only to field-crop cultivation.

(c) The field-staff was required to record the area under a crop reported by the household as 'irrigated' even when only a part of it was actually irrigated.

4.7.5 The first two reasons can easily be ignored as the coverage of the AFMC, in the present survey, falls short the of the GCA by only about 7% [see Statement 3], which is far too small to explain the divergence. There is, however, the possibility of under-reporting of cropped area, particularly of the less important unirrigated plots, by the respondents. There are reasons to believe that the respondents tend to under-report area of land in NSSO surveys, as these are carried out through personal interviews without making any use of the official records. The GCA estimated in the present survey is found to be less than the corresponding figure of the Ministry of Agriculture for 1993-94 by about 22%.[4]

Statement 19: Estimates of LHS 1991-92 (NSS, 48th Round) used for deriving percentage of GCA irrigated in rural areas

item	India estimate
1. area operated (mha)	125.10
2. percentage of operated area:	
(a) unirrigated & cropped once	35.31
(b) unirrigated & cropped more than once	11.59
(c) irrigated & cropped once	10.93
(d) irrigated & cropped twice	22.97
(e) irrigated & cropped more than twice	1.49
3. NSA (mha) unirrigated and cropped	
(a) once	44.17
(b) more than once	14.50
4. NSA (mha) irrigated and cropped	
(a) once	13.67
(b) twice	28.74
(c) more than twice	1.86
5. GCA (mha) unirrigated (approx.) *[3(a) + twice 3(b)]*	73.17
6. GCA (mha) irrigated (approx.) *[4(a) + twice 4(b) + thrice 4(c)]*	76.73
7. GCA (approx.) *[(5) + (6)]*	149.90
8. Percentage of irrigated GCA (approx.)	51

Source : Sarvekshana Issue No. 70 (Junuary-March 1997) : *Some aspects of operational holdings.*

[4] The GCA estimates in the present survey is only about 144 mha, whereas that given by the Ministry of Agriculture is about 184 mha for 1993-94.

4.7.6 The percentage of irrigated area in the AFMC estimated in the present survey, however, compares better with the broadly comparable figure derived from the estimates of the Land and Livestock Holding Survey (LHS) of the NSS 48th round (1991-92). An approximate estimate of the percentage of GCA irrigated, derived from the survey estimates of operated area cropped with irrigation and that without irrigation of the LHS, 1991-92, is found to be about 51% [see Table T19]. But the derived estimate too suffers from the limitation that a plot irrigated once during the agricultural year has been considered to be irrigated for all the crops raised on it, for deriving the figure. Thus the figure for the percentage of irrigated GCA derived from the estimates of the LHS, 1991-92, in fact, gives an upper bound.

4.7.7 Like the derived estimate from LHS, 1991-92, the estimated percentage of irrigated AFMC obtained from the present survey can be said to be on the higher side owing to reason (c) cited in para 4.7.4. Though the elements of over-estimation embodied in the two estimates are of unknown magnitudes, the difference between them suggests a fair degree of increase in the use of irrigation during the six-year period ending 1997-98. The increasing percentage of households owning pump sets provides further evidence in its favour.

4.7.8 Item 5 of statement 18 shows that while the percentages of households owning electric pump sets and those owning diesel pump sets were both 8 in 1997-98, the number of electric pump sets and that of diesel pump sets per 100 households were 6 and 7 respectively, in 1991-92. Since a household may own more than one pump set, the number of pump sets per 100 households should be greater than the percentage of households owning pump sets at any point of time. Given the growth of population and households even in rural India between1991-92 and January- June 1998, the difference between the estimates of the two rounds indicates a marked rise in privately owned irrigation facilities during the period of 6 years and suggests a growing use of irrigation for cultivation of field crops.

4.7.9 Besides pump sets, privately owned irrigation facilities comprises all dugwells and tubewells owned by the households. It is seen that about 29% of the FCC households relied on at least one of them for irrigation.

4.7.10 The farmers with privately-owned irrigation facilities are expected to have assured supply of water for irrigation at their command. But uncertain power supply or non-availability of fuel or low ground-water level limits the use of equipment for quite some time during a year. Statement 18 shows that among the FCC households owning an electric pump set, 48% had to keep it idle for at least sometime during the 365 days preceding the date of survey. Similarly, among those who owned an oil-driven pump set, about 14% could not use it due to lack of fuel. Again, 26% of the households with a privately-owned dugwell or tubewell reported that it had remained unused for some time during last 365 days due to low ground water level.

4.7.11 About the public irrigation facilities, only the village-level information on the availability of water from government irrigation canals is used in this issue. It is seen from item 2 of statement 18 that the share of villages with a government canal in the AFMC was about 26%.

4.7.12 Inter-State variation in modern irrigation facilities: Modern capital intensive irrigation systems have emerged during the second half of the present century and have contributed significantly to agricultural growth in many parts of the country. They can be classified into two broad categories. First, the large or medium scale storage- and gravity-based distribution through a network of canals

is represented, in this report, by the availability of government canal in the village. Its maintenance and management falls in the domain of public governance. Second, the tubewell system, using pump sets for exploiting subsoil water resources, is mostly privately owned. Statement 20 shows the availability of these categories of irrigation facilities and percentage of the AFMC irrigated in different States. The villages with government irrigation canals will be referred to as "canal areas" in the rest of this section.

Statement 20:Percentage of AFMC irrigated and availability of irrigation facilities

State	irrigated AFMC	NSA in canal areas	percentage of cultivator households owning well/ Tubwell	households owning pump	
				electric	oil
North Himalayan					
Himachal Pradesh	17	3	3	1	1
Jammu & Kashmir	48	42	5	1	1
North					
Haryana	90	58	52	28	30
Punjab	97	60	73	38	51
Uttar Pradesh	91	30	23	21	5
North-West					
Gujarat	73	19	42	24	21
Rajasthan	61	16	50	24	20
West & Central					
Madhya Pradesh	56	17	28	8	20
Maharashtra	44	18	34	4	29
South					
Andhra Pradesh	72	32	36	6	30
Karnataka	41	25	23	2	19
Kerala	46	31	61	2	14
Tamil Nadu	84	31	49	15	33
East & North-East Plains					
Assam	19	3	27	3	1
Bihar	76	26	21	15	2
Orissa	30	30	8	2	1
West Bengal	72	26	19	12	1
North-East Hills					
Arunachal Pradesh	22	17	7	4	3
Manipur	37	23	11	10	4
Meghalaya	6	0	3	0	1
Mizoram	1	0	0	1	0
Nagaland	24	0	7	1	0
Sikkim	26	10	0	1	0
Tripura	60	13	19	4	2
India	**66**	**25**	**29**	**13**	**13**

4.7.13 All the three northern States reported more than 90% of their AFMC irrigated, but the available irrigation facilities, whether public or privately owned, varied considerably. In Punjab and Haryana, the two agriculturally most developed States of the country, about 60% of the NSA was in the canal areas, while the figure for Uttar Pradesh was just 30%. In respect of percentages of cultivator households owning pump sets, wells and tubewells too, the difference between Uttar Pradesh and the other two States was quite pronounced.

4.7.14 Relatively high percentages of the irrigated AFMC were observed also in two southern States, viz. Tamil Nadu(84%) and Andhra Pradesh(72%). In both these States, nearly a third of the NSA was in canal areas. In Tamil Nadu, relatively large percentages of cultivator households owned electric and oil pump sets. In the other two States of the south, percentages of irrigated AFMC as well as percentages of cultivator households owning pump sets were much lower the national average.

4.7.15 In the east, West Bengal and Bihar had moderately high percentages of irrigated AFMC while Assam and Orissa were much worse off in this respect. Significantly, the share of canal areas in the total NSA of Orissa(30%) was higher than that in West Bengal(26%) and Bihar(26%), but the percentages of households owning electric and oil pump sets in Orissa were among the lowest in the country. It appears that the cultivators of Orissa were more dependent on government canals than on privately owned facilities for irrigation. On the other hand, it appears that for the small proportion of the AFMC that was irrigated in Assam, the main source was manually operated dugwells.

4.7.16 In the north-western States of Gujarat and Rajasthan, with relatively high percentages of AFMC irrigated, the dependence was more on privately owned tubewells and pump sets than on government irrigation canals. In Maharashtra and Madhya Pradesh also, the dependence was more on privately owned facilities, though much lower percentage of the AFMC was irrigated. In general, it is seen that the use of modern irrigation systems was much less common in the other regions.

4.7.17 Hiring of irrigation services in canal and non-canal areas: There are, at present, no data reflecting the role of private investment in supplementing the public efforts in irrigating the cultivable land in the country. The data on sources of irrigation and ownership of pumps and tubewells, available from the LHSs of the NSSO as well as the Agricultural and Livestock Censuses of the Ministry of Agriculture, provide only a partial picture. A large part of the cultivated land today is irrigated by hiring services from private sources, either in the form of water purchased or pump sets taken on hire. In the present enquiry, data on hiring of irrigation services from other households were collected from all the FCC households in the sample. The estimated percentages of the AFMC irrigated by hiring services from other households are given in statement 21 separately for canal and non-canal areas of all the States. However, Meghalaya and Mizoram are omitted from the statement, as only very small parts of their AFMC was reported to have been irrigated. Again, the statement does not include separate estimates for canal and non-canal areas of Himachal Pradesh, Assam and Nagaland, as the proportion of NSA in canal areas was 3% or less in these States. These estimates are excluded from the table, because they are not expected to be stable or reliable.

Statement 21: Percentage of AFMC irrigated using services hired from other households

State	percentage of irrigated AFMC using hired services			irrigated AFMC
	canal areas	non-canal areas	All	
North Himalayan				
Himachal Pradesh	*	*	14	17
Jammu & Kashmir	3	7	5	48
North				
Haryana	40	37	39	90
Punjab	18	21	19	97
Uttar Pradesh	61	69	67	91
North-West				
Gujarat	45	35	38	73
Rajasthan	17	30	28	61
West & Central				
Madhya Pradesh	18	34	30	56
Maharashtra	10	20	18	44
South				
Andhra Pradesh	33	35	34	72
Karnataka	6	23	17	41
Kerala	7	7	7	46
Tamil Nadu	24	25	25	84
East & North-East Plains				
Assam	*	*	31	19
Bihar	60	71	69	76
Orissa	18	37	27	30
West Bengal	57	72	67	72
North-East Hills				
Arunachal Pradesh	31	7	15	22
Manipur	62	37	46	37
Nagaland	*	*	2	24
Sikkim	4	4	4	26
Tripura	23	33	33	60
India	**40**	**49**	**46**	**66**

4.7.18 It is seen that for 46% of the irrigated AFMC in the country, irrigation was hired from other households. As expected, the cultivators in the canal areas were less dependent on the hired private sources than in the non-canal areas. The percentage of the AFMC irrigated by hiring services from other households was appreciably higher in the non-canal areas (49) than in the canal areas (40).

4.7.19 The phenomenon of buying water or hiring irrigation services was most pronounced

in Bihar (69%), West Bengal (67%) and Uttar Pradesh (67%). In fact, these were the only States with the percentages of AFMC irrigated by hiring the services from other households exceeded the national average. Among these three States, the percentage was perceptibly higher in the non-canal areas than in the canal areas, the difference being the most pronounced in West Bengal. Among other States, a considerably higher percentages of AFMC irrigated by hiring services in the canal areas than in the non-canal areas were observed in Orissa, Karnataka, Rajasthan, Madhya Pradesh and Maharashtra. In contrast, the percentages were found to be higher in the canal areas of Manipur, Gujarat, Arunachal Pradesh and Haryana than in the non-canal areas.

4.8 Mechanisation in Agriculture

4.8.1 The beginning of mechanisation in Indian agriculture can be traced to the early 1960s. Since then it has progressed at a fairly rapid pace. But certain important forms of farm mechanisation are known to have remained largely concentrated in certain pockets, commonly called 'green revolution' areas. The estimates obtained from the decennial LHSs of the NSSO, which are reproduced in Statement 22[5], clearly depict the development of mechanised cultivation in terms of ownership of modern machinery like tractors, power tillers and pump sets. These estimates, indicate a rapidly rising trend in the number of modern farm equipment owned but, do not provide a good measure of their actual use. A large number of farmers hire in the services of tractors, power tillers and harvesters from those who own them. Thus, the actual use of modern farm machinery is much wider than what the data on ownership of equipment suggest. The present survey provides some data on actual use of modern farm machinery, either hired or owned. The percentage of rural households reporting use of a tractor or power tiller was 25% in the present survey. This reflects a phenomenal rise in the use of tractors and power tillers during the last three decades, since the percentage of households using tractors or power tillers estimated in the NSS 22nd Round (1967-68) was merely 1.17%.[6]

Statement 22: Estimated number of tractors, power tillers and pumps in different NSS rounds

India

farm equipment	**71-72** (26th)	**81-82** (37th)	**91-92** (48th)
tractor (000)	75	486	1,363
power tiller (000)	-	249	513
pumps – electric & oil (mill.)	5	11	16

4.8.2 For each of the five important crops cultivated by a sample household, it was enquired whether the household had used any tractor or power-tiller, and if so whether it had been taken on hire. The estimates on use of tractors and power tillers given in these reports are all based on responses to these two questions. Statement 23 gives the percentage of AFMC tilled with tractors or power tillers and indicates what part of it was taken on hire separately for each size-class of holdings. It is important to note that the estimates presented in this statement represent the percentage of the AFMC entirely or partly tilled with tractors

Note : [5]These estimates are quoted from Sarvekshana Issue No. 76 (July-September 1998) page 29, Table 17, 'Live Stock and Agricultural Implements in Household operational Holdings', NSS 48th Round, 1992.

[6]This estimate is taken from NSS Report No. 202, based on the survey on Cultivation Practices conducted in the 22nd Round of NSS with agricultural year 1967-68 as the reference period.

or power tillers. It is seen from Table (5) of Part II that about a third of the AFMC tilled with hired tractors or power tillers was actually tilled partially with machines. Of the mechanically-tilled AFMC without using hired services, partial tilling with tractor or power tiller was reported in only about 10%. Though the distinction between 'partly used' and 'entirely used' is important, only the percentages of mechanically-tilled AFMC, whether partly or entirely, are discussed in this chapter.

Statement 23 : Percentage of AFMC tilled with tractor/power tiller and use of hired tractors and power tillers

India

size-class (ha)	percentage of AFMC tilled with tractors/ power tillers			p.c. of tractor-tilled AFMC tilled with hired tractors*
	hired	others	all	
nil (< 0.01)	42	8	50	84
0.01 - 0.20	44	3	47	94
0.21 - 0.50	44	3	46	96
0.51 - 1.00	41	3	44	93
1.01 - 2.00	41	5	46	90
2.01 - 4.00	40	12	52	77
4.01 -10.00	37	26	63	59
0.01 &above	29	52	81	36
all sizes	**39**	**15**	**54**	**72**

* 'Tractors' stand for 'tractors & power tillers'

4.8.3 It is seen that about 54% of the AFMC was tilled mechanically, either with tractors or power tillers. Significantly, hired tractors and power tillers were used in about three-fourths of the mechanically-tilled AFMC. Tilling land with hired equipment was extensive in all the size-classes, including the 'large' category, with over 90% of the mechanically-tilled AFMC in the 'marginal' and 'small' holding categories. A sizeable part of the AFMC, ranging from 44% to 50%, in the 'small' and 'marginal' holdings, was mechanically tilled.

4.8.4 Inter-state variation in the use of tractors and power tillers: The percentages of AFMC tilled with tractors or power tillers and the proportion of it tilled with hired services are given in statement 24 separately for each State. It also shows the estimated number of tractors and power tillers per 10,000 households obtained from the LHS, NSS 48th Round. However, the States of Meghalaya, Mizoram, Nagaland and Sikkim are excluded from the statement, as mechanical tilling was reported on only an insignificant part of the cultivated area in these States.

Statement 24: Percentage of mechanically-tilled AFMC and use of hired tractors and power tillers

State	p.c. of tractor-tilled AFMC	p.c. of tractor-tilled AFMC tilled with hired tractors*	no. of tractors/power tillers per 10,000 ha of operated area (1992)*	
			tractor	power tiller
Himachal Pradesh	15	93	53	3
Jammu & Kashmir	36	89	27	6
Haryana	94	57	387	317
Punjab	97	34	1024	584
Uttar Pradesh	76	79	215	58
Gujarat	67	72	103	0
Rajasthan	89	79	91	10
Madhya Pradesh	36	63	73	12
Maharashtra	16	75	34	2
Andhra Pradesh	51	75	48	1
Karnataka	27	74	50	11
Kerala	15	73	3	15
Tamil Nadu	59	80	66	18
Assam	11	64	0	23
Bihar	48	75	59	25
Orissa	12	75	5	2
West Bengal	47	92	37	86
Arunachal Pradesh	9	44	3	0
Manipur	48	94	6	6
Tripura	37	76	9	18
India	**54**	**72**	**109**	**41**

Source: Sarvekshana Issue No. 76 (July-September 1998) : *Livestock and Agricultural Implements in Household Operational Holdings*, 48th Round, 1992.

4.8.5 The estimates of percentage of mechanically-tilled AFMC for different States clearly show that the mechanisation of Indian agriculture is largely concentrated in the States of the north and those of the north-west. In Punjab and Haryana, about 97% and 94% of the respective AFMCs were tilled entirely or partly with tractors and power tillers. Relatively high percentages of mechanically-tilled AFMC were also reported in all the other States of the north and north-west. In fact, only in these States were the estimates higher than the national-level estimate. Besides these States, large proportions of mechanically-tilled AFMC were reported in Tamil Nadu(59%), Andhra Pradesh(51%), Bihar(48%) and West Bengal(47%). The estimates of number of tractors and power tillers per 10,000 ha of operated area obtained from the LHS, NSS 48th Round also suggest relatively high use of modern equipment for tilling the land.

4.8.6 Statement 24 also gives the percentages of mechanically-tilled AFMC using hired tractors or power tillers. In general, the hiring of tractors and power tillers was reported in very high percentage of mechanically-tilled AFMC. Among the States with 10% or more of mechanically-tilled AFMC, it was low only in Punjab(34%) and Haryana (57%).

4.8.7 Use of machines for harvesting: The modern harvesters and harvester-combines are used for mechnical harvesting. To assess the extent to which these are used, for harvesting the crops, a question was asked to ascertain whether the harvesting for each of the five crops reported by a household was done manually or mechanically. It was also asked whether the equipment for harvesting was hired, if was done mechanically. Statement 25 gives the percentage of AFMC by mode of harvesting for all the States, except the North-Himalayan and North-Eastern Hill States. Mechanical harvesting being a rare phenomenon, in general, and the estimates for these States being based on a relatively small sample, the estimates for these States are not discussed here.

Statement 25: Percentage distribution of AFMC by mode of harvesting

State	manual	own equipment	hired equipment	all
Haryana	92	2	5	100
Punjab	59	6	35	100
Uttar Pradesh	99	1	1	100
Gujarat	95	2	3	100
Rajasthan	98	1	1	100
Madhya Pradesh	99	0	1	100
Maharashtra	91	1	8	100
Andhra Pradesh	97	1	3	100
Karnataka	76	3	21	100
Kerala	97	2	1	100
Tamil Nadu	98	0	2	100
Assam	97	2	1	100
Bihar	99	1	1	100
Orissa	99	1	1	100
West Bengal	94	2	4	100
India	**94**	**1**	**5**	**100**

4.8.8 It is seen that mechanical harvesting was reported in only 6% of the AFMC of the country. Only in 1% of the AFMC, crops were harvested using owned machines and about 5% using hired machines. What clearly emerges from the table that the use of machines for harvesting of crops is concentrated mainly in the States of Punjab and Karnataka. In all, mechanical harvesting was done in about 41% and 24% of the AFMC in Punjab and Karnataka respectively. Among the other States, appreciable proportions of mechanically-harvested AFMC were found in Maharashtra (9%), Haryana (7%) and West Bengal (6%).

A Note on Common Property Resources in India : NSS 54th Round (January 1998-June 1998)

SECTION 1

INTRODUCTION

1.1 The Issue in Perspective

1.1.1 An enquiry on common property resources (CPRs) was conducted during January to June 1998 as a part of the 54th round survey of the National Sample Survey Organisation (NSSO). The enquiry was carried out in the rural areas of the entire country through a household survey based on random sampling. Some village- level data on the extent of CPRs available to the villagers were also collected in the survey. Since early 1980s, a large number of field studies on CPRs, of varying scale, have been conducted, particularly in the arid and semi-arid areas or hill and forest fringe regions of the country. The present enquiry is the first attempt to provide comprehensive state and national-level estimates of size, utilisation and contribution of CPRs. It also provides separate estimates for agro-climatic zones.

1.1.2 Objective: Broadly speaking, common property resources include all such resources that are meant for common use of the villagers. CPRs include all resources like village pastures and grazing grounds, village forest and woodlots, protected and unclassed government forests, waste land, common threshing grounds, watershed drainage, ponds and tanks, rivers, rivulets, water reservoirs, canals and irrigation channels. In the pre British India, a very large part of the country's natural resources was freely available to the rural population. These resources were largely under the control of local communities. Gradually, with the extension of state control over these resources and the resultant decay of community management system, CPRs available to the villagers declined substantially over the years. Today, in almost all parts of the country, the villagers have a legal right of access only on some specific categories of land and water resources. Nevertheless, it is widely held that CPRs still play an important role in the life and economy of the rural population. The present enquiry aims at providing certain basic statistics on the size of CPRs, type of benefits derived from CPRs, their magnitude and the proportion of households making use of CPRs.

1.2 The Present Issue

1.2.1 This issue pertains mainly to the role of CPRs in the life and economy of the rural population and is based on data collected on the area of common property land resources, collection of different items such as fuelwood, fodder, weeds, canes, bamboo, manure and variety of edibles from the CPRs and use of CPRs for grazing and irrigation, in the 54th round of NSSO. Data collected and used in this issue can be briefly described as follows:

1. Area of common property resources in the surveyed village by type.
2. Availability and use of different types of CPR land and forest.
3. Value and quantity of fuelwood, fodder, and other items collected from CPRs by the surveyed households.
4. Availability and use of irrigation water from CPRs.

1.2.2 Layout of the issue: This issue contains six sections, including the present one in Part-I. Section 2 provides a brief discussion on the definitions and concepts used for the enquiry. Section 3 gives a fairly detailed description of the sample design and the estimation procedure used for the survey. Section 4 discusses the summary results of the survey and attempts to provide a perspective for proper interpretation of the results. Section 5 gives the details of the composition of agro-climatic zones used for tabulation of the results of the survey. Part II, which in fact, forms the main body of the issue, presents the detailed survey results on common property resources in the form of tables. Part III Contains the Hindi version of the main findings.

1.2.3 The estimates presented in the issue are based on the pooled data of the two *sub-samples* of only the *Central sample*. (See the section "Method of Data Collection" for discussion on *sub-sample* and *Central sample*). The survey results presented in the issue are mostly in the form of ratios. The basic aggregate estimates and number of households, given in the detailed tables of the Part II, generally as marginal column totals, may be used for working out rates and ratios for domains not presented in the issue.

1.3 Fifty-fourth round

1.3.1 The four main topics covered in the 54th round are:

(i) Drinking Water, Sanitation & Hygiene

(ii) Travel and Use of Mass Media and Financial Services

(iii) Cultivation Practices

(iv) Common Property Resources

In addition, the topics of household consumer expenditure and employment-unemployment were covered as usual with every round. The present issue besides cultivation practices in India contains the survey results of the enquiry on CPRs. The results of the enquiries on other topics are brought out in Sarvekshana Issue No. 82 (Special) Juanuary-March, 2000.

1.3.2 For the enquiry on common property resources, the rural areas of the entire country were covered with the exception of some interior areas of Nagaland and Andaman & Nicobar Islands and the Ladakh and Kargil districts of Jammu & Kashmir.

1.4 Method of data collection

1.4.1 The present issue is based mainly on the information on the size of common property land resources collected in Schedule 31 and data on use of CPRs and benefits accruing from them. The data were collected from a sample of households by interview method. The survey period for the 54th round was January to June 1998.

1.4.2 Reference period: The enquiry on CPRs was conducted with four different reference periods. First, all data pertaining to area of CPR land were collected with the data of survey as reference point. Next, the data on reduction of CPR land relate to period of preceding five years. For the data on use and availability of CPRs, the period of preceding 365 days was generally taken as the reference period. Lastly, for the data on collection of fuelwood and fodder from the CPRs, two different reference periods, viz. 'preceding 30 days' and 'preceding 365 days' were used.

1.4.3 Sample design: The sample design adopted for the survey was essentially a two-stage stratified design, with census villages and urban blocks as the first-stage units (FSUs) for the rural and urban areas respectively, and households as the second-stage units (SSUs). The survey period was January - June 1998. The rural and urban sample FSUs were drawn independently in the form of two sub-samples

and an equal number of FSUs was allocated to each sub-sample. (For a detailed discussion on sample design, see Section 3).

1.4.4 Sample size - first stage units: In all, 10,978 villages were planned to be surveyed in this round. Of these, 5242 were allocated to the Central sample - the part surveyed mainly by the NSSO field staff - and the rest to the State sample - the part surveyed by the State agencies. In the urban sector, the allocations for the Central and State samples were respectively 1788 and 2256 blocks. This issue, however, pertains to rural areas and is based on the data collected from the villages in the Central sample alone.

1.4.5 Sample size - second stage units: For Schedule 31, 16 households were planned to be surveyed in each selected village and 18 households in each selected UFS blocks. In all, 78,990 rural households were surveyed in the present survey.

SECTION 2

CONCEPTS AND DEFINITIONS

2.1 Household: A group of persons normally living together and taking food from a common kitchen constitute a household. The word 'normally' means that temporary visitors are excluded but temporary stay-aways are included. Thus a son or daughter residing in hostel for studies is excluded from household of his\her parents, but a resident employee or resident servant or paying guest (but just not a tenant in the house) is included in the employer\host's household. 'Living together' is usually given more importance than 'sharing food from a common kitchen' in drawing the boundaries of a household in case the two criteria are in conflict; however, in the special case of person taking food with his family but sleeping elsewhere (say, in shop or a different house) due to space shortage, the household formed by such a person's family members is taken to include the person also. Each inmate of a mess, hotel, boarding house, etc. is considered as single member household but a family living in a hotel is considered to be one household only; the same applies to residential staff of such establishments.

2.2. Common property resources (CPRs): Resources accessible to and collectively owned\held\managed by an identifiable community and on which no individual has exclusive property rights are called common property resources. Terms like "accessible", "collectively owned/held/managed", "identifiable community" and "exclusive property rights" are explained briefly below:

2.2.1 Accessible: Accessibility to a resource is determined either by legal status or by convention. If the community has a legal right of ownership or possession on the resource, it is clearly accessible to the community. Besides such legal rights, resources for which customarily accepted user rights exist are also treated as "accessible" to the community.

2.2.2 Collectively owned/held/managed: Both (a) collectively owned/held resources and (b) collectively managed though not collectively owned/held resources are considered as "Collectively owned/held/managed". The term "Collectively owned or held" presumes a legal status. Thus, a resource collectively owned or formally held (by legal sanction or official assignment) by a community is considered to be a common property resource. A resource nominally held by a community is treated as "collectively managed" only when the groups of people who have the right to its use are governed by a commonly accepted set of rules — in most cases unwritten.

2.2.4 Identifiable community: This means that co-users of the resources are a well-defined group of persons. For instance, all inhabitants of a village form an identifiable community. A large census village usually comprises a number of distinct settlements. The residents of one or more such settlements, constituting only a part of the village's population, can also form a community. Apart from these, a community may be a caste-based or religion-based or occupation-based group of people or a group constituted according to the traditional social order.

2.2.4 Exclusive property rights of an individual: Resources owned or held by an individual or a family or an organisation like a company or corporation or co-operative are not be considered as CPRs. However, a resource held by a co-operative society constituted of persons who were co-users of the resource prior to its formation, is treated as a CPR. For example, all resources of co-operative societies of co-users, such as co-operative irrigation societies, farmers' co-operatives, fishermen's co-operatives, etc. are considered as CPR for this survey. Also note that private property resources (PPRs) can be pooled and used as a common resource. In such cases pooled resources were treated as CPR for this survey.

2.3. Common village land or 'commons': These categories of CPRs refer to common property land resources within the boundary of the village and were formally (i.e. by legal sanction or official assignment) held by village *panchayat* or community of the village. Categories of common village land are described below:

- *Village panchayat grazing land/pasture land*: This is a well-defined category of land in the classification used in official land-use records. Traditionally, grazing and pasture land has been the most important constituents of CPR land. Many villages have land earmarked as permanent pasture land/grazing land. These are variously kown as *gauchar, gochar, gairan, gomol,* etc. Villagers have user right on permanent pasture by legal sanction. Village woodlots which may have come up on the grazing land/pasture land were not considered under this category.

- *Village forest & woodlot (not under Forest/Revenue Deptt.)* and *van panchayat forest*: This item includes all land under village forest and woodlots. This also includes the area notified as forest within the village which may belong to the forest department, or any other government department (like Revenue deptt. or PWD) but is formally under the management of village panchayat or a community of the village. *Van panchayat* forests in the hills of Uttar Pradesh, which are formally managed by village communities, are also included in this category.

- *Village sites and threshing floor*: They include village sites and all area of land which is earmarked for common use of the villagers for economic activities, such as (a) processing of agricultural produce, (b) storing of grains, other agricultural produce, firewood, etc., (c) use for other household enterprise.

2.4. Government forest: By legal status, forests in India are classified into following three categories, viz. Reserved forest, Protected forest, and Unclassified forests. Forest land also includes all state owned area of land classed as forest under any legal enactment or administered as forest, whether or not actually under forest. However, area of land under social and farm forestry, village forests, *Van Panchayat* forests and forests owned by individual households are excluded. The category of forests so formed is referred to as Government forests in this issue.

- *Reserved forest*: Reserved forests are constituted under the Indian Forest Act or other forest laws of the States. The government holds absolute rights of ownership in reserved forests. The products of a reserved forest are not to be used by the local population unless specifically permitted by way of grant of privilege and not as a matter of right. Access to these forests is generally restricted. For this survey, all forests declared as wild life or game sanctuary or

national parks were treated reserved forests.

- *Protected forest*: Protected forests too are constituted under the Forest Act. The locals are permitted to gather all produce except those items which are specifically prohibited. Other privileges to the local population are also permitted. The privileges commonly enjoyed by the local population include collection of leaves, firewood, fodder and other minor forest produce, grazing of cattle, etc.
- *Unclassed forests*: According to the classification by legal status, this category includes all other forests. Some of these forests are privately owned. All village forests are included in this category. In the hill States of the North-east, forests are owned by district councils, village community and even by individual households. All these come under the category of unclassed forests. In some parts of the country, there are forests on revenue land, which are normally assigned to the forest department for management. These are called as revenue forest or *Soyam* forests.

2.5. Common water resources: Typically, an Indian village uses a number of water sources, usually of different types, to meet their needs. Besides meeting needs for domestic purposes, such as drinking, bathing, washing etc., these sources provide for irrigation, feeding and washing of livestock, fishing and needs of other household enterprises. Many of the water sources used by villagers are owned by individual households. But in most of the villages, there are some sources which are meant for community use. These are either held by the village community as a whole or a caste/religion/occupation-based community or a community based on traditional social order or community of persons of a geographical location. There are also sources of water which are either constructed by or lie within jurisdiction of a government department. All these sources, whether or not controlled by a community or a local body, which are not held by individual households, have been treated as common water resources.

2.6. Community management of water resources: Management of water resources by a local body, whether formal or informal, has been referred to as community management of common water sources. Apart from local self-government (like panchayat) and formal local organisations (like co-operative, pani panchayat, sinchai samitis and other farmers associations), totally informal but functionally effective local-level organigations for managing common water resources are commonly found in a large number of villages. All such informal bodies in addition to the formal bodies as forming part of community management were also considered for this survey.

2.7 Common Property Resources

2.7.1 Common Property Resources (CPRs) have been defined in a number of alternative ways in the available literature. The element that is common to most of these definitions attributes primary importance to the nature of access in identification of CPRs. The conceptual approaches vary over a wide range. At the one extreme, there is an approach treating all that is not private property as common property. The approach at the other extreme adopts a much more stringent view to distinguish between common property and "free rider" or "free or open access" resources. The latter category is characterised by absence of any rules for management of the resources. The proponents of this approach hold that "a resource becomes common property only when the group of people who have the right to its collective use is *well defined*, and the rules that govern their use of it are set out clearly and followed universally". In their view, common

property implies existence of an institutional arrangement for management of the resources.

2.7.2 Traditionally, systems of community management of CPRs and forest land had existed in different forms in many parts of the country till the end of the 19th century. A very large part of the country's natural resources was common property, in the sense that a wide variety of necessary resources was freely available to the rural population. The process of extending state control over the common resources, which began with the declaration of "reserved" and "protected" forests in the closing years of the 19th century, has essentially been that of exclusion of villagers' access to common resources by law. As a result, the systems of community management gradually disintegrated and are now virtually extinct.

2.7.3 Today, in almost all parts of the country, the villagers have legal right of access only on some specific categories of land like 'pasture and grazing lands' and 'village forests', which are under the jurisdiction of the village or village *panchayat*. All other categories of land not under private ownership like barren and uncultivable land, culturable waste, land put to non-agricultural uses and forests belong to State Revenue department or Forest department. Nevertheless, the rural population, particularly the poor, depend greatly on the goods and services available from these categories of land. Besides, though only those resources are treated as CPRs on which no individual has exclusive property rights, there are systems of customary rights which support traditional practices, such as gleaning or grazing of cattle in the fields after harvest, which represent common rights on private property in certain situations.

2.7.4 Keeping the variety of conceptual approaches and their implications in mind, two distinctly different approaches were adopted for collection of data on CPRs in the present enquiry. First, called *de jure* approach, was used for collection of data on the size of CPRs. In this approach, only those resources were treated as CPRs which were within the boundary of the village and were formally (i.e. by legal sanction or official assignment) held by the village *panchayat* or a community of the village. The second approach, called *de facto* approach, was adopted for collecting information on use of CPRs. In this approach, the coverage of CPRs was extended to include resources like revenue land not assigned to *panchayat* or a community of the village, forest land, or even private land in use of the community by convention. The common use of private property may be confined to particular seasons as in the cases where cultivated land are used for grazing between crops, fields submerged during monsoon are used for fishing etc. All such land which are in practice used as common resources were treated as CPRs for data collection on benefits accruing to villagers from the CPRs even if they were located outside the boundary of the village.

SECTION 3

SAMPLE DESIGN AND ESTIMATION PROCEDURE

3.0 Since in the 54th round of the NSS the survey on Cultivation Practices was conducted in the rural areas only, the sample design and estimation procedure, too, have been stated below only for the rural areas.

3.1 Sample Design

3.1.1 A stratified multi-stage sampling design was adopted for the survey. The first stage units were census villages (*panchayat* wards in the case of Kerala). Households formed the ultimate-stage units.

3.1.2 Sampling frame for first-stage units (FSUs): The list of census villages of the 1991 population census (the 1981 census list for J & K) constituted the sampling frame for most of the States. For Kerala, however, the list of *panchayat* wards was used as the sampling frame for selection of *panchayat* wards. For Nagaland, the villages located within 5 km of a bus route constituted the sampling frame, whereas for Andaman & Nicobar Islands, the list of accessible villages constituted the sampling frame.

3.1.3 Stratification: From the list of villages of each State/Union Territory (UT), initially three separate strata were formed by considering villages (a) with very small population (b) with no population and (c) with very high population. These are formally stated below:

Stratum 1 : all uninhabited villages (as per the 1991 census)

Stratum 2 : villages each with a population of 1 to 50 (including both the boundaries) as per the 1991 census

Stratum 3 : villages each with a population of more than 15,000 as per the 1991 census

Each of the above three strata was formed only when there were at least 10 villages of the specified population in the State/UT as per the 1991 population census. Otherwise, these villages were included in the general strata as described below.

3.1.4 After formation of the strata 1, 2 and 3 (wherever applicable), the remaining villages of the State/UT were considered for formation of the general strata. Each district with a population of less than 2 million as per the 1991 census formed a separate stratum. A district having a population of 2 million or more was divided into two or more strata, depending on its population, as per the usual procedure followed in the NSS. For Gujarat, some districts cut across NSS regions. In such cases, the part of a district falling in an NSS region formed a separate stratum.

3.1.5 Allocation of first-stage units (FSUs):

A total all-India sample of 5242 villages for the Central sample were allocated to the States/UTs in proportion to their investigator strength. State/UT level rural/urban allocations are given in statement A.

3.1.6 Next a suitable sample size – minimum 2 and maximum 6 villages; the exact number depending on the total number of villages in the frame - was allocated to stratum type 1 of rural areas of each State and UT. In all, 68 sample villages were allocated to stratum 1 of the rural areas, considering all those States/UTs where stratum type 1 was formed. From stratum 2, a sample of a maximum of 6 villages was selected

from each State and UT. The number of sample villages from stratum 3 was either 2 or 4 depending upon whether the number of villages in the frame of stratum type 3 was less than 20 or more. The remaining sample size (i.e. total allocation for the rural areas less the allocations for strata 1,2 and 3) of rural areas of each State and UT was allocated to the general strata (i.e. the strata other than strata 1, 2 and 3) in proportion to their populations.

stratum type	selection procedure
1	css with equal probability @
2	-do- *
3	-do- *
others	css with pps *

(css : circular systematic sampling, pps : probability proportional to size, size = population)
@ arrangement of villages in the frame is the same as that of the census
* after arranging the FSUs in an ascending order of population

3.1.7 **Selection of first-stage units:** The selection of the sample FSUs was done in the form of two independent sub-samples as follows :

3.1.7 **Selection of hamlet-groups in rural areas:** There are villages in India which contain large population. Listing all the households of such a village requires considerable amounts of time and effort of field officials. To limit their work-load at this stage of the survey operation, the large villages were further subdivided into a specified number of parts, by grouping contiguous natural hamlets, in such a way that each group contained natural hamlets, approximately with an equal fraction of the village population. These groups of hamlets were called hamlet-groups (hgs). From the specified number of hamlet groups (depending upon the approximate present population) thus formed, a random sample of the hamlet-groups was drawn for the subsequent stages of the survey. The number of hamlet-groups formed and selected for the survey were as follows:

approx. present population of village	**no. of hgs formed (*D*)**	**no. of hgs selected for survey(*d*)**
less than - 1200	no hg formation	entire village is selected for survey
1200 - 1999	4	2
2000 - 2499	5	2
2500 - 2999	6	2
3000 - 3499	7	2
3500 - 3999	8	2
4000 - 4499	9	2
4500 - 4999	10	2
5000 - 5499	11	3
.	.	.
.	.	.
.	.	.
9500 - 9999	20	3
10000 - 10499	21	4
.	.	.
.	.	.
.	.	.
14500 - 14999	30	4
15000 - 15499	31	5@
and so on		

@5 hgs were selected for survey from each selected village having approx present population of 15000 or more.

However, for the rural areas of Himachal Pradesh, Sikkim, and Punch, Rajouri, Udhampur and Doda districts of Jammu & Kashmir, the limit was D=1 for a population of less than 600, D=4 for a population of 600 - 1199; D=5 for a population of 1200 - 1499; D=6 for a population of 1500 - 1799 and so on. The number of hgs selected for the survey was d=2 for D=4 to 10, d=3 for D=11 to 20, d=4 for D=21 to 30 and d=5 for D>30.

3.1.8 Second-stage stratification (for selection of households): In rural areas, all the households of a sample village, or the selected hamlet groups of it, were classified into 3 second-stage strata. The households engaged in free collection (other than fuelwood and marine fishing) formed second-stage stratum 1. Other rural households were grouped into two second-stage strata - those with wage/salary earning but possessing land less than 0.40 hectare formed second-stage stratum 2 while the rest of the households formed second-stage stratum 3. The households of second-stage stratum 3 in rural areas were arranged by area of land possessed before sample selection. In urban areas also, the households were grouped into three second-stage strata, but by following a procedure different from that followed for rural areas.

3.1.9 Selection of households: For schedule 31, a sample of 16 households from each selected village (or selected hamlet-groups) was selected for the survey.

3.1.10 The 16 households selected from each selected village (or selected hamlet-groups) were allocated among the three second-stage strata in proportion to the number of households in the respective frames with a minimum allocation of 4, 2 and 2 households, respectively, to second-stage strata 1, 2 and 3.

3.1.11 While allocating the above total number of sample households among the three second-stage strata, if allocation for one particular second-stage stratum was less than the minimum allocation specified for the second-stage stratum, its quota was increased to the said minimum number and the residual total allocation was allocated between the other two second-stage strata in proportion to the total number of households in the respective frames. The sample households were selected circular systematically with independent random starts from the respective frame of households in each second-stage stratum.

3.2 Estimation Procedure

3.2.1 The estimation procedure adopted in the 54th round for schedule 31 is briefly indicated here.

3.2.2 Notation: The notation used for describing the estimation procedure is as given below:

s = subscript for stratum

i = subscript for sample village

j = subscript for second-stage stratum of a sample village

k = subscript for sample household

b = subscript for sub-sample (b=1, 2)

z = size of the sample village used for selection

Z = total size for a stratum as per the frame

n = number of sample villages (i.e. no. used for tabulation) surveyed including uninhabited and zero cases and excluding casualty and other not received cases

D = number of hamlet-groups formed in the sample village

d = number of hamlet-groups selected for survey

H = total number of households listed in the frame

h = number of sample households available for tabulation

y = value of any characteristic under estimation in a sample village/household

$\hat{Y}$ = estimate of population total of the characteristic y

3.2.3 Estimates of aggregates:

For schedule 31, the formula used for the estimation of the aggregates of the s-th stratum and b-th sub-sample is as specified below:

$$\hat{Y}_{sb} = \frac{Z_{sb}}{n_{sb}} \sum_{j=1}^{n_{sb}} \frac{D_{sbj}}{d_{sbj}} \frac{1}{z_{sbj}} \sum_{j=1}^{3} \frac{H_{sbj}}{h_{sbj}} \sum_{k} y_{sbjk}$$

Note: (i) For strata 1,2 and 3 in the rural sector, z=1 and Z= total number of villages in the frame of the respective strata whereas for other strata in the rural sector, z= population of the sample village as per the frame used for selection and Z= total population of the stratum

(ii) When D =1 , d = 1 and for $D \geq 4, 2 \leq d \leq 5$

(iii) When H>0 but h=0 for any second-stage stratum, that second-stage stratum was merged with any of the other two second-stage strata. In particular, if h=0 for H>0 for the 1st second-stage stratum, it was merged with the 3rd second-stage stratum. If second-stage stratum 2 became a casualty, it was merged with second-stage stratum 3. Lastly, if second-stage stratum 3 became a casualty, it was merged with second-stage stratum 1.

The pooled estimate of the s-th stratum based on two sub-samples has been obtained as

$$\hat{Y}_{s} = \frac{1}{2} \sum_{b=1}^{2} \hat{Y}_{sb}$$

The pooled estimate $\hat{Y}_s$ at the region/State/UT/ all-India has been obtained by summing the stratum estimated $\hat{Y}_s$ over all the strata of the region/State/UT/all-India.

3.2.4 Estimates of ratios: The estimate of the ratio $R = \frac{Y}{X}$ (where X and Y are the population totals of the two characters) was obtained as. $\hat{R} = \frac{\hat{Y}}{\hat{X}}$

Statement A: First-Stage and Second-Stage sample size

State/UT	number of FSUs in				number of sample households surveyed	
	rural		urban			
	allotted	surveyed	allotted	surveyed	rural	urban
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh.	364	364	132	132	5721	2356
Ar. Pradesh *	52	49	8	7	719	126
Assam	214	206	28	28	3243	504
Bihar	478	477	72	72	7464	1283
Goa	18	18	12	12	256	212
Gujarat	190	190	96	96	2939	1701
Haryana	82	82	24	24	1222	430
Himachal Pradesh	132	127	12	12	1914	214
Jammu & Kashmir	192	116	60	27	1719	536
Karnataka	204	204	88	88	3152	1566
Kerala	204	204	72	72	2911	1296
Madhya Pradesh	372	372	112	112	5802	2010
Maharashtra	344	344	212	212	5359	3806
Manipur	60	60	24	16	873	414
Meghalaya	70	70	16	16	1040	277
Mizoram	42	42	36	36	594	648
Nagaland	56	56	12	11	895	196
Orissa	220	220	36	36	3401	646
Punjab	166	166	72	72	2533	1295
Rajasthan	228	228	64	64	3501	1129
Sikkim	60	60	8	8	936	144
Tamil Nadu	338	336	176	176	5324	3138
Tripura	108	76	20	20	1216	360
Uttar Pradesh	638	638	156	156	10003	2792
West Bengal	340	340	124	124	5312	2222
A & N Islands	38	38	12	12	502	216
Chandigarh	4	4	12	12	64	216
D & N Haveli	4	4	4	4	64	72
Daman & Diu	4	4	4	4	64	72
Delhi	10	10	68	68	119	1158
Lakshadweep	6	6	4	4	64	72
Pondicherry	4	4	12	12	64	216
All India	**5242**	**5115**	**1788**	**1745**	**78990**	**31323**

SECTION 4

MAIN FINDINGS

4.1 Common Property Resources (CPRs)

4.1.1 The present enquiry on common property resources (CPRs) aims at assessing their role in the life and economy of the rural people. In recent years, use of common property resources in India has drawn the attention of planners and policy-makers dealing with wasteland development, anti-poverty programmes and environmental problems. The Planning Commission, while exploring the prospects and strategies for bio-mass fuel and fodder supplies in the rural areas for the Eighth Plan, recognises the important role of the CPRs in this respect and acknowledges the need for surveys to measure their extent.

4.1.2 The beginning of studies of CPRs in India can be traced back to early 1980s. Since then, a large number of field studies have been conducted. These studies mostly deal with the nature and extent of dependence of the rural poor on the CPRs for their bio-mass needs, depletion and degradation of the CPRs and the existing systems of community management of these resources. Some of these studies covered a fairly large number of villages scattered over a vast area of the country, some were confined within a State or a region of a State and a majority were in the nature of case studies. These studies provide detailed information on the nature, size and contribution of the CPRs, problems relating to access to them and the factors underlying the depletion and degradation of these resources. But they offer little help in understanding their role and associated problems at the national or State level. Moreover, most of these studies were conducted in the arid and semi-arid areas or hill and forest fringe regions of the country. The present enquiry, therefore, is the first attempt to provide comprehensive State- and national-level estimates of size, utilisation and contribution of CPRs. It also provides separate estimates for agroclimatic zones.

4.1.3 Broadly speaking, common property resources refer to all such resources which are accessible to the whole community and to which no individual has exclusive property rights. The rights and practices determining the access to these resources are generally conventional. In India, CPRs include village pastures and grazing grounds, village forests and woodlots, protected and unclassed government forests, waste lands, common threshing grounds, watershed drainage, ponds and tanks, rivers, rivulets, water reservoirs, canals and irrigation channels. The CPRs have traditionally been a source of economic sustenance of the rural poor and have played an important resource-supplementing role in the private-property based farming system. They are also the main source of bio-mass fuel for the rural population. In the present enquiry, data on size and all forms of use of the CPRs were collected using two different conceptual approaches. Of the three main categories of CPRs, viz. land, water and forests, the present enquiry attempts to estimate the magnitude of CPRs in land only.

4.1.4 The main findings of the enquiry on common property resources are summarised in this section. It starts with the survey estimates on magnitude of common property land resources while comparing them with the estimates available from various other studies. This is followed by an overview of the extent and nature

of dependence on CPRs, in terms of value of materials collected by the rural population from these resources and other benefits derived from them. The amount of fuelwood and fodder collected from the CPRs are then discussed in some detail. Finally, the survey results indicating the contribution of CPRs in irrigating land of privately operated farms are discussed in relation to the role of community management of common property water resources.

4.2 Size of Common Property Land Resources

4.2.1 Two schedules of enquiry were used for data collection on CPRs in the survey. Broadly speaking, one was meant for collection of information on availability of different kinds of CPRs and was canvassed for each village in the sample. The other schedule was canvassed in each household in the sample. A part of this schedule was meant for recording information on utilisatiion of the CPRs by the households. The data on area of common property land resources were collected following both *de jure* and *de facto* approaches and were recorded separately in the village schedule. The field officials were advised to consult local officials and knowledgeable persons of the village for ascertaining the area. The estimates of common property land resources presented in this report are based on the data of area collected using the *de jure* approach.

4.2.2 Statement1 gives the estimates on availability of common property land resources obtained using *de jure* approach from the survey. Common property land resources, as per this approach, include the categories of land like community pasture and grazing grounds, village forests and woodlots and village sites, on which the villagers have legal usufructuary rights. These also include all other land formally held by the *panchayat* or a community of the village. In fact, all *panchayat* land, even when given on lease to an individual or to any organisation, was considered as common property. Government forests, i.e. land under the jurisdiction of the Forest Department, and land put to non-agricultural uses (except the land under water bodies) were excluded from the coverage of common village land in de *jure* approach.

Statement 1:Availability of common property land resources in rural India

	Item	estimate
1.	Percentage of common property land resources in total geographical area	15
2.	Common property land resources per household (ha)	0.31
3.	Average household size	5.04
4.	Common property land resources per capita (ha)	0.06
5.	*Components of common property land resources: (Percentage)*	
	community pastures and grazing grounds	23 *(3.45 %)*
	village forests and woodlots	16 *(2.40 %)*
	other	61 *(9.15 %)*

Note : The figures in parenthess in Item 5 represent to geographical area.

4.2.3 The restrictive definition of CPRs in the *de jure* approach excludes all Government forests and revenue land which in practice may actually be used as common property. Yet it is seen that common property land resources form a substantial part (15%) of the total geographical area.area. This estimate is based on the data on area of CPR land collected in the survey and the

geographical area of the surveyed villages given in the Primary Census Abstract (PCA), 1991. In many cases, however, geographical area is not available in the PCA. In particular, the PCA does not provide village-wise area figures for Jammu & Kashmir and the north-east hill States of Manipur, Meghalaya, Arunachal Pradesh and Mizoram. For Assam too geographical area is available from the PCA for only 13 of the 214 surveyed villages. Besides these, geographical area is not given in the PCA for a number of surveyed villages in the other States. The estimate of percentage of area of CPR land to geographical area is based on the data of the villages for which geographical area is provided in the PCA. Moreover, as the first stage sampling units for Kerala were *panchayat* wards instead of census villages, the data on CPRs for Kerala relate to the selected *panchayat* wards and not to the entire village to which they belong. Thus, the data of Kerala were not used for estimating the percentage of CPR land to geographical area. Statement 2 gives the number of surveyed villages for which geographical area is not given in the PCA. It is seen that, out of a total of 5,114 villages surveyed, geographical area is not available from the PCA for 924 villages.

4.2.4 Other problems relating to area estimates: The data on CPR land and forest area collected in the survey was compared with the geographical area available in the PCA and area of forest given in the Village Directory (1991) of the Registrar General. In a very large number of cases, the survey data on CPR land or forest area were found to exceed geographical area or forest area available from the Census data. Over 700 such inconsistent cases were detected at the data processing stage. Out of these, about 60 cases related to area of CPR land. Owing to resource constraints, only the latter were re-examined and checked with the entries in the schedules of enquiry. In most of these cases, inconsistency with the census figure remained unresolved. In fact, it was found that there were a number of inconsistent cases within the Census data as well. For example, geographical area given in the PCA was found to be less than the area under non-agricultural use given in the Village Directory in quite a few cases. Thus, no attempt was made to correct the survey data relating to area on the basis of Census data. Very high figures reported as CPR land in the survey were kept unchanged. Most significantly, two villages in Rajasthan were reported to have more than 10,000 sq. km. of CPR land, of which one was found to have a geographical area of about 69,000 sq. km according to the PCA.

Statement 2: Number of surveyed villages for which geographical area is not available in the PCA

State	no. of villages	State	no. of villages
Andhra Pradesh	7	Manipur	60
Arunachal Pradesh	52	Meghalaya	70
Assam	201	Mizoram	42
Bihar	6	Nagaland	28
Goa	1	Orissa	2
Gujarat	4	Rajasthan	1
Jammu & Kashmir	192	Sikkim	4
Kerala	204	Tamil Nadu	29
Madhya Pradesh	1	Uttar Pradesh	1
Maharashtra	3	A. & N. Islands	16
		India	924

4.2.5 The problems with the data on area of CPR land notwithstanding, the survey estimates do indicate the broad order of magnitude of common property land resources. The average CPR area available to a household works out to 0.31 ha while average area of land owned by a rural household was estimated as 0.84 ha from the same survey. There is, however, a tendency on the part of the respondents, particularly those with ownership of large area of land, to under-report the area of land owned. This is a general problem of surveys based on interview method of data collection. Thus, the estimate of average area owned cited above is likely to be on the lower side. Nevertheless, the estimates of area of CPR land per household (0.31 ha) and average area of land owned (0.84 ha) by a household signify the relative importance of common property in land-based agricultural economy of rural India.

4.2.6 Comparison with estimates based on other secondary data: A preliminary comparison with the figures worked out from secondary data indicate that the survey estimates of size of CPR land are perhaps on the lower side. The area of CPR land obtained by reclassification of land-use statistics (LUS) is found to constitute about 22% of the geographical area[1], whereas the corresponding estimate from the present enquiry is just 15%. The CPR area worked out from LUS, however, includes protected and unclassed forests as well as the part of privately owned land presumed to permit common access by customary rights. Excluding these components from the CPR area, the estimate comes down to about 9%, which is much lower than that obtained from the present survey. This calls for a closer examination of the survey estimates.

4.2.7 It is seen from Statement 1 that 61% of the CPR land fall in the category 'other', which includes village site, threshing floors etc. and other barren or waste land. In the *de jure* approach, only that part of the barren and uncultivable land and culturable wastes was required to be considered as CPR which was under the formal (i.e. by legal sanction or official assignment) control of the village *panchayat* or a community of the village. But so high a share of this category in the CPR land (which is equivalent to over 9% of the total geographical area) suggests that, in many cases, the criterion of 'formal control' was improperly applied while identifying CPR. A large part of "free access" revenue land, it appears, was misidentified as CPR land. However, the estimated percentage of community pasture and grazing land to total geographical area obtained from the survey (3.45%) is found to be of the same order as the corresponding estimate (3.65%) based on LUS data mentioned above.

4.2.8 Inter-State variation in availability of CPR land: Percentage of CPR land to total geographical area and per household availability of CPR land in different States are given in Statement 3. It is seen that average area of CPR land available to a household varies over a wide range from 0.01 ha (in Tripura) to 4.37 ha (in Mizoram). Except for Tripura, Manipur and Sikkim, all the hill States of the north-east have high CPR land per household. The north-eastern States apart, CPR land per household was the highest in Rajasthan (2.04 ha), followed by Madhya Pradesh (0.74 ha) and Gujarat (0.72 ha). The group of States where the availability was low ¾ with CPR land per household less than 0.17 ha ¾ consists of Tripura, Punjab, West Bengal, Assam, Haryana, Bihar, Kerala, Jammu

[1] This estimate is based on Land Use Statistics for the year 1980 and is taken from:
Chopra, Kanchan et. al. (1990) *Participatory Development: People and Common Property Resources*, Sage, New Delhi

& Kashmir, Uttar Pradesh, Tamil Nadu, Andhra Pradesh and Manipur. There are five States, viz. Karnataka, Sikkim, Orissa, Maharashtra and Himachal Pradesh, with availability of CPR land per household falling between 0.25 ha to 0.33 ha. The percentage of CPR land to geographical area, it is seen, varies from 1% (in Tripura and West Bengal) to 32% (in Rajasthan) across the States for which geographical area is available from the PCA.

Statement 3: Availability of CPR land in different States

State	area owned per household* (ha)	CPR land per household (ha)	percentage of CPR land to geo. area@
Andhra Pradesh	0.67	0.17	9
Arunachal Pradesh	1.52	1.15	-
Assam	0.79	0.05	7
Bihar	0.59	0.08	8
Gujarat	1.17	0.72	27
Haryana	1.00	0.05	3
Himachal Pradesh	0.73	0.33	12
Jammu & Kashmir	0.68	0.14	-
Karnataka	1.23	0.25	10
Kerala	0.28	0.12	-
Madhya Pradesh	1.52	0.74	22
Maharashtra	1.08	0.30	11
Manipur	0.66	0.17	-
Meghalaya	1.02	0.72	-
Mizoram	0.36	4.37	-
Nagaland	2.68	1.49	8
Orissa	0.58	0.28	11
Punjab	0.94	0.02	1
Rajasthan	2.21	2.04	32
Sikkim	0.49	0.25	14
Tamil Nadu	0.35	0.16	12
Tripura	0.30	0.01	1
Uttar Pradesh	0.74	0.14	12
West Bengal	0.33	0.03	2
India	**0.84**	**0.31**	**15**

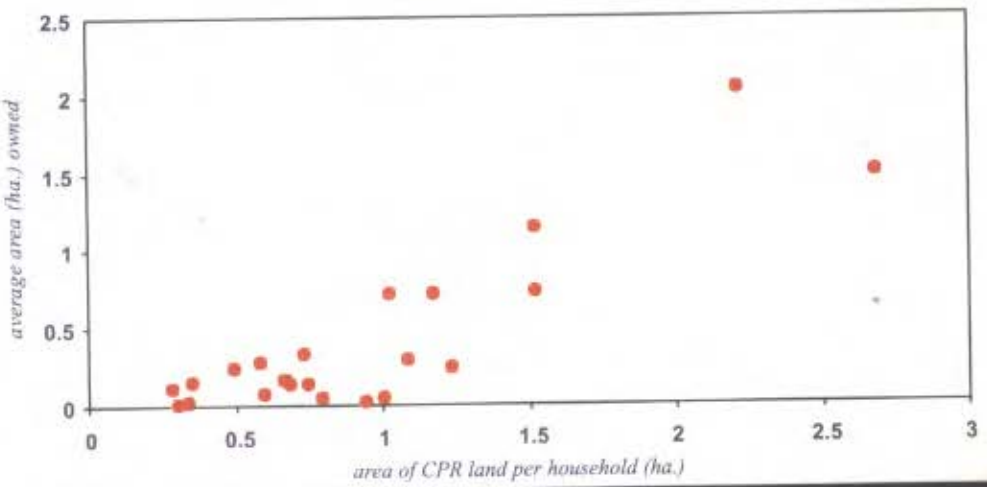
* The estimates given in this column are taken from Sarvekshana Issue No. 84 : Cultivation Practices in India, NSS 54th Round. (See Page No. S-9)

@ The dashes (-) in this column indicate that the village-wise geographical area is not available from the PCA, 1991. For Kerala, however, the data collected in the survey pertain to *panchayat* wards and not to the entire village to which they belong.

4.2.9 Another feature of significance revealed by the table concerns the relation between private property and common property in respect of land resources. The five highest figures of average area owned per household are reported for Nagaland (2.68 ha), Rajasthan (2.21 ha), Arunachal Pradesh (1.52 ha), Madhya Pradesh (1.52 ha) and Gujarat (1.17 ha). The estimates of availability of common land are also relatively high in all these States. The observed positive association between State-level estimates of average land owned and common land per household (see Figure 1) is no doubt due to the fact that population pressure, which restricts the amount of land owned per household, also limits the amount of CPR land available per household.

Figure 1

Scatter of Statewise estimates of average area owned and CPR land per household



4.2.10 Varying availability of CPR land in different agro-climatic zones: A fairly large number of field studies on common property resources undertaken by scholars in recent years show that the availability and utilisation of CPR depends on the agro-climatic conditions and vary even with a State. To examine how the availability of and dependence on CPRs depend on agro climatic factor, the results of the present survey are given separately for different agro-climatic zones of the country. The detailed statistical tables given in Part-II give the estimates for different agro-climatic zones of each State, whenever sample size permits. For this purpose, the entire country has been divided into 15 agro-climatic zones (A-C zones) as defined by the Planning Commission while formulating the Eighth Plan. These A-C zones cut across State boundaries. The details of composition of these **A-C zones** are given in **Section 5** of the present issue.

4.3.11 The estimates of percentage of CPR Land in total geographical area, and CPR Land per household given in Statement 4 indicate the availability of CPRs in different A-C zones of the country. It is seen that percentage of geographical area considered as CPR in *de jure* approach varies over a wide range from 1% in the lower Gangetic Plains(LG) to 38% in the Western dry region (TD) of Thar Desert. The CPR land available per household also varies

as widely from 0.02 ha in LG to 4.77 ha in TD. The estimated CPR land per household is indeed much higher in TD than in the other zones. The semi-arid zone of Gujarat Coast, Plains & Hills(GC) comes closest to TD in respect of availability of CPR land. But CPR land per household in GC(0.71 ha) is found to be much smaller than that in TD. The difference between the estimates of percentage of CPR land to total geographical area for these two zones, however, do not differ as widely as the CPR land per household. The exceptionally high value of CPR land per household estimated in TD owes to two geographically large villages in the sample of Rajasthan (see paragraph 4.2.4).

Statement 4: Percentage of CPR land to geographical area and availability of CPR land per household and per capita

agro-climatic zone	percentage of CPR land to geo. area	CPR land per house-hold (ha)	average household size	CPR land per capita (ha)
Lower Gangetic Plains (LG)	1	0.02	5.02	0.00
Upper Gangetic Plains (UG)	2	0.03	5.38	0.01
Middle Gangetic Plains (MG)	8	0.07	5.69	0.01
Trans-Gangetic Plains (TG)	5	0.07	5.61	0.01
all Islands (Isl)	9	0.12	4.41	0.03
East Coast Plains & Hills (EG)	12	0.15	4.28	0.04
Western Coast Plains & Hills (WC)	10	0.16	4.57	0.04
Eastern Himalayas & Bramhaputra Valley (EHm)	5	0.18	5.08	0.04
Southern Plateau & Hills (DP)	9	0.18	4.36	0.04
Western Plateau & Hills (WHg)	10	0.29	5.10	0.06
Eastern Plateau & Hills (EHg)	19	0.44	4.78	0.09
Western Himalayan (WHm)	33	0.49	5.00	0.10
Central Plateau & Hills (CHg)	20	0.65	5.23	0.12
Gujarat Coast Plains & Hills (GC)	27	0.71	4.95	0.14
Western Dry Region (TD)	38	4.77	5.75	0.83
India	**15**	**0.31**	**5.04**	**0.06**

4.2.12 The estimates of per household availability of CPR land, given in statement 4, confirm the findings of the field studies on CPR conducted in recent times. It is seen that the CPR land ranged from 9% to 38% of the geographical area in the arid and semi-arid areas of the country. The availability of CPR land per household too was relatively high in these areas. Besides the A-C zones TD and GC, the per household CPR land was also high in the semi-arid zones like Central Plateau & Hills (CHg) and Western Plateau & Hills (WHg). Per household CPR land was also found to be high in the A-C zones Western Himalayan (WHm) and Eastern Plateau and Hills (EHg). Both these A-C zones are endowed with large tracts for forest land and traditional institutions of community management. The only dry tropical A-C Zone with relatively low per household CPR is found to be Southern Plateau and Hills (DP). However, the relatively low estimate of

availability of CPR in the other A-C Zone containing large hilly tracts; viz. Eastern Himalayan and Bramhaputra Valley (EHm), does not reflect the variation within the region. It is seen from statement 3 that the tribal hill States of the north-east do have high percentage CPR Land in Geographical area, while Assam, containing large part of the Bramhaputra valley, has a small part of geographical area as CPR land. The A-C zones where the availability of CPR land are found to be rather low (0.7 ha per household or less), viz. lower (LG), Middle (MG), Trans (TG) and Upper (UG) Gangetic plains, are among the agriculturally developed areas of the country and are endowed with rich and fertile soil.

4.2.13 Statement 5 gives the percentage distribution of CPR land by category for the A-C zones with high or moderately high availability of CPR land. In the present survey, data on area were collected separately for four broad categories of CPR land, viz. (i) common pasture and grazing land, (ii) village forest & wood lot, (iii) village site, threshing floor etc. and (iv) other barren or waste land formally held by *panchayat* or any community of the village. In statement 5, separate estimates are given for the first two categories and the estimates of other two categories are pooled and given separately under a broader category called 'both'.

Statement 5: Percentage distribution of CPR land by category of CPR land

agro-climatic zone	permanent pasture & grazing land	village forests & woodlots	other	all
East Coast Plains & Hills (EG)	20	7	73	100
Western Coast Plains & Hills (WC)	38	13	50	100
Eastern Himalayas & Bramhaputra Valley (EHm)	22	50	28	100
Southern Plateau & Hills (DP)	28	11	61	100
Western Plateau & Hills (WHg)	31	24	45	100
Eastern Plateau & Hills (EHg)	30	27	45	100
Western Himalayan (WHm)	43	31	27	100
Central Plateau & Hills (CHg)	34	18	46	100
Gujarat Coast Plains & Hills (GC)	28	4	68	100
Western Dry Region (TD)	4	1	95	100
India	**23**	**16**	**61**	**100**

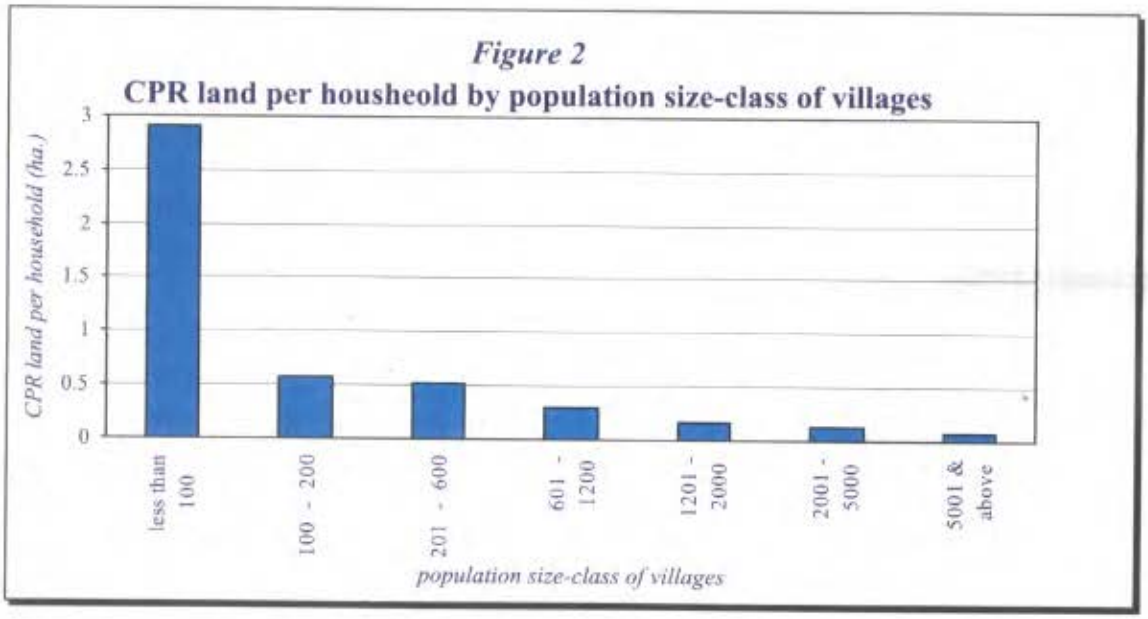
4.2.14 In all the arid and semi-arid A-C zones, except TD, the category "common pasture and grazing land" is found to be an important constituent of the CPR land. The estimates for TD, based on the sample containing two very large villages(see paragraph 4.3.4), fail to reflect the relative shares of different categories of CPR land in the zone. The highest share of the category "common pastures and grazing land" in CPR land was, however, reported in the mountainous A-C zones WHm. It was relatively high also in the A-C zone West Coast Plains & Hills, containing the high-rainfall regions of Western Ghats and coastal areas.

4.2.15 'Village forest & wood lot' is found to be an important constituent of CPR Land in the A-C Zones, Eastern Himalayas and Bramhaputra Valley (EHm) (50%), Western Himalayas (WHm) (31%) and Eastern Plateau and Hills (EHg)

(27%). In the tribal areas of the hill States of the north-east, land is generally owned by district councils or village communities or tribal clans. A large part of the geographical area in these States are under forest cover and are traditionally managed as common property. In the A-C Zones WHm and EHg too over a fourth of the CPR land falls in the category of village forests. Besides the *Van panchayats* in the Western Himalayan regions of Uttar Pradesh, it appears, there are similar institution of community management of forests in the other parts of the A-C zone WHm. It is seen that 31% of CPR land in this zone fall in this category. In Orissa, the major constituent of the A-C zones EHg, there are forests called "Gramya Jungle", on which the villagers enjoy rights over fuelwood, fodder and other minor forest produce. Village forests, therefore, constitute 27% of the CPR land in A-C zone EHg.

Figure 2

CPR land per housheold by population size-class of villages



4.2.16 Availability of CPR land and population size of villages: In general, the less developed villages are known to be less populated than the developed ones. Thus, to examine the widely held view that the availability of CPR land is higher in the less developed villages, the data on CPR land collected in the present survey were used to generate estimates of area of CPR land per household for varying population size class of villages. For this purpose, the villages in the sample were classified according to Census '91 population. Figure 2, which is based on these estimates, clearly reveals that the smaller the population of a village the higher is the per household availability of CPR land. The data of Rajasthan were, however, excluded while working out the estimates for Figure 2, since the sample for Rajasthan included two villages with exceptionally large geographical area which were reported to have equally large area of CPR land. Also, it is important to note that the population size class less than 100 includes uninhabited villages and the data on CPR land reported for them were also taken into account while generating the estimates. Thus, the estimate of CPR land per household (2.90 ha) for this size-class is much higher than those of the other size-classes.

4.2.17 Depletion of CPR land: There is evidence indicating a rapid decline in CPRs, both in size and productivity. In the present

survey, an attempt was made to assess the rate of depletion in the size of CPR land. Statement 6 gives the rate of depletion alongside the present per household availability of CPR land for each A-C zone. It is important to note that the estimates of rate of depletion are based on the data on the present area of CPR land and the area that had existed five years ago. Data on both were collected by *de jure* approach during the present survey.

4.2.18 Statement 6 indicates that the area of CPR land in rural India is declining at a quinquennial rate of 1.9%. The two fastest rates of decline were observed in the A-C zones Middle Gangetic (7.2%) and Trans-Gangetic (7.1%), where the present per household availability of CPR land is as low as 0.07 ha. Relatively high rates were also reported in the A-C zones Eastern Plateau & Hills (5%) and Southern Plateau & Hills (4.3%).

Statement 6: Rate of reduction in CPR land during last 5 years in each agro-climatic zone

Agro-climatic zone	Reduction in CPR land during 5 years preceding the survey (per 1000 ha)	CPR land per household (0.00 ha)
Western Himalayas (WHm)	2	0.49
East Himalayas & Bramhaputra Valley (EHm)	23	0.18
Lower Gangetic Plains (LG)	26	0.02
Middle Gangetic Plains (MG)	72	0.07
Trans-Gangetic Plains (TG)	71	0.07
Upper Gangetic Plains (UG)	28	0.03
Eastern Plateau & Hills (EHg)	50	0.44
Central Plateau & Hills (CHg)	15	0.65
Western Plateau & Hills (WHg)	13	0.29
Southern Plateau & Hills (DP)	43	0.18
East Coast Plains & Hills (EG)	13	0.15
West Coast Plains & Hills (WC)	0	0.16
Gujarat Coast Plains & Hills (GC)	1	0.71
Western dry region (TD)	2	4.77
all Islands (Isl)	5	0.12
India	**19**	**0.31**

4.3 Dependence on CPRs

4.3.1 CPRs play an important role in the rural economy and benefit its population in a number of ways. The fuelwood and shrubs available from them are used for cooking and heating; grass, leaves and shrubs are used as animal fodder, bamboo, small timber and palm leaves for housing and a variety of fruits, vegetables and fish, for sustenance, particularly during the lean seasons. CPRs also contribute significantly to private-property based farming as well as to the household enterprises. These provide irrigation water, mulch and manure for cultivation, raw materials and common pastures for grazing.

4.3.2 To assess the contribution of CPRs, data on collection of different materials like fuel wood, fodder, manure, weeds, grass, edibles, and medicinal herbs from them as well as other kinds

of their use by the villagers were collected from each household in the sample. A *de facto* approach was adopted for this purpose (see paragraph 2.7.4). All land and water resources actually used as common property was treated as CPRs in this approach. Thus, the estimates on benefits accruing from CPRs given in this issue represent the magnitude of collections from and the extent of other uses of the resources like government revenue land, government forests — reserved as well as other — ponds and tanks, rivers, water reservoirs and canals as well as common pastures villages forests and *panchyat* land.

Statement 7: Use of common property resources

item	estimate
1. Households reporting collection of any material from CPRs	48 %
2. Average value of annual collections per household	Rs 693
3. Ratio of average value of collection to average value of consumption expenditure	3.02 %
4. Households reporting grazing of livestock on CPRs	20 %
5. *Households reporting use of common water resources for:*	
(i) irrigation	23 %
(ii) livestock rearing	30 %
(iii) household enterprise	2.8 %

4.3.3 Statement 7 gives the estimates of some basic parameters indicating the extent of use of CPRs by the rural households. About half of the rural households, it is seen, collect some material or the other from CPRs. The average value of annual collections per household from CPRs work out to Rs 693, which amounts to 3% of the average consumption expenditure of a rural household.[2] Apart from collection of materials, rural population derives benefits from CPRs, in many other forms. About one fifth of the households were found to have used CPRs for grazing their livestock. The common property water resources (CPWR) were also used by a large section of the rural population for various purposes. Most important use of CPWR is, no doubt, for irrigating the cultivated land. About 23% of the households reported use of water resources like tank, wells and tubewells owned by village panchayat or a community of the village or those provided by the government and government canals, rivers and springs, for irrigating their land during the 365 days preceding the date of survey. This demonstrates the important resource-supplementing role of CPRs in private-property based farming, as only 36% of the households were found to have used irrigation during the 365 days. Use of CPWR for livestock rearing was also found to be quite common — 30% of the households reported use of CPWR for this purpose. For other household enterprises, about 3% households reported use of CPWR.

4.3.4 In the present survey, measuring the benefits in quantitative terms, accruing from CPRs was restricted to actual collections reported by the households. No attempt was made to quantify the benefits derived by way of grazing livestock on common pastures or drawing irrigation water from CPWR. The rest of this section deals with the value of materials actually collected from the CPRs.

[2] The estimate of household consumption expenditure is taken from Sarvekshana Issue No. 81 (October-December 1999) : *Household Consumer Expenditure and Employment situation in India*, based on the 54th Round of NSSO.

4.3.5 Statement 8 gives the estimated value of annual collections from CPRs per household and its ratio to average consumption expenditure of a household for the major States. The estimates of household consumption expenditure used for deriving the ratios are based on data collected concurrently from a different sample of households drawn from each surveyed village. Thus the estimates involved in computation of the ratios given in the table refer to the same period, with the only difference that consumption data were collected with a reference period of 30 days, while data on value of collections from CPRs had a reference period of 365 days preceding the date of survey. The ratios given in the table, therefore, broadly indicate the level of dependence on CPRs, so far as the benefits are measured in terms of value of materials collected from them. What is important to note is that all collections from CPRs do not form part of consumption expenditure. The materials collected from CPRs include fuelwood both for home consumption and entrepreneurial activities, fodder for maintenance of livestock, and a variety of other materials used as food or as raw materials for household enterprises like rope making and basket weaving. Only the materials used for home consumption are considered while collecting consumption data.

4.3.6 The ratio of value of collections from CPRs to consumption expenditure works out to 3.02% at the national level. Statement 8 shows that, among the major States, the ratio varies from 0.91% in Rajasthan to 5.59% in Orissa. The ratio is found to be relatively high in Madhya Pradesh (4.93%) and Assam (4.89%) as well. Relatively low values of the ratio are observed in Kerala (1.17%) and West Bengal (2.09%), besides Rajasthan.

Statement 8: Comparison between average value of collections from CPRs and average consumption expenditure

State	average value of collections from CPR (Rs)	MPCE@ (Rs)	average household size@	ratio of value of collection of consumption expenditure (%)
Andhra Pradesh	554	386	4.3	2.78
Assam	1071	338	5.4	4.89
Bihar	519	289	5.4	2.77
Gujarat	663	416	4.8	2.77
Haryana	1174	546	5.8	3.09
Karnataka	635	365	5.0	2.90
Kerala	390	604	4.6	1.17
Madhya Pradesh	984	326	5.1	4.93
Maharashtra	799	384	4.8	3.61
Orissa	929	301	4.6	5.59
Punjab	1057	614	5.2	2.76
Rajasthan	266	452	5.4	0.91
Tamil Nadu	667	381	4.0	3.65
Uttar Pradesh	690	373	5.6	2.75
West Bengal	450	358	5.0	2.09
India	**693**	**382**	**5.0**	**3.02**

@MPCE stands for monthly per capita consumption expenditure. These estimates are taken from Sarvekshana Issue No. 81 (October-December, 1999) : *Household Consumption Expenditure and Employment Situation in India*, 54th Round NSS.

4.3.7 In the States with the three highest values of the ratio, values of collections were also high in absolute terms. The average values of annual collections in Madhya Pradesh (Rs. 984) and Orissa (Rs. 929) are expectedly high, since 85% and 75% of the households, respectively, of these two States reside in villages either with a forest within reach or 0.10 ha of CPR land per household. In Assam, on the other hand, though only about 46% of the households reside in such villages, the average value of collection was as high as Rs. 1,071. What is most striking, in this context, is that the average values of collections in Haryana (Rs.1,174) and Punjab (Rs. 1,057) are among the highest three, though only 35% and 10% of the households respectively in these two States have a forest within their reach or more than 0.10 ha of CPR land per household. The case of Rajasthan too is equally striking. The average value of collections from CPRs is found to be the lowest (Rs. 266) in this State, though 52% of its households reside in villages with 0.10 ha or more CPR land per household and 35% have a forest within their reach. In the other States with relatively low average value of collections from CPRs like Kerala (Rs. 390) and West Bengal (Rs. 450), however, only small fractions of households have enough CPR land for their use or a forest within their reach.

4.3.8 Collection from CPRs in agro-climatic zones: Statement 9 gives the value of collections from CPRs and percentage of households reporting any collection from CPRs for each A-C zones. For working out the percentage, the households reporting some amount of collection of materials like fuelwood, fodder, manure, leaves, weeds, honey, fish and medical herbs during the 365 days preceding the date of survey were considered to have made collections from CPRs.

Statement 9: Average value of annual collections from CPRs and percentage of households engaged in collection activity for each agro-climatic zone

agro-climatic zone	average value of annual collections (Rs.)	percentage of households reporting collection	percentage of households residing in villages with		
			forest within reach	no forest but CPR land 0.10 ha per household	either
Western Himalayas (WHm)	1939	68	83	6	89
East Himalayas & Bramhaputra Valley (EHm)	1219	51	47	4	51
Lower Gangetic Plains (LG)	408	38	20	1	21
Middle Gangetic Plains (MG)	464	39	16	8	24
Trans-Gangetic Plains (TG)	528	30	18	14	32
Upper Gangetic Plains (UG)	1070	30	16	4	20
Eastern Plateau & Hills (EHg)	845	73	70	9	79
Central Plateau & Hills (CHg)	744	47	53	34	87
Western Plateau & Hills (WHg)	674	58	43	27	70
Southern Plateau & Hills (DP)	628	65	44	16	60
East Coast Plains & Hills (EG)	559	51	34	20	54
West Coast Plains & Hills (WC)	715	31	38	2	40
Gujarat Coast Plains & Hills (GC)	658	56	31	50	81
Western dry region (TD)	230	13	30	50	80
all Islands (Isl)	467	68	88	0	88
India	**693**	**48**	**38**	**16**	**54**

4.3.9 Benefits accrued from CPRs, in the form of materials obtained from them, vary widely across the AC zones, both in terms of average value of collections and percentage of households engaged in collection activity. In general, it is seen that average value of collections from CPRs is not entirely dependent on the percentage of households reporting collections, nor is it determined by the availability of CPR land or forests. The table also provides the percentage of households residing in villages having 0.10 ha or more CPR land per household and those with a forest within villagers' reach.

4.3.10 Materials collected from CPRs in agro-climatic zones: Statement10 gives the percentage shares of different materials collected in the total value of collections from CPRs. The percentage shares given in the statement are for three broad categories of materials, viz. fuelwood, fodder and 'other'. The last category includes materials used as manure; fruits roots, tubers and vegetables, gums & resins; honey & wax; medical herbs; fish; leaves and weeds. It is important to note that the values of timber and marine fish catch are not included in the value of collections.

Statement 10 : Percentage distribution of value of collections from CPRs by category of materials

agro-climatic zone	percentage distribution of value of collections				average value of collections (Rs.)
	fuelwood	fodder	other	all	
Western Himalayas (WHm)	59	39	2	100	1,939
East Himalayas & Bramhaputra Valley(EHm)	53	8	39	100	1,219
Lower Gangetic Plains (LG)	48	5	47	100	408
Middle Gangetic Plains (MG)	52	39	9	100	464
Trans-Gangetic Plains (TG)	44	51	6	100	528
Upper Gangetic Plains (UG)	31	69	0	100	1,070
Eastern Plateau & Hills (EHg)	64	4	31	100	845
Central Plateau & Hills (CHg)	62	18	20	100	744
Western Plateau & Hills (WHg)	68	25	7	100	674
Southern Plateau & Hills (DP)	72	18	10	100	628
East Coast Plains & Hills (EG)	65	18	17	100	559
West Coast Plains & Hills (WC)	49	13	38	100	715
Gujarat Coast Plains & Hills (GC)	61	30	9	100	658
Western dry region (TD)	71	29	0	100	230
all Islands (Isl)	79	3	18	100	467
India	**58**	**25**	**17**	**100**	**693**

4.3.11 The estimates indicate that fuelwood forms a major part (58%) of the collections made from CPRs. Fodder accounts for 25% and the category 'other' 17%. The predominant share of fuelwood in the total value of collections is a common feature in all the A-C zones, except UG and TG. In these two agriculturally developed zones, the shares of fodder were more than 50%. A relatively high share of fodder in the total value of collections (39%) was also observed in two

other A-C zones, viz. WHm and MG. The category 'other' accounted for a significant part of the collections in the A-C zones LG (47%), EHm (39%), WC (38%) and EHg (31%).

4.4.12 The survey results presented in statement 9 and statement 10 reveal certain characteristic features of the A-C zones, which can be summarised as follows:

agro-climatic	characteristic features realting to use and availability of CPRs
1.WHm & EHg	A large majority of the population, in these two zones, reside within close proximity of forest. Very high percentages of households are engaged in collection activity. The average value of collections (Rs.1,939) in WHm is higher than that in all other zones. It is also relatively high in EHg. In both these zones, fuelwood has a very high share in the total value of collections. Of the other two broad categories of materials collected, fodder is seen to be the important component in WHm and category 'other' in EHg.
2. CHg & GC	About 80% households of these two zones reside in villages having 0.10 ha of CPR land per household or a forest within reach of the villagers. But neither the average value of collections nor the level of participation in collection activity can be said to be appreciably high. In both these States, fuelwood accounts for 60% of the total value of collections.
3. TD	Like CHg & GC, in this zone 0.10 ha of CPR land per household or forest is accessible to 80% of the households. But the CPR land in this rainfall deficient zone comprise desert areas and large tracts of barren and marginal land. Thus, both the average value of collection per household and percentage of households reporting collection are found to be the lowest among all the zone.
4. LG, MG, TG, EG & WC	In these Gangetic and coastal zones with moderate to low accessibility to CPR land or forest, both the average value of collection per household and percentage of households reporting collection are relatively low. Only in the A-C zone EG, the percentage of households reporting collection from CPRs was a little over the average for the country as a whole. Besides fuelwood, which formed an important constituent of the collections from the CPRs in all these zones, large part in the total value of collections accrued from fodder collection in A-C zones MG and TG, and collections of materials in the group "other" in A-C zones WC and LG.
5. DP & & WHg	These two A-C zones have moderately high percentage of households residing in villages either with a forest within the reach of the villagers or 0.10 ha of CPR alnd per household. In these two zones, a large majority of the households was engaged in collection from CPRs, but the average value of collections per household was smaller than national average. Fuelwood was the important component of the collections from CPRs
6. EHm	The percentage of households residing in villages with a forest within the reach of the villagers or 0.10 ha of CPR land per household is close to the national average in this zone, though it comprises the north-eastern hill States. The percentage of households reporting collection from CPRs was also close to the national average. But, the average value of collection per household is found to be the highest among all the zones, except Whm. Besides fuelwood, the group of

materials 'other' forms a major constituent of the value of collections in this zone.

7. UG This zone contains the two most agriculturally developed States, viz. Punjab and Haryana. The availability of CPR land or forests is naturally low in this zone. Like the other Gangetic zones, the percentage of households reporting collection from CPRs was much lower than the national average. But, what is important to note is that the average value of collections from CPRs in this zone was very high, next only to the A-C zone Whm. Significantly, fodder had a very large share (about 70%) in the total value of collections.

4.4.13 Varying value of collections across category of households: It is widely accepted that the rural poor depends substantially on the materials available from CPRs for their sustenance. In an attempt to examine this view, the survey results relating to use of CPRs are given separately for different categories of households. With this purpose, households were classified into five broad categories as follows:

1. rural labour households: households with the largest share of household income coming from wage paid manual labour
2. Other households with land possessed less than 0.20 ha
3. Other households with land possessed 0.20 ha to 0.50 ha
4. Other households with land possessed 0.50 ha to 1.00 ha
5. Other households with land possessed 1.00 ha or more.

4.3.14 Statement 11 gives the average value of collections from CPR and its percentage distribution by broad category of materials for each category of households. On the whole, it is seen, the average value of collections of the rural households (Rs. 777) was considered by higher than that of the other households (Rs. 630). The table also reveals that, leaving aside the second category of households, i.e. other households possessing less than 0.20 ha of land, the average value declines as one moves from the first category i.e. rural labour households, to the fifth category - other households possessing 1.00 ha or more land. The second category of households includes all the households engaged in non-agricultural activities with little or no land as well as the households depending on agricultural activity carried out on small area of land. The category therefore, comprises households of varying levels of living, and thus stands out as an exception to the generally observed negative association between value of collection and level of living, so far as a category of households represents.

Statement 11 : Percentage distribution of value of collections from CPRs by broad category of materials

agro-climatic of households	percentage distribution by material-category				value of collection per household (Rs.)
	fuelwood	fodder	other	all	
rural labour	61	25	14	100	777
others with land possessed					
less than 0.20	47	21	32	100	588
0.20 - 0.50	57	27	16	100	749
0.50 - 1.00	53	29	18	100	679
1.00 or more	59	26	15	100	593
others: al l	54	26	20	100	630
all households	**58**	**25**	**17**	**100**	**693**

4.3.15 The table also reveals that the share of fuelwood in the total value of collections, in general, decreases as one moves up from the first to fifth category of household. In this case too, the second category of households stands out as an exception.

4.4 Fuelwood from CPRs

4.4.1 Common property resources, as a major source of fuelwood supply to the villagers, play an important part in meeting the energy needs of the rural population. A large majority of the rural households still depends on bio-mass fuel, particularly fuelwood, for cooking and heating. The growing needs for fuelwood and the resulting depletion in the vegetative cover in the countryside have been causes for grave concern for quite some time now. But, as observed by the Planning Commission, there is no accurate data on the patterns of supply and consumption of energy in the rural areas. There is also no data to indicate the role CPRs play in this respect. The present enquiry is an attempt to provide estimates of fuelwood collection from the CPRs at the State- and national-level as well as for the Agro-climatic zones, as identified by the Planning Commission.

Statement 12 : Collection of fuelwood from CPRs and their sale

	item	estimate
1.	Percentage of households reporting use of fuelwood	62%
2.	Percentage of households reporting collection of fuelwood from CPRs	45%
3.	Percentage of households reporting sale of fuelwood collected from CPRs	1%
4.	Average quantity of fuelwood collected during 365 days (kg)	500
5.	Average quantity of fuelwood sold during 365 days (kg)	24

4.4.2 Statement 12 gives the survey estimates relating to use of fuelwood and its collections from CPRs. It is seen that about 62% households use fuelwood in rural areas. This estimate is based on the responses to just one straight-forward question on use fuelwood asked to every surveyed household and represents the percentage of households using fuelwood obtained from any source. The estimates relating to collection and sale, on the other hand, are based on detailed information on quantity of fuelwood collected from various types of CPRs and their sales. The estimated percentage of households reporting collection of fuelwood from CPRs too is obtained from this data. The percentage of collecting households (45%) indicate the high level of dependence of the rural population on CPRs for meeting their energy needs. Sale of fuelwood collected from CPRs was found to be much less common.

4.4.3 The average quantity of fuelwood collected from CPRs during 365 days was estimated as 500 kg per household. This estimate alone does not indicate the level of dependence of the rural population on CPRs for meeting their needs for fuelwood. Measuring the level of dependence in quantitative terms requires an estimate of quantity of fuelwood consumed during 365 days. The present enquiry do not provide any such estimate. Thus, in an attempt to assess the level of dependence on CPRs, the estimate of collection is compared with the estimate of consumption of fuelwood obtained from the Consumer Expenditure Survey of the 50th Round of the NSSO.[3] Statement 13 gives these estimates.

[3] See Sarvekshana Issue No. 69 : *Consumption of Some Important Commodities in India*, NSS 50th Round, 1993-94.

Statement 13 : Estimates of consumption of firewood and chips obtained from NSS 50th Round, 1993-94

item		estimate
1.	Percentage of households reporting use of fire & chips	87%
2.	*Monthly per household consumption of firewood & chips (kg):*	
	cash purchase	10.67
	home grown	27.61
	total	84.55
3.	Per household annual consumption of firewood & chips (kg)	1015
4.	*Derived* value of average quantity of fuelwood consumed out of collection during 365 days (kg)	555
5.	Percentage of consumption out of collections in total consumption	55%

4.4.4 In the consumption expenditure survey of the NSS 50th Round, data were collected on, among other things, quantity and value of firewood and chips consumed during 30 days preceding the date of survey and the parts there of coming from 'home produce', i.e. household's own resources. Data on quantity and value of purchases of firewood and chips were also collected in the survey. The total quantity consumed is constituted of the quantity purchased, the quantity from home produce and the quantity collected free. Statement 13 shows that average monthly consumption of firewood & chips per household is of the order of 85 kg, out of which about 11 kg are purchased and about 28 kg are obtained from household's own resources. Thus, it appears, the rest 46 kg of monthly consumption comes from collection, which amounts to 555 kg per year. That is, about 55% of the household's needs for firewood & chips were met from those collected free, most of which can be assumed to come from CPRs.

4.4.5 The data of the consumption expenditure survey, however, do not provide estimates of consumption of fuelwood separately. It includes most other bio-mass fuels like crop residues, bagasse, other agricultural wastes and cow dung. The difference between the estimates of percentage of households using fuelwood from the two surveys clearly indicates that while estimate of the present survey pertains to use of fuelwood alone, that of the 50th Round also includes households reporting use of other bio-mass fuels as well. The estimates of quantity collected per household per annum from the two surveys ¾ 500 kg from the present round and 555 kg from the 50th Round ¾ however, are found to be broadly of the same order.

4.4.6 Inter-State variation in use and collection of fuelwood: Statement14 gives the survey estimates relating to use of fuelwood and collection from CPRs. It also gives the survey results relating to consumption of fuelwood and chips for comparison as well as to form an idea about the level of dependence of rural population on collections from CPRs for supply of fuelwood. It is seen that the estimates of percentage of households using fuelwood from the present survey are in general much smaller than those from the 50th round for all the States. Moreover, there is no perceptible relationship between the two sets of estimates.

Statement 14 : Estimates of consumption and collection of fuelwood in different States

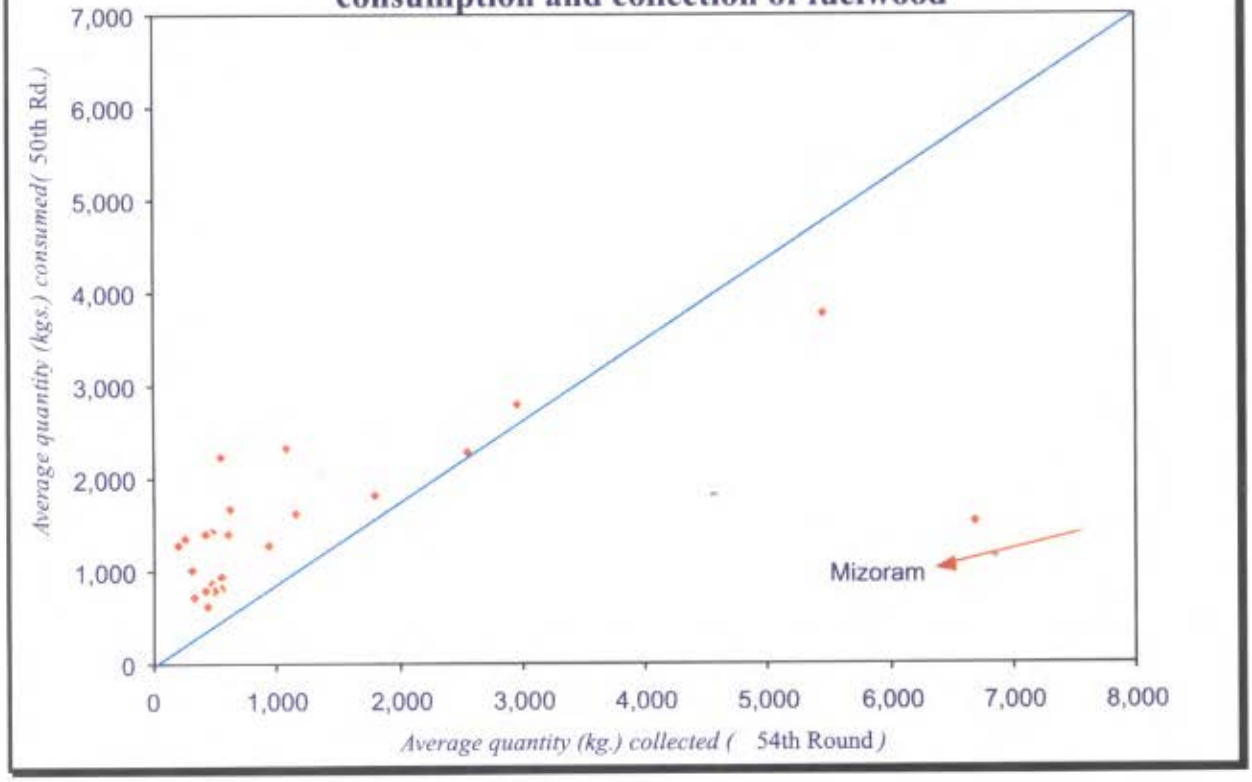
State	percentage of households using fuelwood		percentage of households reporting collection	average quantity collected *(54th round.)*	average qyantity consumed *(50th round.)*
	54th round *(1998)*	50th round *(1993-94)*			
Andhra Pradesh	81	94	59	545	950
Arunachal Pradesh	85	96	82	5448	3786
Assam	60	97	44	614	1411
Bihar	58	70	41	446	623
Gujarat	73	83	55	483	877
Haryana	41	90	27	306	1013
Himachal Pradesh	59	91	56	1080	2346
Jammu & Kashmir	51	89	33	553	2234
Karnataka	79	96	53	484	1446
Kerala	53	95	13	204	1301
Madhya Pradesh	76	96	56	621	1673
Maharashtra	67	82	59	522	776
Manipur	75	96	40	1157	1635
Meghalaya	93	94	86	2558	2282
Mizoram	98	99	97	6688	1532
Nagaland	98	99	67	2972	2816
Orissa	75	91	62	944	1290
Punjab	69	74	24	550	841
Rajasthan	34	94	21	267	1368
Sikkim	69	74	53	1805	1832
Tamil Nadu	70	93	61	497	816
Tripura	51	97	31	427	1417
Uttar Pradesh	51	88	33	416	813
West Bengal	51	73	38	324	742
India	**62**	**87**	**45**	**500**	**1015**

4.4.8 The average quantity of annual consumption from the 50th round and the average quantity of annual collection of fuelwood from the present survey for different States reveal a distinct positive relationship (Figure 3). The case of Mizoram, however, stands out as a notable exception. The ratio between quantity collected from CPRs and quantity consumed indicates the level of dependence on CPRs for supply of fuelwood. Figure 3 indicates that the level of dependence varies little across the States, except in the four north-eastern States of Mizoram, Nagaland, Meghalaya and Arunachal Pradesh. In these States, the estimates indicate that all fuelwood that is collected is not consumed in the rural

areas of the respective States. The very high value of average quantity of collection in Mizoram, however, suggests presence of some unusually high values of collection in the data of the present survey for this State.

Figure 3

Scatter of State-level of estimates of average annual consumption and collection of fuelwood



4.4.9 Inter-zone variation in use and collection of fuelwood: Statement 15 gives the survey estimates relating to use of fuelwood and collection from CPRs separately for the agro-climatic zones. Both the percentage of households using fuelwood and that of households collecting fuelwood were found to be relatively high in the A-C zones (refer Section 5) WHm, EHg, DP, GC and Isl. On the other hand, the percentage of households using fuelwood as well as that of collecting fuelwood was relatively low in the A-C zones LG, MG and TD. In addition to these, low percentages of households collecting fuelwood were also reported in the A-C zones WC, TG and UG as well. The estimates of per household quantity of annual collection of fuelwood from CPRs, given in the table, show a wide variation across the A-C zones. The three highest averages were reported in the A-C zones WHm (1203 kg), EHm (911 kg) and EHg (848 kg). The average was lowest for the A-C zone TD. Relatively low averages were also reported in the three Gangetic zones LG (260 kg), MG (338 kg) and TG (283 kg).

Statement 15: Percentages of households using fuelwood and reporting collection of fuelwood from CPRs and average value of annual collections per household

agro-climatic zone	percentage of households		average quantity collected per household (kg)
	using fuelwood	collecting fuel-wood from CPRs	
Western Himalayas (WHm)	73	67	1203
East Himalayas & Bramhaputra Valley (EHm)	57	43	911
Lower Gangetic Plains (LG)	50	34	260
Middle Gangetic Plains (MG)	46	32	338
Trans-Gangetic Plains (TG)	53	26	283
Upper Gangetic Plains (UG)	54	24	415
Eastern Plateau & Hills (EHg)	78	71	848
Central Plateau & Hills (CHg)	62	45	485
Western Plateau & Hills (WHg)	69	57	516
Southern Plateau & Hills (DP)	80	64	565
East Coast Plains & Hills (EG)	69	48	465
West Coast Plains & Hills (WC)	59	27	358
Gujarat Coast Plains & Hills (GC)	73	55	480
Western dry region (TD)	45	11	219
all Islands (Isl)	74	64	822
India	**62**	**45**	**500**

4.4.10 The experiences of the Integrated Rural Energy Planning Programme (IREP) reveal that the non-commercial sources of energy contribute more than 90% of the total energy consumption for cooking in the rural areas of all the A-C zones, except EG and the Gangetic A-C zones. Based on the data on consumption of fuelwood in the 250 blocks covered under this programme in the VIIth Plan, average per capita annual consumption of fuelwood was estimated for each of the A-C zones. Statement 16 gives the estimates of per capita annual consumption of fuelwood obtained from IREP as well as those obtained from the present survey. It shows that for the three zones WHm, EHm and EHg where the per capita collection was estimated to be very high, the per capita consumption too was estimated to be high in the IREP. However, though the per capita consumption was estimated relatively high in the zones WC and TD, the per capita collection in these two zones was estimated to be quite low.

Statement 16: Comparison between per capita annual collection (kg) of fuelwood from CPRs estimated in the NSS 54th Round and per capita annual consumption (kg) of fuelwood estimated in IREP for each agro-climatic zone

agro-climatic zone	quantity collected per household	average household size (0.00)	per capita collection *(NSS 54th Rd.)*	per capita consumption (IREP*)
Western Himalayas (WHm)	1203	5.00	241	710
East Himalayas & Bramhaputra Valley(EHm)	911	5.08	179	621
Lower Gangetic Plains (LG)	260	5.02	52	-
Middle Gangetic Plains (MG)	338	5.69	59	275
Trans-Gangetic Plains (TG)	283	5.61	50	136
Upper Gangetic Plains (UG)	415	5.38	77	130
Eastern Plateau & Hills (EHg)	848	4.78	177	582
Central Plateau & Hills (CHg)	485	5.23	93	-
Western Plateau & Hills (WHg)	516	5.10	101	288
Southern Plateau & Hills (DP)	565	4.36	130	225
East Coast Plains & Hills (EG)	465	4.28	109	218
West Coast Plains & Hills (WC)	358	4.57	78	469
Gujarat Coast Plains & Hills (GC)	480	4.95	97	336
Western dry region (TD)	219	5.75	38	394
all Islands (Isl)	822	4.41	164	-
India	**500**	**5.04**	**99**	-

4.4.11 Use of fuelwood and its collection form CPRs by population-size of villages: To examine whether level of development of a village is an underlying factor determining the extent of use and collection of fuelwood, the estimates of percentage of households reporting use and those reporting collection are given in statement 17 by size-class of population of the villages, which is known to be a good proxy for the level of development of a village. The estimates clearly reveal that the smaller the population of a village the more extensive is the use as well as collection of fuelwood. This indicates that dependence on fuelwood as a source of energy tends to be higher in less populated villages.

Statement 17 : Use of fuelwood and collection of fuelwood from CPRs by population size-class of villages

population size-class of villages	percentage of households reporting	
	use of fuelwood	collection of fuel-wood from CPRs
less than 100	93	88
100 - 200	78	71
201 - 600	66	53
601 - 1200	64	48
1201 – 2000	61	45
2001 - 5000	60	41
5001 & above	55	37
All	**62**	**45**

4.5 Fodder from CPR

4.5.1 Dependence on CPR for livestock rearing: It is observed from the estimates given in statement 18, that rural India depends significantly for livestock rearing on CPRs viz., village forests, common grazing land, village site and thresing floor, barren or waste land etc. At the all-India level, while 56% of rural households reported possession of livestock, 20% of the households depended on CPR land for grazing of livestock, 13% of the households collected fodder from CPRs and only a small percentage (2%) of households reported cultivation of fodder on CPR land.

Statement 18: Dependence on CPR for livestock rearing

item	estimates
precentage of households	
possessing livestock	56
collecting fodder from CPR	13
reporting grazing on CPR	20
cultivation of fodder	2
Average quantity of fodder collected (kg) from CPRs	275

4.5.2 The discussion in the subsequent paragraphs deals with survey results relating to wide variations that exist among the States (Statement 19), among the different agro-climatic zones (Statement 21), category of households (Statement 20), population size class of villages (Statement 22) etc., in terms of percentage of households possessing livestock, accessability of CPR lands and forest for rearing the livestock with respect to grazing of livestock and collection of fodder, and average quantity of fodder collected from the CPR. And as expected, marked variation also is observed among the category of households and size-classes of the village and with respect to dependence on CPRs for rearing of livestock.

4.5.3 Inter-State Variation: Statement 19 gives the State-level estimates of important parameters indicating the extent of use of CPRs for rearing livestock along with the percentage of households possessing livestock. It is observed from the Statement that same States are highly dependent on CPRs for rearing of livestock, in terms of collection of fodder and grazing of livestock on CPR land. States like Rajasthan(84%), Himachal Pradesh(81%), Uttar Pradesh(72%), Madhya Pradesh(68%) and Orissa(58%) reported relatively high percentages (all above the national average of 56%) of possession of livestock. High percentages of households of these States reported use of CPR land for grazing of livestock (34%, 43%, 30%, 62%, 60%). Besides, reported percentages of households possessing livestock in Haryana, Himachal Pradesh, Sikkim and Uttar Pradesh are quite high and relatively high percentages of households (26%, 36%, 33%, 23% respectively) reported collection of fodder from CPR land. Average quantity of fodder collection is also very high in these States. Haryana and Sikkim reported yearly collection of 1743 kg, 1401 kg of fodder respectively indicating dependence on CPR for rearing of livestock. Interestingly, in Punjab, though collection of fodder from CPR is quite high (1095 kg), grazing on CPR land is lowest; only 1% households reported grazing of livestock on CPR land and 18% households reported collection of fodder from CPR land.

Statement 19:Extent of use of CPRs for livestock rearing in different States

State	percentage of households				avg. qty collected (kg)	forest within reach	% of hhs having access to CPR (0.10 ha more)
	posse-ssing live-stock	reporting grazing	possessing livestock-and reporting grazing	collecting fodder			
Andhra Pradesh	36	14	38	12	143	38	20
Arunachal Pradesh	68	26	38	6	44	84	10
Assam	62	24	38	15	180	41	5
Bihar	52	16	30	13	177	27	4
Gujarat	59	25	42	8	207	31	51
Haryana	74	15	20	26	1743	29	6
Himachal Pradesh	81	35	43	36	906	80	4
Jammu & Kashmir	81	25	31	3	48	55	15
Karnataka	56	25	44	16	179	41	25
Kerala	32	3	9	5	63	19	1
Madhya Pradesh	68	42	62	9	205	57	28
Maharashtra	46	11	24	11	207	54	18
Manipur	39	11	28	6	217	42	9
Meghalaya	37	6	16	2	51	92	5
Mizoram	55	5	10	21	214	100	0
Nagaland	86	16	18	22	259	65	20
Orissa	58	35	60	7	57	70	8
Punjab	55	1	2	18	1095	06	4
Rajasthan	84	28	34	3	59	35	52
Sikkim	61	2	3	33	1401	86	3
Tamil Nadu	29	9	30	7	156	43	16
Tripura	36	4	10	1	26	69	0
Uttar Pradesh	72	22	30	23	579	28	13
West Bengal	54	17	31	9	55	22	1
India	**56**	**20**	**35**	**13**	**275**	**38**	**63**

4.5.4 On the other hand, in States of the north-eastern region, viz., Meghalaya, Mizoram, Nagaland and Tripura, a majority of households (92%,100%, 65% and 69%, respectively) have access to CPR land under forest but are not greatly dependent on CPRs for grazing of livestock or for collection of fodder. Moreover, except for Nagaland where 86% of households reported possession of livestock, percentages of livestock-possessing households in these States are low. Accessibility to CPR land thus does not imply a high degree of dependence on CPRs for rearing of livestock.

4.5.5 In case of Arunachal Pradesh and Orissa, in spite of high accessibility to forest area, collection of fodder reported is unexpectedly low in terms of quantity collected and number of households collecting fodder. In Haryana and Punjab accessibility to forest and non-forest area is not significant, only 35% and 10% of households reported accessibility to CPRs but both the States reported high value in terms of average quantity of fodder collected.

Statement 20: Use of CPRs for livestock rearing by category of households

category of households	percentage possessing livestock	percentage reporting collection of fodder	Avg. quantity of fodder collected (kg)
rural labour	42	13	294
other with land possessed (ha)			
less than 0.20	25	8	200
0.20 - 0.50	66	17	305
0.50 - 1.00	80	18	338
1.00 – more	88	11	251
other: all	66	12	261
All	**56**	**13**	**275**

4.5.6 Variation in possession of livestock and collection of fodder by category of households: Statement 20 gives percentages of households possessing livestock and reporting collection of fodder, and average quantity of fodder collected for each category of households. The table reveals that the households possessing less than 0.20 ha land are the lowest placed in terms of possession of livestock (25%), collection of fodder (8%), and average quantity of fodder collected per household (200 kg) from CPRs. For all other categories of households, percentage of households reporting possession of livestock increases steadily with the increase in possession of land and the same kind of relation is found in case of percentage of households reporting collection of fodder from CPRs and average quantity of fodder collected from CPRs.

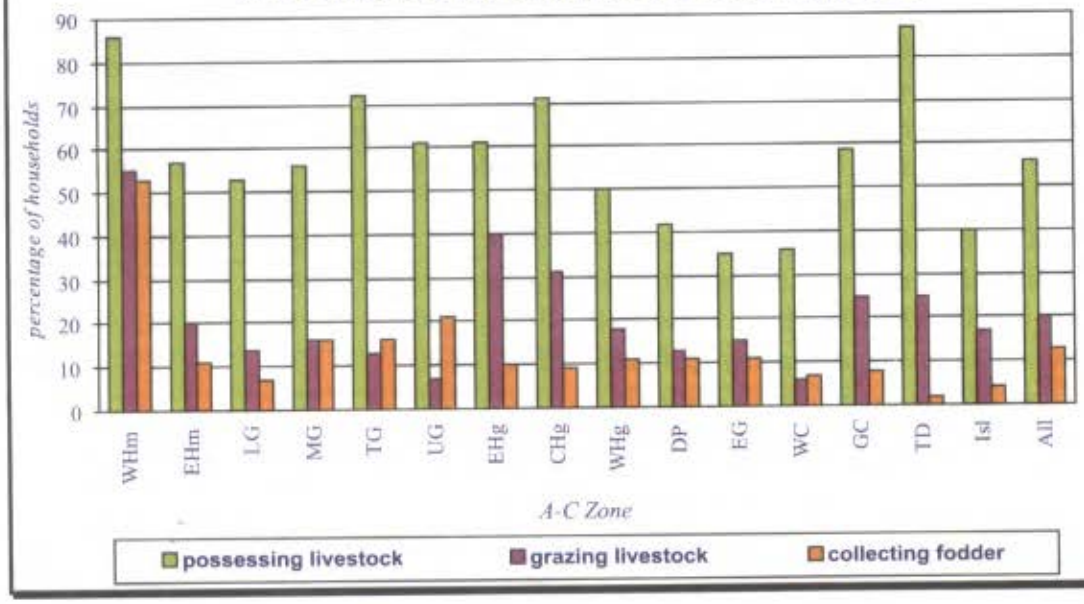
4.5.7 But the fifth category of households (possessing 1.00 ha or more land) is an exception, where both the percentage of households (66%) and average quantity of fodder collected from CPRs is relatively low(251 kg). This indicates that large land owning households do not greatly depend on CPR for rearing of livestock. But in general possession of livestock is positively associated with possession of land. (It is already observed that rural poor depends to a large extent on the materials available from CPRs for their subsistence).

Statement 21: Use of CPRs for rearing of livestock in different A-C zones

agro-climatic zone	p.c. of households reporting			p.c. of hhs. residing in villages with		
	possession of livestock	grazing of livestock	collection of fodder	av. qty collected kg	forest within reach	CPR per hh. (0.1 ha or more)
Western Himalayas (WHm)	86	55	53	1273	83	6
East Himalayas & Bramhaputra Valley(EHm)	57	20	11	147	47	4
Lower Gangetic Plains (LG)	53	14	7	47	21	1
Middle Gangetic Plains (MG)	56	16	16	267	16	8
Trans-Gangetic Plains (TG)	72	13	16	510	18	14
Upper Gangetic Plains (UG)	61	7	21	1343	16	4
Eastern Plateau & Hills (EHg)	61	40	10	62	70	9
Central Plateau & Hills (CHg)	71	31	9	204	53	34
Western Plateau & Hills (WHg)	50	18	11	231	43	27
Southern Plateau & Hills (DP)	42	13	11	153	44	16
East Coast Plains & Hills (EG)	35	15	11	139	34	20
West Coast Plains & Hills (WC)	36	6	7	78	38	2
Gujarat Coast Plains & Hills (GC)	59	25	8	205	31	51
Western dry region (TD)	87	25	2	106	30	50
all Islands (Isl)	40	17	4	15	88	-
India	**56**	**20**	**13**	**275**	**38**	**16**

Figure 4

Inter-zone variation in possession of livestock, grazing of livestock and cultivation and collection of fodder from CPR



4.5.8 Inter-zone variation: Statement 21 gives for different agro-climatic zones, the percentages of households possesssing livestock, reporting grazing of livestock on CPR land, and collection of fodder from CPRs, access to forest, and households residing in villages having 0.1 ha or more of CPR land per household. It also provides the estimates of average quantity of fodder collected from CPR land per household. Wide variation observed across the A-C zones in respect of all these parameters is discussed here.

4.5.9 Except for the A-C zone WHm, EHg, and CHg, where dependence on CPRs is notably high, in terms of utilisation of CPR land for grazing of livestock and accessibility to CPR, rearing of livestock is not entirely dependent on the availability of CPR land in general. In these three regions respectively 86%, 61% and 71% of households reported possession of livestock, 55%, 40% and 31% of the households reported grazing of livestock on CPR land and 83%, 70% and 53% reported accessibility to CPR land. Even within these three regions, a marked difference exits in respect of percentages of households collecting fodder from CPRs and the quantity of fodder collected. In WHm, 53% of households reported collection of fodder from CPRs, in EHg only 10% and in CHg, 9% of households were involved in such activity.

4.5.10 In the A-C zones EHm, LG, MG, TG and UG, high concentration of CPR land other than forest is found where percentage of households possessing livestock is high, but percentage of households collecting fodder from CPRs and utilisation of CPRs for grazing of livestock is below the national average with the exception of UG. In case of UG, which is a higly developed agricultural region, average quantity of fodder collected form CPR is exceptionally high(1343 kg), almost 5 times the national average but accessibilty to forest area or households residing in villages with 0.10 ha or more CPR land is remarkably low, which indicates that except for collection of fodder no other aspect of livestock rearing is greatly dependend on the CPRs. In spite of concentration of non-forest CPR land observed in the regions WHg, DP, EG, WC, GC and TD, where the percentages of households possessing livestock are relatively high, the percentages of households reporting grazing and collection of fodder from the CPR are relatively low. In general, dependence of rearing of livestock on CPRs is not very pronounced across regions.

4.5.11 Variation in use of CPR for livestock rearing across size-class of villages: Statement 22 reveals a close relationship between the population size-class of villages and their dependence on CPRs for rearing of livestock. It is seen that in the smallest size-class (population size less than 100) the percentages of households reporting possession of livestock (82%), collection of fodder from CPR land (73%) and used CPR land for grazing of livestock (60%) were higher than those for all the other size-classes. The corresponding percentages were only 37%, 10% and 9% of the households in the highest size-class. This trend indicates indispensability of CPR for subsistence and accessibility of CPR in the thinly populated areas of the country at large.

Statement 22 : Use of CPRs for livestock rearing by population size class of villages

population size-class	percentage of households reporting possession of live-stock	grazing of live-stock	collection of fodder
less than 100	82	73	60
100 - 200	72	42	23
201 - 600	70	29	15
601 - 1200	64	26	14
1201 - 2000	58	20	12
2001 - 5000	50	14	12
5001 & above	37	10	9
all	**56**	**20**	**13**

4.5.12 Grazing in CPR land, forests and other land in different agro-climatic zone: The estimates given in statement 23 reveal that utilisation of CPR land as well as forests for rearing livestock is more pronounced for the A-C zones WHm, EHg and CHg where 55%, 40% and 31% of households respectively reported grazing on CPR land or village forest or government forest. And the role of village forest for rearing of livestock in the country is not at all vital except for the A-C zone EHg where 10% of the households reported dependence on village forest for rearing. At the all-India level, only 2% of the households reported use of village forest for this purpose. In fact EHg is the only A-C zone where a uniform distribution of households for grazing of livestock over the type of CPR lands was found. And WHm is the only A-C zone where government forest was found to be of great importance in respect of rearing of livestock . In this A-C zone 45% of the households reported grazing of livestock on government forest but only 3% reported use of village forest for this purpose.

Statement 23: Percentages of households reporting grazing of livestock on different types of CPR land and forests

agro-climatic zone	type of CPR land			govt. forest	other	all
	village forest	other	all			
Western Himalayas (WHm)	3	36	39	45	14	55
East Himalayas & Bramhaputra alley(EHm)	1	11	11	2	11	20
Lower Gangetic Plains (LG)	0	3	3	1	14	14
Middle Gangetic Plains (MG)	1	8	8	1	12	16
Trans-Gangetic Plains (TG)	0	7	7	0	8	13
Upper Gangetic Plains (UG)	0	4	4	0	5	7
Eastern Plateau & Hills (EHg)	10	20	24	16	29	40
Central Plateau & Hills (CHg)	2	19	20	8	16	31
Western Plateau & Hills (WHg)	1	8	9	3	12	18
Southern Plateau & Hills (DP)	0	6	6	2	9	13
East Coast Plains & Hills (EG)	1	10	10	1	10	15
West Coast Plains & Hills (WC)	1	1	2	2	4	6
Gujarat Coast Plains & Hills (GC)	2	23	23	3	12	25
Western dry region (TD)	0	20	20	3	5	25
All Islands (Isl)	2	1	2	13	10	17
India	**2**	**11**	**12**	**5**	**12**	**20**

4.6 Common Property Water Resources

4.6.1 Typically an Indian village has a number of water sources of different types, which are used by the villagers for a variety of purposes. Besides meeting the domestic needs, such as drinking, cooking, washing etc., the sources are used for irrigation, feeding and washing livestock, fishing and for other household enterprises. Many of these are privately owned, while the rest are usually meant for community use. The sources belonging to the latter category are either held by the village community as a whole or a caste- or religion- or occupation-based community or a community on the traditional social order or community of persons residing in a geographical location. There are also sources of water which are either constructed by or lie within the jurisdiction of a government department. All such sources, whether or not under the control of a community or a local body of the village, but not held by individual households, were treated a common water resources.

4.6.2 It is important to note that for collection of data on availability of common property water resources (CPWRs) only the common water resources were considered. But, for collection of data on use, a broader definition of CPWRs was adopted. By this definition, all privately owned water resources which were used as common property by the villagers were also treated as CPWRs. The estimates of the present survey, however, suffer from a serious limitation in this respect. Privately owned water resources were to be considered as CPWRs only when the resources were available for use of the villagers free of cost. Thus, the cases of use of water resources of 'other households' reported in the survey represent both kinds of use. Tables 26.1 & 26.2 of Part II give separate estimates of percentage of households using CPWRs for each type of ownership and management. In these tables, therefore, the estimates of households using water resources owned by 'other households' are given separately. For the other four tables on use of CPRs given in Part II, however, use of water resources owned by 'other households' was treated as use of CPWRs.

4.6.3 Availability of CPWRs: The CPWRsplay an important resource-augmenting role in the private-property based farming involving production of crops, rearing of livestock, etc. To assess the availability of such resources, data on the number of tanks, ponds and lakes, which were not used mainly for domestic use and were within the boundary of the surveyed villages were collected in the survey. Data were also collected on presence of local management of CPWRs - either local self-government (like *panchayat*) or any functionally effective local-level system for managing CPWRs. The percentage distribution of households by availability of CPWRs given in statement 24 is based on these village-level data collected in the survey.

Statement 24: Percentage distribution of households by availability of community and government water resources in villages of their residence and presence of local management of CPRs

agro-climatic zone	villages with local management and source belonging to			villages without local management and source belonging to			none
	community only	govt. only	both	community only	govt. only	both	
Western Himalayas (WHm)	1	2	2	10	11	3	73
East Himalayas & Bramhaputra Valley(EHm)	1	1	0	21	8	4	65
Lower Gangetic Plains (LG)	4	3	2	10	9	2	71
Middle Gangetic Plains (MG)	2	2	2	23	11	5	56
Trans-Gangetic Plains (TG)	4	0	0	29	9	4	54
Upper Gangetic Plains (UG)	2	0	0	29	8	11	51
Eastern Plateau & Hills (EHg)	7	2	1	38	10	11	31
Central Plateau & Hills (CHg)	3	3	2	19	12	5	57
Western Plateau & Hills (WHg)	1	4	1	13	17	6	58
Southern Plateau & Hills (DP)	7	8	6	25	13	10	32
East Coast Plains & Hills (EG)	13	8	10	25	10	13	22
West Coast Plains & Hills (WC)	1	2	3	25	13	9	46
Gujarat Coast Plains & Hills (GC)	3	3	2	26	9	10	47
Western dry region (TD)	1	0	0	40	14	2	43
all Islands (Isl)	0	0	4	15	11	9	61
India	**4**	**3**	**3**	**24**	**11**	**7**	**48**

4.6.4 All water resources under formal control of local organisations like cooperatives, *pani panchayats* or any other formal farmer's association for their management were treated as community resources. This category also included the irrigation tanks and other tanks and ponds whose management was formally assigned to the village *panchayat*. 'Government water resources' in statement 24 include all tanks, ponds and lakes under the direct control of the Public Works Department or Minor Irrigation Department and all those located on unassessed revenue land or land under forest department.

4.6.5 Statement 24 reveals that about 52% of the rural households in India resided in villages with at least one common source of water like ponds, tanks and lakes meant for non-domestic uses. It also shows that about 10% of the rural households resided in villages with some system of local management of CPWRs. Community water resources were available to about 38% of the households, and government water resources to 24%.

4.6.6 Availability of CPWRs and presence of local management vary widely over the agro-climatic zones. The availability of common property water resources like ponds, tanks and lakes for non-domestic use were found to be the highest in the A-C zone 'East Coast Plains & Hills (EG). About 78% households of this zone resided in villages with at least one such resource. The availability was relatively high in the A-C zone EHg (70%) and DP (68%) as

well. Again presence of local management was found to be most common in the A-C zone EHg. In this zone, about 30% of the households resided in villages having local organisations for management of CPWRs. The percentage was relatively high in A-C zone DP(20%) and EHg (10%).

4.6.7 Non-domestic use of CPWRs: The percentages of households reporting different kinds of use of water resources not owned by the surveyed households in statement 25 reflect the role of CPWRs in the economy of the rural population. About 30% and 23% of the households of rural India were found to use these resources respectively for livestock rearing and irrigation. For each of the other activities, 'other household enterprises' and 'fishing', use of these resources was reported by only about 3% of the households.

Statement 25 : Percentages of housheolds reporting different use of water resources (other than self-owned) different agro-climatic zones

agro-climatic zone	for irrigation	for livestock rearing	for household enterprise	for fishing
Western Himalayas (WHm)	26	70	3	0
East Himalayas & Bramhaputra Valley(EHm)	10	22	6	25
Lower Gangetic Plains (LG)	25	23	2	5
Middle Gangetic Plains (MG)	44	22	3	1
Trans-Gangetic Plains (TG)	45	33	1	0
Upper Gangetic Plains (UG)	19	31	2	0
Eastern Plateau & Hills (EHg)	17	43	7	6
Central Plateau & Hills (CHg)	19	44	3	0
Western Plateau & Hills (WHg)	10	29	2	0
Southern Plateau & Hills (DP)	14	22	2	0
East Coast Plains & Hills (EG)	18	22	4	2
West Coast Plains & Hills (WC)	7	13	0	1
Gujarat Coast Plains & Hills (GC)	20	36	1	0
Western dry region (TD)	13	53	1	0
all Islands (Isl)	2	6	1	1
India	**23**	**30**	**3**	**3**

4.6.8 The two highest percentages of households using CPWRs for livestock rearing were reported for the A-C zones WHm(70%) and TD(53%). It was relatively high in the A-C Zones CHg(44%) and EHg(43%) as well. As for use of CPWRs for irrigation, the percentages of households using CPWRs were estimated to be very high in the A-C zones TG(45%) and MG(44%). In the A-C zones WHm(20%) and LG(25%) too, the percentage was relatively high. The high percentages of households using CPWRs for irrigation in the Gangetic A-C zones LG, MG and TG perhaps owe to high percentages of households using water resources of other households. Statement 26 reveals that about 35% of the households were using water resources of other households in the A-C Zones MG and TG. In the A-C zone LG too, 14% of the

households reported use of water resources belonging to other households. These estimates indicate the limitation mentioned in paragraph 4.6.2. In agriculturally developed A-C Zones like MG, TG and LG, where multi-cropping depends greatly on availability of irrigation, it is quite unlikely that water resources owned by one household can be used as common property by other households.

Statement 26: Number (per 1000) of households reporting use of water resources owned by different agencies for irrigation

A-C zone	serveyed household individually	serveyed household jointly	village *panchayat*	community	Govt*.	other households	river/govt. canal etc.	any source
WHm	12	7	3	8	27	1	227	280
EHm	73	8	5	22	9	17	64	147
LG	76	19	6	18	19	144	123	316
MG	155	26	2	7	22	343	127	549
TG	206	32	1	3	40	352	114	632
UG	179	53	12	2	6	60	135	326
EHg	57	14	16	22	30	47	86	222
CHg	187	117	8	10	11	71	99	439
WHg	128	48	7	1	3	20	74	252
DP	149	40	23	2	14	15	86	294
EG	77	18	39	8	26	13	122	259
WC	201	7	6	4	6	15	45	260
GC	156	56	12	4	9	115	79	386
TD	105	87	1	1	1	37	92	310
Isl	40	-	11	-	6	1	1	59
All	**133**	**37**	**11**	**8**	**18**	**116**	**103**	**359**

*tanks/well/tubewell

4.6.9 Statement 26 shows that the percentage of households using water resources of 'other households' for irrigation was higher than 5% in all the Gangetic A-C Zones, CHg and GC. It appears that the estimates of percentage of households using water resources not owned by the surveyed household for irrigation, given in statement 25, do not reflect the extent of use of CPWRs for irrigation in these A-C zones. Leaving these A-C zones apart, it is seen from statement 25 that CPWRs played a very important role in irrigating land in the A-C zone WHm. A number of traditional systems of diversion channels, like *Kuhls* in Jammu and Himachal Pradesh and Tehri-Garhwal region of Uttar Pradesh, is known to be prevalent in this A-C zone. Relatively low percentage of households residing in villages with community and government tanks, ponds and lakes (Statement 24) together with relatively high percentage of households reporting use of CPWRs for irrigation (Statement 25) suggests that the traditional stream and diversion channel based systems continue to be the major source of irrigation in this zone. Among the other A-C zones, relatively high use of CPWRs for irrigation was found in EG(18%), EHg(17%), DP(14%) and TD(13%).

4.6.10 Use of CPWRs by different category of households: Statement 27 gives the percentage of households reporting use of water resources not owned by them for irrigation and livestock rearing separately for each category of households. Both for irrigation and livestock rearing, it is seen, percentages of rural labour households using such water resources were much smaller than those of the category 'other households'. Within the category 'other households', on the other hand, the higher land holding category, the lower was the percentage of households using water resources not owned by them for irrigation and livestock rearing.

Statement 27: Percentages of housheolds reporting use of water resources (other than self-owned) fo rirrigation and livestock rearing by category of households

category of housholds	for irrigation	for livestock rearing
rural labour	14	24
other households possessing land:		
less than 0.20	8	12
0.20 - 0.50	46	34
0.50 - 1.00	43	42
1.0 or more	33	47
others: all*	*30*	*34*
all households	23	30

* *others: all* stands for households other than rural labour households

SECTION 5

A Note on Delineation of Agro-climatic Zones for presentation of results of the survey on Common Property Resources, NSS 54th Round

In order to study rural economy of the country the Planning Commission (P.C.) has delineated 15-Agro-climatic zones in the country primarily based on soil, climatic condition and availability of water resources so that each may be considered as a single homogenous spatial unit for agricultural growth and development. In recent years, a large number of case studies and medium- scale surveys on Common Property Resources (CPR) have been conducted by scholars. They have shown that availability and utilisation of CPR vary widely over the regions even within a state. From this perspective, estimates of various parameters relating to Common Property Resources obtained from the 54th Round of NSSO have been given separately for different agro-climatic zones of the country. While delineating different agroclimatic zones the P.C. has taken the district as the ultimate units forming a zone.

In the absence of complete information on the composition of different agro-climatic zones in terms of the districts, NSSO had to identify on its own the districts belonging to different zones by blowing up a small map showing approximate boundaries of different zones available from a paper by H.G.Hanumappa, of Indian Institute of Social and Economic Change, Bangalore and matching it with latest available India-Administrative-1:6m map produced by National Atlas Thematic Mapping Organisation, Deptt. of Science and Technology, Govt. of India. The list of districts belonging to different agro-climatic zones was prepared. Some doubtful cases, mostly on the boundaries between the zones, were resolved by consulting NATMO's Soil, Climate, Drainage and Physiographic maps of the relevant area. Viz. Bilaspur, Mandla, Balaghat in Madhya Pradesh, Chandrapur, Raigarh, Ratnagiri, Sindhudurg, Nagpur, Bhandara in Maharashtra, Bankura, Purulia in West Bengal.

The composition of the regions, in terms of the list of districts belonging to respective agro-climatic region within a state are given in the following pages.

The list of Agro-climatic Zone

Zone	State	Districts
Western Himalayas (WHm)	HIMACHAL PRADESH	entire state
	JAMMU & KASHMIR	entire state
	UTTAR PRADESH	CHAMOLI, DEHRADUN, GARHWAL, NAINITAL, PITHORAGARH, TEHRI GARHWAL, UTTARKASHI, ALMORA
Eastern Himalayas (inc. N.E.Hills) and Bramhaputra Valley(EHm)	ARUNACHAL PRADESH	entire state
	ASSAM	entire state
	MANIPUR	entire state
	MEGHALAYA	entire state
	MIZORAM	entire state
	NAGALAND	entire state
	TRIPURA	entire state
	WEST BENGAL	KOCHBIHAR, JALPAIGURI, DARJILING
	SIKKIM	entire state

Zone	State	Districts
Lower Gangetic Plains (LG)	WEST BENGAL	BARDDHAMAN, HAORA HUGLI, MEDINIPUR, MURSHIDABAD, NADIA, NORTH TWENTY FOUR PARGANAS, SOUTH TWENTY FOUR PARGANAS, BANKURA
Middle Gangetic Plain (MG)	BIHAR	AURANGABAD, ANKA, ABUA, BUXAR, BEGUSARAI, BHAGALPUR, BHOJPUR, DARBHANGA, GAYA, GOPALGANJ, JAMUI, JEHANABAD, KATIHAR, KHAGARA, KISHANGANG, MADHEPURA, MADHUBANI, MUNGER, MUZAFFARPUR, NALANDA, NAWDA , PASCHIMCHAMPARAN, PATNA, PURBA CHAMPARAN, PURNIA, RHOTAS, SUPAUL, SAHARSA, SAMASTIPUR, SARAN, SITAMARHI, SIWAN, VAISHALI, ARARIA, GODDA, SAHIBGANJ
	UTTAR PRADESH	AZAMGARH, BALLIA, BAHRAICH, BARABANKI, BASTI, DEORIA, FAIZABAD, GHAZIPUR, GONDA, GORAKHPUR, JAUNPUR, MAHARAJGANJ, MAU, MIRZAPUR, PRATAPGARH, SIDDHARTHNAGAR, SONBHADRA, VARANASI, ALLAHABAD
Trans-Gangetic Plains (TG)	UTTAR PRADESH	ALIGARH, BAREILLY, BIJNOR, BUDAUN, BULANDSHAHR, ETAH, ETAWAH, FARRUKHABAD, FATEHPUR, FIROZABAD, MATHURA, MEERUT, MORADABAD, MUZAFFARNAGAR, PILIBHIT, RAE BARELI, RAMPUR, SAHARANPUR, SHAHJAHANPUR, SITAPUR, SULTANPUR, UNNAO, AGRA, HARDWAR, GHAZIABAD, MAINPURI, KHERI, HARDOI, LUCKNOW, KANPUR DEHAT, KANPUR NAGAR, JALAUN, JHANSI
Upper Gangetic Plain (UG)	HARYANA)	entire state
	PUNJAB	entire state
	DELHI	DELHI
Eastern Plateau Hills(EHg)	BIHAR	CHATRA, DEOGHAR, DHANBAD, DUMKA,GARHWA, GIRIDIH, GUMLA, BOKARO, HAZARIBAGH, KODARMA, LOHARDANGA, PAKUR, PASHCHIM SINGHBHUM, PURBI SINGHBHUM, PALAMAU, RANCHI,

Zone	State	Districts
	MADHYA PRADESH	BASTAR,DURG, MANDLA, RAIGARH, RAIPUR, RAJNANDGAON, TIKAMGARH, BALAGHAT
	MAHARASHTRA	GADCHIROLI , CHANDRAPUR
	ORISSA	BARGARH, BOUDH, DEOGARH, JHARSUGUDA, KORAPUT, MALKANGIRI, NAWAPARA, NAWARANGAPUR, RAYAGADA, SONEPUR, BALANGIR, DHENKANAL, KALAHANDI, KENDUJHAR, MAYURBHANJ, PHULBANI, SAMBALPUR, SUNDARGARH, ANGUL
	WEST BENGAL	MALDAH, PURULIYA, WEST DINAJPUR, BIRBHUM
Central Plateau and Hills (CHg)	MADHYA PRADESH	BHOPAL, BILASPUR, CHHATARPUR, CHHINDWARA, DAMOH, DATIA, DHAR, EAST NIMAR (KHANDWA), GUNA, GWALIOR, INDORE, JABALPUR, KHARGONE, MANDSAUR, NARSIMHAPUR, PANNA, RAISEN, RAJGARH, RATLAM, REWA, SEHORE, SAGAR, SATNA, SEONI, DEWAS, SHAHDOL, SHAJAPUR SHIVPURI, SURGUJA, SIDHI, UJJAIN, VIDISHA
	RAJASTHAN	ALWAR, BANSWARA, BARAN, BHARATPUR, BHILWARA, BUNDI, PALI, SAWAI MADHOPUR, SIKAR, AJMER, TONK, UDAIPUR, RAJSAMAND, KOTA, JHALWAR, CHITTAURGARH, DAUSA, DHAULPUR, DUNGARPUR, JAIPUR
	UTTAR PRADESH	HAMIRPUR, LALITPUR, BANDA
	MAHARASHTRA	WARDHA, NAGPUR, BHANDARA
Western Plateau and Hills (WHg)	KARNATAKA	BIDAR, BIJAPUR, CHITRADURGA, DHARWAD, GULBARGA, RAICHUR, BELLARY
	MADHYA PRADESH	DEWAS, JHABUA, BETUL, HOSANGABAD, MORENA
	MAHARASHTRA	AKOLA, AMRAVATI, AURANGABAD, BID, BULDANA, DHULE, JALGAON, JALNA, KOLHAPUR, PUNE, PARBHANI, OSMANABAD, LATUR, NANDED, NASHIK, SANGLI, SATARA, SOLAPUR, YAVATMAL, AHMADNAGAR

Zone	State	Districts
Southern Plateau and Hills(DP)	ANDHRA PRADESH	ANANTAPUR, CHITTOOR, CUDDAPAH, KARIMNAGAR, KHAMMAM, KURNOOL, MAHBUBNAGAR, MEDAK, NALGONDA, NIZAMABAD, RANGAREDDY, WARANGAL, ADILABAD
	KARNATAKA	BANGALORE RURAL, BELGAUM, KOLAR, MANDYA, MYSORE, TUMKUR, BANGALORE, HASSAN
	TAMIL NADU	DHARMAPURI, KAMARAJAR, MADURAI, PASUMPONMUTHURAMALINGATHEVAR, PERIYAR, SALEM, TIRUCHCHIRAPPALLI, COIMBATORE
East Coast Plains and Hills(EG)	ANDHRA PRADESH	GUNTUR, KRISHNA, NELLORE, PRAKASAM, SRIKAKULAM, VISAKHAPATNAM, EAST GODAVARI, VIZIANAGARAM, WEST GODAVARI
	ORISSA	GAJAPATI, JAGATSINGHPUR, JAJPUR, KENDRAPARA, KHURDA, NAYAGARH, BALESWAR, CUTTAK, GANJAM, PURI, BHADRAK
	TAMIL NADU	CHIDAAMBARANAR, NAGAPATTINAM-QUAID-E-MILLETH, NORTHARCOT AMBEDKAR, PUDUKKOTTAI, RAMANATHAPURAM, SOUTHARCOT VALLALAR, THANJAVUR, TIRUNELVELI KATTABOMMAN,TIRUVANNAMALAI-AMBUVARAYAR, VILLUPURAM, CHENGALPATTU
	PONDICHERRY	PONDICHERRY, KARAIKAL
West Coast Plains and Hills(WC)	KERALA	entire state
	MAHARASHTRA	RATNAGIRI,SINDHUDURG, RAIGARH, THANE
	TAMIL NADU	NILGIRI, KANYAKUMARI
	GOA	NORTH GOA, SOUTH GOA
	KARNATAKA	DAKSHIN KANNAD, UTTAR KANNAD, CHIKMAGALUR, KODAGU, SIMOGA
Gujarat Coast Plains and Hills(GC)	GUJARAT	entire state
	DADRA & N. HAVELI	DADRA & NAGAR HAVELI
	DAMAN	DAMAN
Western Dry Region (TD)	RAJASTHAN	BIKANER, CHURU, GANGANAGAR, JAISALMER, JALOR, JHUNJHUNUN, JODHPUR, NAGAUR, SIROHI, BARMER
All Islands.	LAKSHADWEEP	LAKSHADWEEP
	A & N ISLANDS	ANDAMANS, NICOBARS

PART – II

SURVEY RESULTS

1. **Survey Results on Cultivation Practices in India : NSS 54th Round (January 1998-June 1998)**

2. **Survey Results on Common Property Resources in India : NSS 54th Round (January 1998-June 1998)**

Survey Results on Cultivation Practices in Inida : NSS 54th Round (January 1998-June 1998)

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Table 1: Average area owned, net sown area (NSA), area cropped more than once and irrigated & unirrigated gross cropped area (GCA) under five major crops sown by households by size-class of ownership holding, 1997-98

size-class of ownership holding (ha)	average area (0.00 ha.) owned	net sown	cropped more than once	under five major crops* sown by households: irrigated	unirrigated	all	number of households: est. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Andhra Pradesh								
nil (<0.01)	-	0.02	0.01	0.02	0.00	0.03	42804	1998
00.01 - 00.20	0.04	0.04	0.01	0.04	0.01	0.04	24697	1257
00.21 - 00.50	0.36	0.33	0.11	0.31	0.11	0.42	15328	744
00.51 - 01.00	0.76	0.66	0.22	0.59	0.22	0.81	13766	639
01.01 - 02.00	1.41	1.26	0.42	1.17	0.37	1.53	11497	532
02.01 - 04.00	2.65	2.31	0.64	1.87	0.78	2.65	7233	358
04.01 - 10.00	5.40	4.68	1.33	3.91	1.52	5.43	3513	168
10.01 & above	16.99	13.19	1.98	8.34	5.20	13.54	495	25
all	0.67	0.59	0.17	0.50	0.19	0.69	119333	5721
Arunachal Pradesh								
nil (<0.01)	-	0.39	0.16	0.01	0.36	0.37	387	145
00.01 - 00.20	0.10	0.05	0.02	0.02	0.03	0.05	179	70
00.21 - 00.50	0.36	0.29	0.09	0.09	0.21	0.30	202	83
00.51 - 01.00	0.84	0.53	0.11	0.16	0.36	0.52	225	110
01.01 - 02.00	1.66	0.97	0.31	0.31	0.67	0.97	295	126
02.01 - 04.00	3.03	2.08	0.92	0.50	1.37	1.86	165	90
04.01 - 10.00	6.24	2.26	1.16	0.26	1.48	1.74	162	87
10.01 & above	17.68	8.24	4.27	-	5.60	5.60	11	8
all	1.52	0.87	0.36	0.17	0.61	0.78	1625	719
Assam								
nil (<0.01)	-	0.07	0.05	0.02	0.09	0.10	1965	194
00.01 - 00.20	0.09	0.03	0.01	0.00	0.03	0.04	10457	1013
00.21 - 00.50	0.34	0.23	0.11	0.06	0.25	0.31	5298	560
00.51 - 01.00	0.76	0.64	0.29	0.17	0.69	0.86	7270	636
01.01 - 02.00	1.44	1.26	0.47	0.27	1.31	1.58	7034	590
02.01 - 04.00	2.63	2.33	1.09	0.67	2.38	3.05	2570	208
04.01 - 10.00	4.87	4.45	2.28	1.27	4.81	6.09	520	42
10.01 & above	-	-	-	-	-	-	-	-
all	0.79	0.67	0.29	0.17	0.70	0.87	35114	3243

Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 1: Average area owned, net sown area (NSA), area cropped more than once and irrigated & unirrigated gross cropped area (GCA) under five major crops sown by households by size-class of ownership holding, 1997-98

size-class of ownership holding (ha)	average area (0.00 ha.) owned	net sown	cropped more than once	under five major crops* sown by households: irrigated	unirrigated	all	number of households: est. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bihar								
nil (< 0.01)	-	0.13	0.07	0.10	0.08	0.18	20316	988
00.01 - 00.20	0.05	0.05	0.03	0.05	0.02	0.07	59569	2976
00.21 - 00.50	0.37	0.38	0.26	0.43	0.16	0.59	24233	1268
00.51 - 01.00	0.78	0.78	0.52	0.87	0.34	1.21	20336	983
01.01 - 02.00	1.43	1.39	0.95	1.53	0.58	2.11	16094	790
02.01 - 04.00	2.71	2.67	1.89	3.31	0.77	4.08	6889	334
04.01 - 10.00	5.64	5.43	3.53	6.18	1.31	7.49	2313	111
10.01 & above	19.04	18.07	12.93	26.08	3.24	29.32	278	14
all	0.59	0.59	0.40	0.68	0.21	0.90	150028	7464
Gujarat								
nil (< 0.01)	-	0.00	0.00	0.00	0.00	0.01	20034	1136
00.01 - 00.20	0.06	0.10	0.03	0.10	0.01	0.11	4159	246
00.21 - 00.50	0.38	0.39	0.25	0.38	0.18	0.56	7672	398
00.51 - 01.00	0.79	0.76	0.44	0.79	0.29	1.08	5928	290
01.01 - 02.00	1.44	1.37	0.71	1.29	0.55	1.85	6666	344
02.01 - 04.00	2.86	2.63	0.99	2.29	1.09	3.38	5688	292
04.01 - 10.00	5.94	5.39	1.46	4.95	1.36	6.32	3793	203
10.01 & above	14.66	12.21	2.70	9.96	3.33	13.29	529	30
all	1.17	1.08	0.40	0.99	0.37	1.35	54468	2939
Haryana								
nil (< 0.01)	-	0.01	0.01	0.02	-	0.02	11933	573
00.01 - 00.20	0.03	0.31	0.27	0.55	0.04	0.58	2342	116
00.21 - 00.50	0.37	0.55	0.47	0.93	0.05	0.98	1987	98
00.51 - 01.00	0.79	0.89	0.68	1.31	0.23	1.53	1895	88
01.01 - 02.00	1.44	1.52	1.18	2.27	0.31	2.58	3009	140
02.01 - 04.00	2.78	2.75	2.01	3.98	0.48	4.46	2362	116
04.01 - 10.00	5.64	5.25	3.74	6.94	0.93	7.87	1613	77
10.01 & above	11.98	10.85	9.09	18.66	-	18.66	248	14
all	1.00	1.02	0.77	1.49	0.16	1.66	25388	1222

* *Note*

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size-class of ownership holding (ha)	average area (0.00 ha.) owned	net sown	cropped more than once	under five major crops* sown by households: irrigated	unirrigated	all	number of households: est. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Himachal Pradesh								
nil (<0.01)	-	0.03	0.02	-	0.05	0.05	626	122
00.01 - 00.20	0.10	0.07	0.07	0.04	0.11	0.14	2434	453
00.21 - 00.50	0.36	0.28	0.26	0.12	0.42	0.54	2984	559
00.51 - 01.00	0.75	0.52	0.49	0.16	0.84	1.00	2232	409
01.01 - 02.00	1.46	0.96	0.84	0.26	1.48	1.75	1286	243
02.01 - 04.00	2.85	1.60	1.34	0.35	2.48	2.83	522	99
04.01 - 10.00	5.86	2.64	2.44	0.76	4.23	4.99	108	22
10.01 & above	12.75	1.74	1.62	1.03	2.11	3.14	35	7
all	0.73	0.45	0.41	0.14	0.70	0.84	10226	1914
Jammu & Kashmir								
nil (<0.01)	-	0.02	0.00	0.01	0.01	0.02	237	65
00.01 - 00.20	0.12	0.11	0.06	0.10	0.05	0.16	1432	329
00.21 - 00.50	0.38	0.37	0.18	0.32	0.19	0.51	2857	589
00.51 - 01.00	0.76	0.73	0.44	0.49	0.60	1.09	1978	392
01.01 - 02.00	1.45	1.24	0.90	0.79	1.23	2.02	1001	243
02.01 - 04.00	2.57	2.20	1.80	1.67	2.11	3.79	353	84
04.01 - 10.00	5.36	4.37	2.99	4.05	2.88	6.92	51	17
10.01 & above	-	-	-	-	-	-	-	-
all	0.68	0.62	0.40	0.46	0.50	0.95	7907	1719
Karnataka								
nil (<0.01)	-	0.01	-	0.00	0.00	0.01	16411	780
00.01 - 00.20	0.06	0.04	0.01	0.02	0.03	0.04	10304	493
00.21 - 00.50	0.38	0.32	0.08	0.10	0.29	0.39	7526	358
s00.51 - 01.00	0.78	0.72	0.19	0.31	0.55	0.86	10665	463
01.01 - 02.00	1.50	1.42	0.33	0.67	0.97	1.64	12550	533
02.01 - 04.00	2.79	2.61	0.62	1.40	1.61	3.01	7330	313
04.01 - 10.00	5.71	5.21	1.12	2.45	3.43	5.87	4250	184
10.01 & above	16.00	14.55	2.62	5.67	10.19	15.85	656	28
all	1.23	1.14	0.26	0.53	0.77	1.30	69692	3152

* *Note*

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size-class of ownership holding (ha)	average area (0.00 ha.)						number of households	
	owned	net sown	cropped more than once	under five major crops* sown by households				
				irrigated	unirrigated	all	est. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Kerala								
nil (< 0.01)	-	0.00	0.00	-	0.00	0.00	1833	121
00.01 - 00.20	0.07	0.05	0.00	0.02	0.03	0.04	30300	1961
00.21 - 00.50	0.34	0.30	0.05	0.12	0.16	0.28	6868	449
00.51 - 01.00	0.74	0.66	0.10	0.26	0.31	0.58	3632	216
01.01 - 02.00	1.42	1.22	0.19	0.44	0.59	1.03	2030	119
02.01 - 04.00	2.76	2.20	0.26	1.04	0.86	1.90	532	32
04.01 - 10.00	6.32	4.78	0.87	2.47	1.78	4.25	185	11
10.01 & above	11.54	9.50	1.86	8.76	2.59	11.36	32	2
all	0.28	0.24	0.03	0.10	0.11	0.21	45411	2911
Madhya Pradesh								
nil (< 0.01)	-	0.03	0.02	0.03	0.02	0.05	15259	927
00.01 - 00.20	0.06	0.03	0.01	0.01	0.02	0.03	16226	902
00.21 - 00.50	0.38	0.34	0.13	0.18	0.28	0.46	10601	593
00.51 - 01.00	0.79	0.85	0.32	0.45	0.58	1.03	15480	800
01.01 - 02.00	1.48	1.37	0.64	0.92	1.04	1.95	21789	1122
02.01 - 04.00	2.74	2.52	1.08	1.77	1.73	3.50	18907	959
04.01 - 10.00	5.78	5.22	2.69	5.03	2.69	7.71	8193	437
10.01 & above	14.79	12.99	7.58	15.51	3.78	19.29	1028	62
all	1.52	1.41	0.66	1.12	0.87	1.99	107483	5802
Maharashtra								
nil (< 0.01)	-	0.00	0.00	0.00	0.01	0.01	34047	1630
00.01 - 00.20	0.04	0.04	0.01	0.01	0.03	0.04	20421	1074
00.21 - 00.50	0.36	0.31	0.08	0.11	0.26	0.36	9080	433
00.51 - 01.00	0.77	0.69	0.16	0.29	0.50	0.79	12672	586
01.01 - 02.00	1.47	1.29	0.27	0.60	0.88	1.48	16246	762
02.01 - 04.00	2.74	2.34	0.47	1.14	1.50	2.64	11577	543
04.01 - 10.00	5.66	4.73	1.02	2.44	2.91	5.35	6321	291
10.01 & above	16.81	11.79	2.78	8.20	4.43	12.64	883	40
all	1.08	0.91	0.20	0.45	0.57	1.02	111247	5359

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 1: Average area owned, net sown area (NSA), area cropped more than once and irrigated & unirrigated gross cropped area (GCA) under five major crops sown by households by size-class of ownership holding, 1997-98

size-class of ownership holding (ha)	average area (0.00 ha.) owned	net sown	cropped more than once	under five major crops* sown by households: irrigated	unirrigated	all	number of households: est. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Manipur								
nil (< 0.01)	-	0.47	0.12	0.06	0.81	0.86	259	105
00.01 - 00.20	0.08	0.04	0.01	0.00	0.03	0.04	405	129
00.21 - 00.50	0.37	0.30	0.09	0.12	0.19	0.31	507	181
00.51 - 01.00	0.77	0.66	0.18	0.27	0.40	0.67	844	261
01.01 - 02.00	1.34	1.01	0.43	0.47	0.59	1.06	391	153
02.01 - 04.00	2.33	1.77	0.82	0.98	0.85	1.83	89	38
04.01 - 10.00	5.74	4.74	2.31	0.07	2.72	2.79	10	6
10.01 & above	-	-	-	-	-	-	-	-
all	0.66	0.58	0.20	0.23	0.39	0.62	2505	873
Meghalaya								
nil (< 0.01)	-	0.02	0.01	-	0.02	0.02	102	35
00.01 - 00.20	0.11	0.16	0.03	0.00	0.18	0.19	552	176
00.21 - 00.50	0.36	0.30	0.11	0.01	0.35	0.36	845	233
00.51 - 01.00	0.76	0.65	0.22	0.02	0.77	0.80	828	236
01.01 - 02.00	1.45	1.17	0.28	0.09	1.18	1.27	613	195
02.01 - 04.00	2.76	2.08	0.51	0.20	2.00	2.21	425	136
04.01 - 10.00	5.12	4.20	0.61	0.06	4.19	4.25	92	29
10.01 & above	-	-	-	-	-	-	-	-
all	1.02	0.83	0.21	0.05	0.87	0.92	3457	1040
Mizoram								
Nil (< 0.01)	-	0.56	0.08	-	0.61	0.61	121	92
00.01 - 00.20	0.05	0.59	0.06	0.00	0.63	0.64	394	319
00.21 - 00.50	0.33	0.57	0.03	-	0.60	0.60	52	53
00.51 - 01.00	0.80	0.74	0.09	0.04	0.77	0.81	60	50
01.01 - 02.00	1.56	1.04	0.00	0.03	0.96	0.99	72	60
02.01 - 04.00	2.58	1.73	0.09	-	1.57	1.57	16	17
04.01 - 10.00	6.67	2.00	-	-	2.00	2.00	3	3
10.01 & above	-	-	-	-	-	-	-	-
all	0.36	0.68	0.06	0.01	0.70	0.71	718	594

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 1: Average area owned, net sown area (NSA), area cropped more than once and irrigated & unirrigated gross cropped area (GCA) under five major crops sown by households by size-class of ownership holding, 1997-98

size-class of ownership holding (ha)	average area (0.00 ha.)						number of households	
	owned	net sown	cropped more than once	under five major crops* sown by households				
				irrigated	unirrigated	all	est. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Nagaland								
nil (< 0.01)	-	0.46	0.28	-	0.50	0.50	52	39
00.01 - 00.20	0.11	0.06	0.04	0.00	0.07	0.07	39	43
00.21 - 00.50	0.34	0.19	0.14	0.03	0.20	0.22	45	61
00.51 - 01.00	0.81	0.62	0.42	0.09	0.71	0.80	77	71
01.01 - 02.00	1.66	1.26	0.79	0.14	1.44	1.57	192	179
02.01 - 04.00	2.94	2.10	1.27	0.26	2.19	2.45	331	358
04.01 - 10.00	6.78	4.99	2.87	2.79	4.21	7.00	127	136
10.01 & above	13.08	8.00	4.59	6.18	5.56	11.75	7	8
all	2.68	1.97	1.18	0.60	1.92	2.52	871	895
Orissa								
nil (< 0.01)	-	0.01	0.00	0.00	0.01	0.01	6215	341
00.01 - 00.20	0.06	0.05	0.01	0.01	0.04	0.05	22120	1211
00.21 - 00.50	0.36	0.34	0.06	0.09	0.30	0.38	12884	698
00.51 - 01.00	0.76	0.72	0.13	0.20	0.60	0.80	11131	575
01.01 - 02.00	1.39	1.25	0.22	0.45	0.97	1.41	7419	391
02.01 - 04.00	2.51	2.27	0.48	0.72	1.93	2.65	2936	149
04.01 - 10.00	5.35	4.88	0.90	2.45	3.31	5.76	624	33
10.01 & above	13.15	10.28	1.22	6.31	5.20	11.50	122	3
all	0.58	0.53	0.10	0.18	0.42	0.60	63451	3401
Punjab								
nil (< 0.01)	-	0.01	0.01	0.01	0.00	0.01	17638	1639
00.01 - 00.20	0.11	0.22	0.21	0.38	0.03	0.41	570	55
00.21 - 00.50	0.37	0.34	0.36	0.59	0.07	0.66	1181	103
00.51 - 01.00	0.77	1.01	1.04	1.95	0.02	1.97	1462	122
01.01 - 02.00	1.45	1.54	1.46	2.79	0.05	2.84	2952	257
02.01 - 04.00	2.70	2.79	2.80	5.15	0.17	5.32	2202	190
04.01 - 10.00	5.94	5.53	5.43	9.87	0.52	10.39	1588	134
10.01 & above	13.29	13.13	13.17	24.38	-	24.38	377	33
all	0.94	0.95	0.94	1.73	0.05	1.79	27971	2533

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 1: Average area owned, net sown area (NSA), area cropped more than once and irrigated & unirrigated gross cropped area (GCA) under five major crops sown by households by size-class of ownership holding, 1997-98

size-class of ownership holding (ha)	average area (0.00 ha.)						number of households	
	owned	net sown	cropped more than once	under five major crops* sown by households				
				irrigated	unirrigated	all	est. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Rajasthan								
nil (< 0.01)	-	0.13	0.08	0.12	0.09	0.20	4836	323
00.01 - 00.20	0.06	0.11	0.07	0.13	0.04	0.17	8536	497
00.21 - 00.50	0.38	0.40	0.27	0.47	0.18	0.65	8354	451
00.51 - 01.00	0.76	0.68	0.42	0.69	0.39	1.07	8870	461
01.01 - 02.00	1.45	1.29	0.70	1.30	0.61	1.91	11588	618
02.01 - 04.00	2.88	2.52	1.27	2.44	1.22	3.66	10029	561
04.01 - 10.00	6.09	5.11	2.13	3.98	3.03	7.01	8119	464
10.01 & above	15.68	12.45	4.76	8.07	7.65	15.71	2046	126
all	2.21	1.89	0.88	1.60	1.05	2.65	62377	3501
Sikkim								
nil (< 0.01)	-	0.09	0.05	0.02	0.10	0.13	254	257
00.01 - 00.20	0.10	0.10	0.06	0.03	0.12	0.15	151	174
00.21 - 00.50	0.37	0.30	0.13	0.08	0.29	0.37	191	227
00.51 - 01.00	0.75	0.59	0.25	0.18	0.55	0.73	125	138
01.01 - 02.00	1.34	1.07	0.50	0.31	1.03	1.34	85	92
02.01 - 04.00	2.53	2.01	0.71	0.74	1.54	2.28	39	43
04.01 - 10.00	4.11	3.93	1.76	2.50	1.39	3.89	3	4
10.01 & above	12.35	8.10	2.03	3.89	1.22	5.11	1	1
all	0.49	0.42	0.18	0.14	0.38	0.52	849	936
Tamil Nadu								
nil (< 0.01)	-	0.01	0.00	0.01	0.00	0.01	35242	1887
00.01 - 00.20	0.04	0.02	0.01	0.02	0.00	0.02	30168	1730
00.21 - 00.50	0.35	0.31	0.12	0.32	0.06	0.39	11556	677
00.51 - 01.00	0.75	0.68	0.26	0.66	0.16	0.82	9363	508
01.01 - 02.00	1.37	1.22	0.43	1.21	0.29	1.50	6181	335
02.01 - 04.00	2.53	2.15	0.93	2.32	0.27	2.58	2712	138
04.01 - 10.00	4.86	3.74	1.93	4.02	0.58	4.60	1048	46
10.01 & above	14.39	7.69	4.52	12.22	-	12.22	49	3
all	0.35	0.29	0.12	0.30	0.06	0.36	96319	5324

* *Note*

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size-class of ownership holding (ha)	average area (0.00 ha.) owned	net sown	cropped more than once	under five major crops* sown by households: irrigated	unirrigated	all	number of households: est. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Tripura								
nil (< 0.01)	-	0.02	0.01	0.01	0.00	0.01	1547	306
00.01 - 00.20	0.08	0.03	0.02	0.02	0.01	0.03	2052	492
00.21 - 00.50	0.37	0.29	0.16	0.18	0.13	0.32	1021	218
00.51 - 01.00	0.74	0.58	0.35	0.49	0.27	0.76	678	140
01.01 - 02.00	1.45	1.08	0.80	0.75	0.67	1.42	223	41
02.01 - 04.00	2.90	1.74	0.88	1.30	0.63	1.93	76	17
04.01 - 10.00	7.85	4.31	1.38	1.14	2.90	4.04	8	2
10.01 & above	-	-	-	-	-	-	-	-
all	0.30	0.21	0.12	0.15	0.10	0.25	5606	1216
Uttar Pradesh								
nil (< 0.01)	-	0.03	0.01	0.03	0.00	0.04	23667	1052
00.01 - 00.20	0.07	0.08	0.06	0.11	0.02	0.13	62366	2978
00.21 - 00.50	0.36	0.34	0.26	0.50	0.08	0.57	52259	2153
00.51 - 01.00	0.74	0.69	0.56	1.06	0.13	1.18	41524	1713
01.01 - 02.00	1.40	1.28	0.98	1.90	0.18	2.08	30206	1236
02.01 - 04.00	2.68	2.50	1.76	3.65	0.21	3.86	14409	620
04.01 - 10.00	5.58	5.08	3.23	7.03	0.41	7.44	5159	231
10.01 & above	13.35	10.19	7.21	12.67	0.72	13.38	417	20
all	0.74	0.68	0.50	1.00	0.09	1.09	230008	10003
West Bengal								
nil (< 0.01)	-	0.06	0.02	0.06	0.02	0.08	23373	1141
00.01 - 00.20	0.06	0.05	0.02	0.05	0.02	0.07	42971	2105
00.21 - 00.50	0.35	0.30	0.18	0.32	0.14	0.46	20270	1002
00.51 - 01.00	0.74	0.67	0.42	0.73	0.31	1.04	14792	654
01.01 - 02.00	1.39	1.25	0.73	1.30	0.54	1.84	6767	303
02.01 - 04.00	2.64	2.41	1.23	2.54	0.89	3.43	2164	97
04.01 - 10.00	4.21	3.85	3.12	5.42	1.36	6.78	191	9
10.01 & above	10.66	10.66	10.66	3.46	-	3.46	24	1
all	0.33	0.31	0.18	0.33	0.13	0.46	110552	5312

* Note

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size-class of ownership holding (ha)	average area (0.00 ha.) owned	net sown	cropped more than once	under five major crops* sown by households: irrigated	unirrigated	all	number of households: est. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
A. & N. Islands								
nil (< 0.01)	-	0.11	0.01	0.06	0.06	0.12	322	349
00.01 - 00.20	0.07	0.01	-	0.00	0.01	0.01	22	28
00.21 - 00.50	0.37	0.16	0.08	0.18	0.06	0.24	8	15
00.51 - 01.00	0.79	0.29	0.03	0.19	0.13	0.32	29	37
01.01 - 02.00	1.56	0.67	0.04	0.16	0.54	0.70	32	37
02.01 - 04.00	2.85	1.59	0.35	0.73	1.16	1.89	25	26
04.01 - 10.00	4.51	2.00	0.36	1.16	1.14	2.30	8	8
10.01 & above	14.15	-	-	-	-	-	1	2
all	0.43	0.28	0.04	0.13	0.18	0.31	447	502
India								
nil (< 0.01)	-	0.03	0.02	0.03	0.02	0.04	283269	16571
00.01 - 00.20	0.06	0.05	0.03	0.05	0.02	0.08	354011	21047
00.21 - 00.50	0.36	0.34	0.19	0.33	0.16	0.49	204157	12280
00.51 - 01.00	0.76	0.71	0.38	0.66	0.35	1.01	186059	10616
01.01 - 02.00	1.44	1.31	0.65	1.18	0.65	1.83	166322	9465
02.01 - 04.00	2.73	2.48	1.15	2.23	1.15	3.38	99607	5824
04.01 - 10.00	5.73	5.04	2.20	4.54	2.19	6.73	48023	2759
10.01 & above	15.38	12.58	5.35	11.18	5.05	16.23	7246	428
all	0.84	0.76	0.36	0.69	0.35	1.04	1348695	78990

* *Note*

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Table 2: Proportion of households and net sown area (NSA) accounted by villages with government canal and differential between villages with government canal and other villages in respect of extent of irrigation (irrigated area per 1000 hectares of land under five major crops sown by households)

state / UT	H	A	irrigated area per 1000 hectares of land under five major crops* in villages			no. of households	
			with govt. canal	others	all	est. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Andhra Pradesh	392	320	774	696	723	119333	5721
Arunachal Pradesh	99	165	487	195	217	1625	719
Assam	33	30	437	186	194	35114	3243
Bihar	205	255	900	708	760	150028	7464
Gujarat	305	193	901	683	729	54468	2939
Haryana	546	575	909	889	901	25388	1222
Himachal Pradesh	52	29	746	150	168	10226	1914
Jammu & Kashmir	440	415	651	348	479	7907	1719
Karnataka	262	249	637	330	408	69692	3152
Kerala	285	306	568	414	461	45411	2911
Madhya Pradesh	185	174	735	523	561	107483	5802
Maharashtra	203	178	587	413	444	111247	5359
Manipur	273	225	737	264	369	2505	873
Meghalaya	11	2	625	54	55	3457	1040
Mizoram	-	-	-	12	12	718	594
Nagaland	-	-	-	237	237	871	895
Orissa	281	302	596	160	296	63451	3401
Punjab	517	596	1000	926	971	27971	2533
Rajasthan	176	164	880	541	605	62377	3501
Sikkim	117	96	442	245	263	849	936
Tamil Nadu	340	313	882	818	839	96319	5324
Tripura	145	131	941	535	598	5606	1216
Uttar Pradesh	284	299	955	896	914	230008	10003
West Bengal	284	257	824	678	715	110552	5312
A & N.Island	117	295	777	325	420	447	502
India	268	246	837	600	663	1348695	78990

H: Number per 1000 of households residing in villages with govt. canal.
A: NSA per 1000 hectares of NSA in villages with govt. canal.

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 3: Differential between villages with government canal and other villages in respect of average area (0.00 ha) under five major crops* sown by households, by season and size-class of household ownership holding

size-class of ownership holding (ha)	in villages with govt. canal			in villages without govt. canal			est.area under major crops
	kharif	*rabi*	all	*kharif*	*rabi*	all	(00 ha)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Andhra Pradesh				
nil (<0.01)	0.52	0.32	0.84	1.52	1.01	2.52	1109
00.01 - 00.20	0.20	0.10	0.30	0.13	0.05	0.19	1077
00.21 - 00.50	0.39	0.23	0.61	0.33	0.09	0.42	6374
00.51 - 01.00	0.65	0.34	0.99	0.61	0.20	0.81	11125
01.01 - 02.00	1.34	0.67	2.01	1.12	0.34	1.46	17640
02.01 - 04.00	2.22	0.79	3.02	1.94	0.68	2.62	19148
04.01 - 10.00	3.79	2.01	5.80	3.98	1.38	5.40	19089
10.01 & above	7.29	5.53	12.82	13.12	0.81	13.93	6700
all	1.05	0.53	1.58	1.18	0.36	1.54	82260
			Arunachal Pradesh				
nil (<0.01)	-	-	-	0.18	0.52	0.70	142
00.01 - 00.20	0.10	-	0.10	0.08	0.04	0.12	10
00.21 - 00.50	0.23	-	0.23	0.23	0.06	0.34	61
00.51 - 01.00	0.36	-	0.36	0.45	0.08	0.53	117
01.01 - 02.00	0.29	-	0.29	0.89	0.19	1.07	287
02.01 - 04.00	0.70	0.06	0.76	1.60	0.50	2.10	307
04.01 - 10.00	1.07	0.05	1.12	1.57	0.34	1.91	281
10.01 & above	3.50	3.50	7.00	4.40	0.73	5.13	62
all	0.61	0.10	0.71	0.73	0.25	0.99	1266
			Assam				
nil (<0.01)	-	-	-	0.22	0.15	0.37	204
00.01 - 00.20	-	0.07	0.07	0.06	0.06	0.13	394
00.21 - 00.50	0.33	0.21	0.55	0.24	0.16	0.40	1640
00.51 - 01.00	0.54	0.50	1.05	0.58	0.32	0.90	6278
01.01 - 02.00	0.96	0.79	1.75	1.13	0.45	1.59	11087
02.01 - 04.00	2.51	1.65	4.16	2.00	1.08	3.07	7850
04.01 - 10.00	3.80	3.03	6.83	3.89	2.15	6.04	3164
10.01 & above	-	-	-	-	-	-	-
all	0.93	0.73	1.66	0.82	0.41	1.23	30618

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 3: Differential between villages with government canal and other villages in respect of average area (0.00 ha) under five major crops* sown by households, by season and size-class of household ownership holding

size-class of ownership holding (ha)	in villages with govt. canal			in villages without govt. canal			est.area under major crops
	kharif	*rabi*	all	*kharif*	*rabi*	all	(00 ha)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Bihar				
nil (<0.01)	0.49	0.22	0.71	0.65	0.41	1.06	3740
00.01 - 00.20	0.14	0.12	0.26	0.11	0.11	0.21	4376
00.21 - 00.50	0.40	0.37	0.77	0.31	0.25	0.57	14383
00.51 - 01.00	0.76	0.76	1.52	0.65	0.49	1.15	24522
01.01 - 02.00	1.19	1.23	2.43	1.17	0.89	2.06	33955
02.01 - 04.00	2.40	2.39	4.78	2.16	1.70	3.85	28125
04.01 - 10.00	4.47	4.09	8.56	3.80	3.19	7.00	17326
10.01 & above	13.27	13.12	26.38	15.93	15.23	31.17	8158
all	0.95	0.92	1.87	0.75	0.59	1.34	134585
			Gujarat				
nil (<0.01)	0.46	0.13	0.58	0.73	0.10	0.83	113
00.01 - 00.20	0.10	0.06	0.17	0.64	0.07	0.71	467
00.21 - 00.50	0.35	0.30	0.65	0.35	0.19	0.54	4301
00.51 - 01.00	0.72	0.52	1.24	0.68	0.35	1.02	6386
01.01 - 02.00	1.27	0.83	2.11	1.18	0.63	1.82	12302
02.01 - 04.00	2.13	1.43	3.56	2.39	1.07	3.45	19218
04.01 - 10.00	4.25	3.04	7.29	4.76	1.44	6.21	23963
10.01 & above	2.68	4.85	7.52	9.86	4.08	13.94	7030
all	1.09	0.79	1.88	1.82	0.75	2.57	73780
			Haryana				
nil (<0.01)	0.92	1.53	2.45	-	-	-	266
00.01 - 00.20	1.26	1.40	2.66	0.19	0.19	0.39	1365
00.21 - 00.50	0.70	0.75	1.44	0.27	0.36	0.64	1940
00.51 - 01.00	0.79	0.97	1.76	0.62	0.77	1.39	2907
01.01 - 02.00	1.20	1.47	2.67	1.13	1.41	2.55	7757
02.01 - 04.00	2.05	2.68	4.73	1.83	2.35	4.18	10536
04.01 - 10.00	3.84	4.71	8.55	2.91	4.02	6.92	12695
10.01 & above	9.47	10.65	20.12	8.92	11.31	20.23	4622
all	1.77	2.17	3.94	1.43	1.85	3.28	42089

* *Note*

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size-class of ownership holding (ha)	in villages with govt. canal			in villages without govt. canal			est.area under major crops
	kharif	*rabi*	all	*kharif*	*rabi*	all	(00 ha)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Himachal Pradesh				
nil (< 0.01)	-	-	-	0.40	0.35	0.75	34
00.01 - 00.20	0.12	0.12	0.24	0.10	0.10	0.20	351
00.21 - 00.50	0.31	0.30	0.61	0.28	0.26	0.54	1606
00.51 - 01.00	0.52	0.51	1.03	0.52	0.49	1.01	2228
01.01 - 02.00	0.67	0.75	1.41	0.93	0.83	1.76	2245
02.01 - 04.00	-	-	-	1.51	1.31	2.83	1474
04.01 - 10.00	-	-	-	2.70	2.29	4.99	538
10.01 & above	-	-	-	1.58	1.56	3.14	111
all	0.30	0.30	0.61	0.52	0.47	0.99	8587
			Jammu & Kashmir				
nil (< 0.01)	0.25	-	0.25	0.26	0.24	0.51	5
00.01 - 00.20	0.15	0.09	0.25	0.12	0.08	0.20	225
00.21 - 00.50	0.33	0.11	0.44	0.32	0.27	0.59	1464
00.51 - 01.00	0.61	0.41	1.03	0.62	0.50	1.12	2149
01.01 - 02.00	1.21	0.99	2.20	1.11	0.80	1.91	2018
02.01 - 04.00	2.12	1.81	3.93	1.91	1.74	3.64	1335
04.01 - 10.00	3.82	3.33	7.15	3.57	2.78	6.34	351
10.01 & above	-	-	-	-	-	-	-
all	0.63	0.43	1.06	0.57	0.46	1.03	7547
			Karnataka				
nil (< 0.01)	1.60	1.60	3.20	0.17	-	0.17	99
00.01 - 00.20	0.15	0.05	0.20	0.09	0.05	0.14	464
00.21 - 00.50	0.28	0.13	0.41	0.33	0.12	0.44	2910
00.51 - 01.00	0.66	0.28	0.94	0.68	0.19	0.87	9132
01.01 - 02.00	1.21	0.45	1.65	1.21	0.47	1.67	20571
02.01 - 04.00	2.21	1.01	3.22	2.17	0.87	3.04	22063
04.01 - 10.00	3.59	1.84	5.44	4.20	1.80	5.99	24961
10.01 & above	10.52	3.84	14.36	7.95	8.90	16.85	10397
all	1.31	0.56	1.87	1.46	0.64	2.11	90596

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size-class of ownership holding (ha)	in villages with govt. canal			in villages without govt. canal			est.area under major crops
	kharif	*rabi*	all	*kharif*	*rabi*	all	(00 ha)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Kerala				
nil (< 0.01)	-	-	-	0.03	0.03	0.06	1
00.01 - 00.20	0.05	0.01	0.06	0.05	0.01	0.06	1332
00.21 - 00.50	0.25	0.08	0.33	0.22	0.07	0.29	1935
00.51 - 01.00	0.48	0.22	0.70	0.42	0.17	0.59	2091
01.01 - 02.00	0.92	0.21	1.13	0.68	0.35	1.03	2082
02.01 - 04.00	0.93	0.60	1.53	1.35	0.95	2.30	1011
04.01 - 10.00	0.16	4.26	4.42	2.56	2.17	4.72	787
10.01 & above	10.00	0.80	10.80	4.00	8.00	12.00	360
all	0.20	0.08	0.28	0.19	0.09	0.27	9599
			Madhya Pradesh				
nil (< 0.01)	0.38	-	0.38	1.15	0.82	1.98	765
00.01 - 00.20	0.15	0.08	0.23	0.15	0.06	0.21	528
00.21 - 00.50	0.30	0.17	0.47	0.32	0.19	0.52	4893
00.51 - 01.00	0.64	0.41	1.05	0.67	0.40	1.07	15992
01.01 - 02.00	1.19	0.77	1.96	1.22	0.76	1.98	42582
02.01 - 04.00	1.97	1.80	3.77	2.20	1.27	3.48	66204
04.01 - 10.00	4.60	3.69	8.29	4.29	3.35	7.63	63206
10.01 & above	12.10	11.85	23.95	9.89	8.27	18.16	19829
all	1.54	1.22	2.76	1.67	1.11	2.78	213999
			Maharashtra				
nil (< 0.01)	-	-	-	0.92	0.06	0.98	174
00.01 - 00.20	0.11	0.05	0.17	0.20	0.02	0.22	827
00.21 - 00.50	0.30	0.10	0.40	0.32	0.08	0.39	3301
00.51 - 01.00	0.62	0.25	0.87	0.65	0.16	0.82	10062
01.01 - 02.00	1.16	0.39	1.55	1.18	0.34	1.52	24077
02.01 - 04.00	1.92	0.67	2.60	2.04	0.68	2.73	30564
04.01 - 10.00	4.10	1.54	5.65	4.16	1.21	5.37	33809
10.01 & above	9.40	3.40	12.80	9.17	3.45	12.62	11154
all	1.35	0.49	1.84	1.51	0.46	1.96	113969

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	kharif	*rabi*	all	*kharif*	*rabi*	all	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Manipur				
nil (< 0.01)	0.80	0.05	0.85	0.49	0.66	1.15	224
00.01 - 00.20	0.02	0.05	0.07	0.04	0.04	0.08	15
00.21 - 00.50	0.26	0.10	0.36	0.21	0.11	0.32	159
00.51 - 01.00	0.66	0.07	0.73	0.51	0.16	0.66	564
01.01 - 02.00	1.22	0.07	1.29	0.86	0.25	1.13	414
02.01 - 04.00	2.08	0.04	2.12	1.61	0.56	2.18	164
04.01 - 10.00	-	-	-	2.39	0.40	2.79	28
10.01 & above	-	-	-	-	-	-	-
all	0.63	0.07	0.70	0.51	0.22	0.74	1566
			Meghalaya				
nil (< 0.01)	-	-	-	0.10	0.04	0.13	2
00.01 - 00.20	-	0.09	0.09	0.22	0.05	0.27	102
00.21 - 00.50	-	-	-	0.28	0.11	0.39	302
00.51 - 01.00	-	0.50	0.50	0.55	0.28	0.83	658
01.01 - 02.00	-	-	-	0.84	0.44	1.28	777
02.01 - 04.00	-	-	-	1.51	0.69	2.21	938
04.01 - 10.00	-	-	-	3.64	0.61	4.25	391
10.01 & above	-	-	-	-	-	-	-
all	-	0.47	0.47	0.72	0.30	1.02	3171
			Mizoram				
nil (< 0.01)	-	-	-	0.55	0.17	0.72	74
00.01 - 00.20	-	-	-	0.63	0.11	0.74	251
00.21 - 00.50	-	-	-	0.69	0.03	0.72	31
00.51 - 01.00	-	-	-	0.76	0.12	0.88	48
01.01 - 02.00	-	-	-	1.06	0.03	1.08	72
02.01 - 04.00	-	-	-	1.70	0.07	1.77	25
04.01 - 10.00	-	-	-	1.93	0.07	2.00	7
10.01 & above	-	-	-	-	-	-	-
all	-	-	-	0.71	0.11	0.81	508

* *Note*

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	kharif	*rabi*	all	*kharif*	*rabi*	all	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Nagaland							
nil (<0.01)	-	-	-	0.96	0.67	1.63	26
00.01 - 00.20	-	-	-	0.09	0.03	0.12	3
00.21 - 00.50	-	-	-	0.19	0.09	0.27	10
00.51 - 01.00	-	-	-	0.49	0.31	0.80	62
01.01 - 02.00	-	-	-	0.90	0.69	1.59	302
02.01 - 04.00	-	-	-	1.45	1.02	2.47	813
04.01 - 10.00	-	-	-	4.55	2.36	7.00	891
10.01 & above	-	-	-	8.01	3.74	11.75	84
all	-	-	-	1.67	1.03	2.71	2190
Orissa							
nil (<0.01)	0.05	0.01	0.07	0.46	0.01	0.47	64
00.01 - 00.20	0.15	0.02	0.17	0.18	0.02	0.20	1130
00.21 - 00.50	0.37	0.06	0.43	0.35	0.05	0.40	4953
00.51 - 01.00	0.69	0.12	0.81	0.72	0.10	0.83	8882
01.01 - 02.00	1.21	0.24	1.45	1.27	0.16	1.43	10467
02.01 - 04.00	2.14	0.56	2.69	2.32	0.39	2.70	7779
04.01 - 10.00	4.50	1.44	5.94	5.13	0.76	5.89	3596
10.01 & above	12.20	5.80	18.00	8.00	-	8.00	1406
all	0.81	0.18	0.99	0.83	0.11	0.94	38276
Punjab							
nil (<0.01)	4.00	3.10	7.10	2.11	2.11	4.22	257
00.01 - 00.20	0.38	0.37	0.75	0.17	0.21	0.39	234
00.21 - 00.50	0.34	0.36	0.69	0.32	0.37	0.69	781
00.51 - 01.00	0.98	0.99	1.97	0.95	1.02	1.97	2881
01.01 - 02.00	1.57	1.68	3.25	1.19	1.29	2.49	8373
02.01 - 04.00	2.92	2.87	5.79	2.37	2.46	4.83	11713
04.01 - 10.00	5.65	5.45	11.10	4.67	4.81	9.48	16504
10.01 & above	12.39	12.60	24.99	11.07	12.09	23.16	9200
all	2.97	2.96	5.93	1.88	1.99	3.88	49942

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	kharif	*rabi*	all	*kharif*	*rabi*	all	(00 ha)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Rajasthan				
nil (< 0.01)	-	0.44	0.44	1.36	2.00	3.37	985
00.01 - 00.20	0.82	1.14	1.96	0.18	0.17	0.35	1461
00.21 - 00.50	0.34	0.32	0.66	0.39	0.32	0.71	5472
00.51 - 01.00	0.59	0.62	1.21	0.63	0.46	1.09	9512
01.01 - 02.00	1.16	1.10	2.26	1.12	0.84	1.97	22182
02.01 - 04.00	2.04	2.26	4.30	2.19	1.51	3.70	36728
04.01 - 10.00	4.14	4.86	9.00	4.50	2.37	6.87	56934
10.01 & above	8.91	9.50	18.41	10.31	5.16	15.47	32144
all	1.95	2.14	4.09	1.99	1.22	3.21	165418
			Sikkim				
nil (< 0.01)	0.13	0.08	0.21	0.31	0.28	0.59	32
00.01 - 00.20	0.26	0.03	0.28	0.14	0.07	0.22	22
00.21 - 00.50	0.33	0.07	0.40	0.24	0.15	0.40	72
00.51 - 01.00	0.55	0.12	0.67	0.52	0.24	0.75	92
01.01 - 02.00	0.75	0.17	0.92	0.86	0.54	1.41	114
02.01 - 04.00	2.01	0.08	2.09	1.52	0.82	2.35	89
04.01 - 10.00	-	-	-	2.46	1.43	3.89	13
10.01 & above	-	-	-	2.84	2.27	5.11	4
all	0.45	0.08	0.53	0.49	0.29	0.78	438
			Tamil Nadu				
nil (< 0.01)	0.42	0.10	0.52	0.21	0.19	0.40	299
00.01 - 00.20	0.10	0.06	0.15	0.10	0.07	0.17	690
00.21 - 00.50	0.26	0.18	0.44	0.25	0.17	0.42	4450
00.51 - 01.00	0.54	0.37	0.91	0.47	0.37	0.84	7714
01.01 - 02.00	1.00	0.70	1.69	0.91	0.59	1.50	9283
02.01 - 04.00	1.64	1.27	2.90	1.53	0.92	2.45	7008
04.01 - 10.00	2.98	2.48	5.46	3.30	1.47	4.77	4817
10.01 & above	10.00	2.00	12.00	6.21	6.21	12.43	603
all	0.64	0.45	1.09	0.60	0.39	0.99	34863

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	kharif	*rabi*	all	*kharif*	*rabi*	all	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Tripura							
nil (<0.01)	-	-	-	0.51	0.03	0.54	15
00.01 - 00.20	0.13	0.05	0.18	0.07	0.05	0.13	66
00.21 - 00.50	0.27	0.12	0.39	0.16	0.19	0.35	323
00.51 - 01.00	0.63	0.16	0.79	0.44	0.35	0.79	515
01.01 - 02.00	0.93	0.51	1.44	1.01	0.48	1.49	318
02.01 - 04.00	1.74	1.24	2.98	1.17	0.64	1.81	147
04.01 - 10.00	-	-	-	3.44	0.60	4.04	32
10.01 & above	-	-	-	-	-	-	-
all	0.48	0.21	0.69	0.34	0.24	0.58	1415
Uttar Pradesh							
nil (<0.01)	0.68	0.53	1.21	0.62	1.02	1.64	942
00.01 - 00.20	0.13	0.13	0.26	0.13	0.14	0.27	8230
00.21 - 00.50	0.31	0.32	0.63	0.27	0.30	0.58	29992
00.51 - 01.00	0.62	0.65	1.27	0.58	0.61	1.19	49080
01.01 - 02.00	1.05	1.12	2.17	1.01	1.09	2.10	62695
02.01 - 04.00	1.81	2.05	3.88	1.94	2.03	3.97	55575
04.01 - 10.00	3.36	4.78	8.14	3.44	3.93	7.37	38392
10.01 & above	5.39	8.84	14.24	6.95	7.11	14.06	5587
all	0.73	0.83	1.56	0.68	0.74	1.42	250492
West Bengal							
nil (<0.01)	0.28	0.08	0.36	0.72	0.27	0.99	1795
00.01 - 00.20	0.13	0.10	0.22	0.11	0.07	0.18	2917
00.21 - 00.50	0.29	0.20	0.49	0.29	0.18	0.47	9347
00.51 - 01.00	0.67	0.42	1.09	0.67	0.37	1.04	15448
01.01 - 02.00	1.29	0.60	1.89	1.21	0.64	1.85	12485
02.01 - 04.00	2.56	0.97	3.53	2.29	1.11	3.40	7423
04.01 - 10.00	2.44	1.90	4.34	4.22	3.50	7.73	1293
10.01 & above	-	-	-	0.60	2.86	3.46	83
all	0.52	0.29	0.81	0.55	0.30	0.85	50792

Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 3: Differential between villages with government canal and other villages in respect of average area (0.00 ha) under five major crops* sown by households, by season and size-class of household ownership holding

size-class of ownership holding (ha)	in villages with govt. canal			in villages without govt. canal			est.area under major crops
	kharif	*rabi*	all	*kharif*	*rabi*	all	(00 ha)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			A. & N. Islands				
nil (<0.01)	-	-	-	1.10	0.07	1.17	39
00.01 - 00.20	0.02	-	0.02	0.01	0.01	0.02	0
00.21 - 00.50	0.32	0.26	0.58	0.09	0.08	0.17	2
00.51 - 01.00	0.56	0.08	0.64	0.27	0.19	0.46	9
01.01 - 02.00	1.34	0.19	1.52	0.85	0.10	0.95	22
02.01 - 04.00	2.61	0.30	2.91	1.68	0.44	2.12	48
04.01 - 10.00	3.00	0.63	3.63	2.40	0.41	2.82	17
10.01 & above	-	-	-	-	-	-	-
alls	1.25	0.19	1.44	1.02	0.18	1.20	138
			India				
nil (<0.01)	0.50	0.32	0.82	0.66	0.46	1.13	11503
00.01 - 00.20	0.15	0.12	0.26	0.12	0.08	0.20	26575
00.21 - 00.50	0.33	0.24	0.57	0.30	0.21	0.51	100803
00.51 - 01.00	0.65	0.48	1.13	0.62	0.39	1.02	188584
01.01 - 02.00	1.18	0.85	2.03	1.13	0.69	1.82	304245
02.01 - 04.00	2.07	1.67	3.75	2.10	1.25	3.34	336368
04.01 - 10.00	4.08	3.56	7.64	4.16	2.40	6.57	323143
10.01 & above	9.82	8.61	18.44	9.83	5.89	15.73	117611
all	1.00	0.79	1.80	1.05	0.64	1.69	1408832

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Andhra Pradesh

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	43	350	606	957	1000	474	564	20
00.01 - 00.20	178	322	499	822	1000	680	2251	99
00.21 - 00.50	201	312	487	799	1000	3010	4903	229
00.51 - 01.00	163	286	552	837	1000	4155	4195	176
01.01 - 02.00	123	237	640	877	1000	6665	3312	136
02.01 - 04.00	282	233	485	718	1000	5346	1773	78
04.01 - 10.00	63	130	808	937	1000	6348	1095	47
10.01 & above	104	-	896	896	1000	2204	172	6
all	169	273	558	831	1000	28882	18264	791
Villages without government canal								
nil(<0.01)	119	324	557	881	1000	324	172	10
00.01 - 00.20	139	453	407	861	1000	387	2087	102
00.21 - 00.50	309	258	433	691	1000	3327	7989	394
00.51 - 01.00	297	222	480	703	1000	6849	8546	414
01.01 - 02.00	256	268	475	744	1000	10826	7458	360
02.01 - 04.00	220	267	513	780	1000	13400	5188	265
04.01 - 10.00	162	172	666	838	1000	12741	2360	117
10.01 & above	17	170	813	983	1000	4496	323	19
all	257	258	485	743	1000	52350	34123	1681
All villages								
nil(<0.01)	74	311	615	926	1000	1109	816	35
00.01 - 00.20	159	383	459	841	1000	1077	4366	203
00.21 - 00.50	270	277	454	730	1000	6374	12989	627
00.51 - 01.00	254	241	505	746	1000	11125	12848	596
01.01 - 02.00	215	257	527	785	1000	17640	10837	499
02.01 - 04.00	236	256	509	764	1000	19148	7035	347
04.01 - 10.00	131	158	711	869	1000	19089	3455	164
10.01 & above	47	111	842	953	1000	6700	495	25
all	227	261	512	773	1000	82260	52840	2496

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Arunachal Pradesh

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	-	-	-	-	-	-	-	-
00.01 - 00.20	1000	-	-	-	1000	0	4	1
00.21 - 00.50	1000	-	-	-	1000	7	30	8
00.51 - 01.00	508	-	492	492	1000	2	6	3
01.01 - 02.00	803	-	197	197	1000	9	33	12
02.01 - 04.00	-	189	811	1000	1000	22	29	20
04.01 - 10.00	-	500	500	1000	1000	37	33	23
10.01 & above	1000	-	-	-	1000	20	3	1
all	483	159	358	517	1000	98	138	68
Villages without government canal								
nil(<0.01)	936	-	64	64	1000	142	198	68
00.01 - 00.20	738	-	262	262	1000	6	66	30
00.21 - 00.50	401	24	575	599	1000	51	155	71
00.51 - 01.00	663	4	334	337	1000	112	208	102
01.01 - 02.00	659	44	298	341	1000	276	254	111
02.01 - 04.00	712	49	239	288	1000	285	136	70
04.01 - 10.00	959	9	31	41	1000	244	128	63
10.01 & above	1000	-	-	-	1000	42	8	7
all	719	20	261	281	1000	1158	1153	522
All villages								
nil(<0.01)	914	23	62	86	1000	142	203	70
00.01 - 00.20	665	60	274	335	1000	10	79	34
00.21 - 00.50	487	44	469	513	1000	61	190	81
00.51 - 01.00	637	14	348	363	1000	117	221	108
01.01 - 02.00	664	38	298	336	1000	287	292	125
02.01 - 04.00	586	74	340	414	1000	307	165	90
04.01 - 10.00	763	110	127	237	1000	281	161	86
10.01 & above	1000	-	-	-	1000	62	11	8
all	678	47	275	322	1000	1266	1321	602

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Assam

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(< 0.01)	-	-	-	-	-	-	-	-
00.01 - 00.20	1000	-	-	-	1000	1	11	1
00.21 - 00.50	119	309	572	881	1000	81	149	10
00.51 - 01.00	125	203	673	875	1000	178	170	13
01.01 - 02.00	172	319	509	828	1000	316	180	12
02.01 - 04.00	-	-	1000	1000	1000	210	50	5
04.01 - 10.00	333	-	667	667	1000	196	29	3
10.01 & above	-	-	-	-	-	-	-	-
all	154	234	612	846	1000	981	590	44
Villages without government canal								
nil(< 0.01)	951	32	17	49	1000	204	552	63
00.01 - 00.20	863	32	105	137	1000	386	3060	300
00.21 - 00.50	794	57	149	206	1000	1489	3802	411
00.51 - 01.00	757	102	141	243	1000	5822	6522	572
01.01 - 02.00	795	56	150	205	1000	10535	6624	556
02.01 - 04.00	727	49	224	273	1000	7515	2434	196
04.01 - 10.00	675	52	274	325	1000	2821	479	38
10.01 & above	-	-	-	-	-	-	-	-
all	787	64	148	213	1000	28773	23473	2136
All villages								
nil(< 0.01)	951	32	17	49	1000	204	552	63
00.01 - 00.20	862	35	102	138	1000	394	3132	307
00.21 - 00.50	769	69	161	231	1000	1640	4041	432
00.51 - 01.00	740	111	149	260	1000	6278	6940	603
01.01 - 02.00	773	67	161	227	1000	11087	6968	582
02.01 - 04.00	713	47	241	287	1000	7850	2536	205
04.01 - 10.00	664	48	289	336	1000	3164	520	42
10.01 & above	-	-	-	-	-	-	-	-
all	770	72	158	230	1000	30618	24689	2234

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Bihar

size-class of ownership holding (ha)	unirri-gated	irrigated: with irrigation services hired	irrigated: others	irrigated: all	all	estd. area under 5 major crops*	no. of FCC households: estd. (00)	no. of FCC households: sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	481	284	236	519	1000	466	657	37
00.01 - 00.20	211	613	176	789	1000	1078	4214	208
00.21 - 00.50	101	615	284	899	1000	3860	5020	252
00.51 - 01.00	88	604	308	912	1000	5569	3669	175
01.01 - 02.00	43	510	447	957	1000	7601	3131	148
02.01 - 04.00	42	273	686	958	1000	8259	1727	87
04.01 - 10.00	26	201	773	974	1000	6276	733	39
10.01 & above	-	-	1000	1000	1000	2842	108	6
all	117	534	349	883	1000	35951	19258	952
Villages without government canal								
nil(<0.01)	495	298	207	505	1000	3259	3063	159
00.01 - 00.20	277	543	180	723	1000	3282	15419	801
00.21 - 00.50	333	566	101	667	1000	10357	18279	975
00.51 - 01.00	322	504	174	678	1000	18736	16340	797
01.01 - 02.00	295	450	255	705	1000	26288	12777	632
02.01 - 04.00	175	376	449	825	1000	19210	4984	242
04.01 - 10.00	56	404	540	944	1000	11050	1580	72
10.01 & above	-	203	797	1000	1000	5316	171	8
all	301	498	201	699	1000	97498	72612	3686
All villages								
nil(<0.01)	496	294	211	504	1000	3740	3743	197
00.01 - 00.20	262	558	180	738	1000	4376	19828	1015
00.21 - 00.50	283	578	139	717	1000	14383	23571	1234
00.51 - 01.00	278	523	199	722	1000	24522	20184	976
01.01 - 02.00	247	461	292	753	1000	33955	15932	781
02.01 - 04.00	139	344	517	861	1000	28125	6811	331
04.01 - 10.00	47	340	614	953	1000	17326	2313	111
10.01 & above	-	124	876	1000	1000	8158	278	14
all	262	506	232	738	1000	134585	92660	4659

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Haryana

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(< 0.01)	-	1000	-	1000	1000	266	109	5
00.01 - 00.20	-	564	436	1000	1000	1338	503	23
00.21 - 00.50	46	644	310	954	1000	1363	943	42
00.51 - 01.00	63	497	439	937	1000	1675	950	43
01.01 - 02.00	39	322	640	961	1000	4166	1562	65
02.01 - 04.00	33	270	697	967	1000	5741	1214	52
04.01 - 10.00	71	151	778	929	1000	8014	937	40
10.01 & above	-	-	1000	1000	1000	2438	121	5
all	43	386	572	957	1000	25000	6339	275
Villages without government canal								
nil(< 0.01)	-	-	-	-	-	-	-	-
00.01 - 00.20	-	751	249	1000	1000	27	70	4
00.21 - 00.50	129	587	284	871	1000	578	908	48
00.51 - 01.00	160	378	462	840	1000	1232	889	42
01.01 - 02.00	123	297	580	877	1000	3482	1359	71
02.01 - 04.00	39	246	715	961	1000	4467	1069	59
04.01 - 10.00	68	91	842	932	1000	4188	624	33
10.01 & above	-	-	1000	1000	1000	1607	82	6
all	102	329	569	898	1000	15581	5000	263
All villages								
nil(< 0.01)	-	1000	-	1000	1000	266	109	5
00.01 - 00.20	-	587	413	1000	1000	1365	573	27
00.21 - 00.50	87	616	297	913	1000	1940	1851	90
00.51 - 01.00	110	440	450	890	1000	2907	1839	85
01.01 - 02.00	77	322	601	923	1000	7757	2973	138
02.01 - 04.00	35	250	715	965	1000	10536	2362	116
04.01 - 10.00	67	123	810	933	1000	12695	1613	77
10.01 & above	-	-	1000	1000	1000	4622	229	13
all	68	359	574	932	1000	42089	11548	551

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Himachal Pradesh

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	-	-	-	-	-	-	-	-
00.01 - 00.20	256	-	744	744	1000	33	140	25
00.21 - 00.50	134	-	866	866	1000	114	187	32
00.51 - 01.00	133	48	819	867	1000	97	94	17
01.01 - 02.00	-	-	1000	1000	1000	19	14	3
02.01 - 04.00	-	-	-	-	-	-	-	-
04.01 - 10.00	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-
all	169	10	821	831	1000	263	434	77
Villages without government canal								
nil(<0.01)	1000	-	-	-	1000	34	45	8
00.01 - 00.20	746	33	221	254	1000	317	1543	295
00.21 - 00.50	799	30	171	201	1000	1484	2732	514
00.51 - 01.00	797	36	167	203	1000	2098	2079	380
01.01 - 02.00	717	61	222	283	1000	2210	1253	236
02.01 - 04.00	681	46	273	319	1000	1423	502	95
04.01 - 10.00	539	95	367	461	1000	517	95	20
10.01 & above	876	-	124	124	1000	111	35	7
all	768	38	194	232	1000	8194	8284	1555
All villages								
nil(<0.01)	1000	-	-	-	1000	34	45	8
00.01 - 00.20	704	30	266	296	1000	351	1691	322
00.21 - 00.50	757	28	215	243	1000	1606	2939	550
00.51 - 01.00	766	36	198	234	1000	2228	2208	404
01.01 - 02.00	708	60	232	292	1000	2245	1277	241
02.01 - 04.00	676	44	279	324	1000	1474	522	99
04.01 - 10.00	593	83	323	407	1000	538	108	22
10.01 & above	876	-	124	124	1000	111	35	7
all	737	36	227	263	1000	8587	8825	1653

* Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Jammu & Kashmir

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	-	-	1000	1000	1000	1	3	1
00.01 - 00.20	151	18	831	849	1000	104	421	85
00.21 - 00.50	119	22	859	881	1000	572	1306	260
00.51 - 01.00	237	15	748	763	1000	727	708	136
01.01 - 02.00	245	43	713	755	1000	903	411	101
02.01 - 04.00	258	-	742	742	1000	685	174	43
04.01 - 10.00	177	-	823	823	1000	262	37	11
10.01 & above	-	-	-	-	-	-	-	-
all	176	21	803	824	1000	3253	3058	637
Villages without government canal								
nil(<0.01)	59	-	941	941	1000	4	8	3
00.01 - 00.20	224	18	758	776	1000	121	619	133
00.21 - 00.50	259	25	716	741	1000	891	1502	318
00.51 - 01.00	353	65	583	647	1000	1421	1270	256
01.01 - 02.00	566	94	340	434	1000	1116	586	141
02.01 - 04.00	674	45	281	326	1000	650	179	41
04.01 - 10.00	557	-	443	443	1000	89	14	6
10.01 & above	-	-	-	-	-	-	-	-
all	344	46	610	656	1000	4293	4178	898
All villages								
nil(<0.01)	46	-	954	954	1000	5	11	4
00.01 - 00.20	194	18	787	806	1000	225	1039	218
00.21 - 00.50	194	23	783	806	1000	1464	2807	578
00.51 - 01.00	311	47	642	689	1000	2149	1978	392
01.01 - 02.00	433	73	494	567	1000	2018	997	242
02.01 - 04.00	469	23	509	531	1000	1335	353	84
04.01 - 10.00	282	-	718	718	1000	351	51	17
10.01 & above	-	-	-	-	-	-	-	-
all	273	36	691	727	1000	7547	7236	1535

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Karnataka

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	1000	-	-	-	1000	78	24	1
00.01 - 00.20	504	-	496	496	1000	226	1144	54
00.21 - 00.50	467	27	506	533	1000	960	2351	104
00.51 - 01.00	396	38	566	604	1000	2708	2885	119
01.01 - 02.00	332	73	595	668	1000	5276	3189	129
02.01 - 04.00	196	10	794	804	1000	5068	1573	69
04.01 - 10.00	207	54	739	793	1000	5028	925	38
10.01 & above	-	92	908	1000	1000	3778	263	12
all	356	40	604	644	1000	23123	12354	526
Villages without government canal								
nil(<0.01)	480	520	-	520	1000	21	122	6
00.01 - 00.20	487	53	460	513	1000	237	1682	83
00.21 - 00.50	792	53	155	208	1000	1949	4383	218
00.51 - 01.00	686	112	202	314	1000	6424	7384	326
01.01 - 02.00	589	112	299	411	1000	15295	9133	393
02.01 - 04.00	542	85	373	458	1000	16996	5592	239
04.01 - 10.00	487	41	472	513	1000	19933	3325	146
10.01 & above	437	82	481	563	1000	6619	393	16
all	613	90	297	387	1000	67473	32016	1427
All villages								
nil(<0.01)	566	434	-	434	1000	99	146	7
00.01 - 00.20	494	32	474	506	1000	464	2826	137
00.21 - 00.50	678	44	278	322	1000	2910	6735	322
00.51 - 01.00	605	91	304	395	1000	9132	10269	445
01.01 - 02.00	522	102	376	478	1000	20571	12321	522
02.01 - 04.00	466	68	466	534	1000	22063	7165	308
04.01 - 10.00	426	44	530	574	1000	24961	4250	184
10.01 & above	262	86	652	738	1000	10397	656	28
all	541	76	383	459	1000	90596	44369	1953

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Kerala

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(< 0.01)	690	-	310	310	1000	-	54	3
00.01 - 00.20	557	40	403	443	1000	411	6509	409
00.21 - 00.50	438	43	519	562	1000	716	2187	137
00.51 - 01.00	339	30	631	661	1000	694	993	61
01.01 - 02.00	377	-	623	623	1000	511	452	28
02.01 - 04.00	283	-	717	717	1000	205	134	8
04.01 - 10.00	-	-	1000	1000	1000	223	51	3
10.01 & above	-	-	1000	1000	1000	184	17	1
all	497	37	466	503	1000	2944	10395	650
Villages without government canal								
nil(< 0.01)	1000	-	-	-	1000	1	21	1
00.01 - 00.20	704	12	284	296	1000	921	15592	992
00.21 - 00.50	560	43	398	440	1000	1219	4216	282
00.51 - 01.00	479	72	449	521	1000	1397	2382	140
01.01 - 02.00	542	20	438	458	1000	1570	1525	88
02.01 - 04.00	295	125	580	705	1000	806	351	21
04.01 - 10.00	313	-	687	687	1000	564	119	7
10.01 & above	-	-	1000	1000	1000	176	15	1
all	639	25	336	361	1000	6654	24220	1532
All villages								
nil(< 0.01)	778	-	222	222	1000	1	75	4
00.01 - 00.20	661	20	319	339	1000	1332	22100	1401
00.21 - 00.50	518	43	439	482	1000	1935	6402	419
00.51 - 01.00	438	60	502	562	1000	2091	3374	201
01.01 - 02.00	504	16	480	496	1000	2082	1976	116
02.01 - 04.00	292	91	618	708	1000	1011	485	29
04.01 - 10.00	220	-	780	780	1000	787	170	10
10.01 & above	-	-	1000	1000	1000	360	32	2
all	596	29	375	404	1000	9599	34615	2182

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Madhya Pradesh

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	680	-	320	320	1000	16	42	2
00.01 - 00.20	544	218	239	456	1000	112	491	26
00.21 - 00.50	396	155	449	604	1000	1120	2368	134
00.51 - 01.00	300	124	576	700	1000	3120	2976	159
01.01 - 02.00	252	163	585	748	1000	7247	3702	190
02.01 - 04.00	174	107	719	826	1000	10305	2733	146
04.01 - 10.00	120	56	824	880	1000	11823	1426	75
10.01 & above	-	78	922	1000	1000	4788	200	11
all	266	132	602	734	1000	38530	13938	743
Villages without government canal								
nil(<0.01)	669	180	151	331	1000	749	379	19
00.01 - 00.20	733	110	157	267	1000	407	1911	110
00.21 - 00.50	670	148	181	330	1000	3706	7178	399
00.51 - 01.00	627	154	219	373	1000	12807	11993	612
01.01 - 02.00	564	180	256	436	1000	35208	17794	915
02.01 - 04.00	526	134	339	474	1000	55479	15959	802
04.01 - 10.00	371	121	509	629	1000	50932	6668	356
10.01 & above	172	87	741	828	1000	15042	828	51
all	559	150	291	441	1000	174330	62709	3264
All villages								
nil(<0.01)	670	162	167	330	1000	765	421	21
00.01 - 00.20	693	129	179	307	1000	528	2467	139
00.21 - 00.50	603	150	247	397	1000	4893	9680	539
00.51 - 01.00	561	149	290	439	1000	15992	15036	774
01.01 - 02.00	511	176	313	489	1000	42582	21560	1108
02.01 - 04.00	477	129	393	523	1000	66204	18818	954
04.01 - 10.00	329	109	562	671	1000	63206	8158	434
10.01 & above	138	85	776	862	1000	19829	1028	62
all	506	146	347	494	1000	213999	77168	4031

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Maharashtra

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	-	-	-	-	-	-	-	-
00.01 - 00.20	534	241	225	466	1000	100	605	29
00.21 - 00.50	540	50	411	460	1000	665	1663	80
00.51 - 01.00	411	72	517	589	1000	2071	2380	112
01.01 - 02.00	338	60	602	662	1000	4914	3169	143
02.01 - 04.00	337	9	654	663	1000	5239	2014	91
04.01 - 10.00	303	78	619	697	1000	6721	1191	51
10.01 & above	-	-	1000	1000	1000	708	55	2
all	389	63	548	611	1000	20418	11077	508
Villages without government canal								
nil(<0.01)	877	-	123	123	1000	174	178	7
00.01 - 00.20	698	128	174	302	1000	727	3307	159
00.21 - 00.50	735	97	168	265	1000	2636	6686	319
00.51 - 01.00	664	98	237	336	1000	7992	9730	447
01.01 - 02.00	625	77	299	375	1000	19072	12549	593
02.01 - 04.00	563	46	391	437	1000	25187	9224	432
04.01 - 10.00	452	48	500	548	1000	26855	5019	234
10.01 & above	268	33	699	732	1000	10073	771	35
all	618	78	304	382	1000	92716	47463	2226
All villages								
nil(<0.01)	877	-	123	123	1000	174	178	7
00.01 - 00.20	672	146	182	328	1000	827	3913	188
00.21 - 00.50	696	88	216	304	1000	3301	8349	399
00.51 - 01.00	615	93	292	385	1000	10062	12111	559
01.01 - 02.00	568	73	359	432	1000	24077	15774	739
02.01 - 04.00	524	39	436	476	1000	30564	11295	527
04.01 - 10.00	425	54	521	575	1000	33809	6238	287
10.01 & above	265	29	706	735	1000	11154	883	40
all	576	75	350	424	1000	113969	58740	2746

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Manipur

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	685	-	315	315	1000	8	10	3
00.01 - 00.20	946	-	54	54	1000	4	58	18
00.21 - 00.50	334	269	398	666	1000	50	142	44
00.51 - 01.00	252	541	207	748	1000	130	179	42
01.01 - 02.00	180	559	261	820	1000	114	89	24
02.01 - 04.00	-	1000	-	1000	1000	40	19	4
04.01 - 10.00	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-
all	343	410	247	657	1000	347	496	135
Villages without government canal								
nil(<0.01)	966	22	12	34	1000	147	173	75
00.01 - 00.20	875	86	39	125	1000	8	87	33
00.21 - 00.50	633	65	301	367	1000	90	284	121
00.51 - 01.00	595	126	279	405	1000	423	640	210
01.01 - 02.00	608	220	172	392	1000	277	247	112
02.01 - 04.00	532	342	126	468	1000	124	57	30
04.01 - 10.00	489	458	53	511	1000	28	10	6
10.01 & above	-	-	-	-	-	-	-	-
sall	660	126	214	340	1000	1096	1498	587
All villages								
nil(<0.01)	954	19	26	46	1000	224	198	80
00.01 - 00.20	926	40	35	74	1000	15	189	57
00.21 - 00.50	574	117	309	426	1000	159	483	174
00.51 - 01.00	527	213	259	473	1000	564	832	256
01.01 - 02.00	519	295	186	481	1000	414	353	140
02.01 - 04.00	399	507	94	601	1000	164	76	34
04.01 - 10.00	489	458	53	511	1000	28	10	6
10.01 & above	-	-	-	-	-	-	-	-
all	606	183	210	394	1000	1566	2139	747

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Meghalaya

size-class of ownership holding (ha)	unirri-gated	irrigated: with irrigation services hired	irrigated: others	irrigated: all	all	estd. area under 5 major crops*	no. of FCC households: estd. (00)	no. of FCC households: sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	-	-	-	-	-	-	-	-
00.01 - 00.20	1000	-	-	-	1000	0	1	1
00.21 - 00.50	-	-	-	-	-	-	-	-
00.51 - 01.00	-	-	1000	1000	1000	5	10	3
01.01 - 02.00	-	-	-	-	-	-	-	-
02.01 - 04.00	-	-	-	-	-	-	-	-
04.01 - 10.00	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-
all	69	-	931	931	1000	5	11	4
Villages without government canal								
nil(<0.01)	1000	-	-	-	1000	2	17	6
00.01 - 00.20	973	-	27	27	1000	102	385	120
00.21 - 00.50	966	13	21	34	1000	302	782	210
00.51 - 01.00	959	19	22	41	1000	653	786	222
01.01 - 02.00	836	13	151	164	1000	777	605	193
02.01 - 04.00	805	26	169	195	1000	938	425	136
04.01 - 10.00	930	-	70	70	1000	391	92	29
10.01 & above	-	-	-	-	-	-	-	-
all	917	14	69	83	1000	3166	3093	916
All villages								
nil(<0.01)	1000	-	-	-	1000	2	17	6
00.01 - 00.20	973	-	27	27	1000	102	385	121
00.21 - 00.50	966	13	21	34	1000	302	782	210
00.51 - 01.00	947	19	34	53	1000	658	796	225
01.01 - 02.00	836	13	151	164	1000	777	605	193
02.01 - 04.00	805	26	169	195	1000	938	425	136
04.01 - 10.00	930	-	70	70	1000	391	92	29
10.01 & above	-	-	-	-	-	-	-	-
all	914	14	72	86	1000	3171	3103	920

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Mizoram

size-class of ownership holding (ha)	unirri-gated	irrigated: with irrigation services hired	irrigated: others	irrigated: all	all	estd. area under 5 major crops*	no. of FCC households: estd. (00)	no. of FCC households: sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	-	-	-	-
00.21 - 00.50	-	-	-	-	-	-	-	-
00.51 - 01.00	-	-	-	-	-	-	-	-
01.01 - 02.00	-	-	-	-	-	-	-	-
02.01 - 04.00	-	-	-	-	-	-	-	-
04.01 - 10.00	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-
all	-	-	-	-	-	-	-	-
Villages without government canal								
nil(<0.01)	1000	-	-	-	1000	74	104	72
00.01 - 00.20	990	10	-	10	1000	245	320	250
00.21 - 00.50	1000	-	-	-	1000	31	40	42
00.51 - 01.00	951	8	41	49	1000	48	55	47
01.01 - 02.00	957	-	43	43	1000	72	66	54
02.01 - 04.00	1000	-	-	-	1000	25	14	16
04.01 - 10.00	1000	-	-	-	1000	7	3	3
10.01 & above	-	-	-	-	-	-	-	-
all	986	6	8	14	1000	501	601	484
All villages								
nil(<0.01)	1000	-	-	-	1000	74	104	72
00.01 - 00.20	991	9	-	9	1000	251	339	263
00.21 - 00.50	1000	-	-	-	1000	31	43	45
00.51 - 01.00	951	8	41	49	1000	48	55	47
01.01 - 02.00	957	-	43	43	1000	72	66	54
02.01 - 04.00	1000	-	-	-	1000	25	14	16
04.01 - 10.00	1000	-	-	-	1000	7	3	3
10.01 & above	-	-	-	-	-	-	-	-
all	986	6	8	14	1000	508	624	500

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Nagaland

size-class of ownership holding (ha)	unirri-gated	irrigated: with irrigation services hired	irrigated: others	irrigated: all	all	estd. area under 5 major crops*	no. of FCC households: estd. (00)	no. of FCC households: sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	-	-	-	-
00.21 - 00.50	-	-	-	-	-	-	-	-
00.51 - 01.00	-	-	-	-	-	-	-	-
01.01 - 02.00	-	-	-	-	-	-	-	-
02.01 - 04.00	-	-	-	-	-	-	-	-
04.01 - 10.00	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-
all	-	-	-	-	-	-	-	-
Villages without government canal								
nil(<0.01)	1000	-	-	-	1000	26	16	13
00.01 - 00.20	933	67	-	67	1000	3	24	20
00.21 - 00.50	885	-	115	115	1000	10	37	46
00.51 - 01.00	778	-	222	222	1000	62	77	71
01.01 - 02.00	768	20	213	232	1000	285	179	172
02.01 - 04.00	678	3	319	322	1000	775	314	349
04.01 - 10.00	235	4	760	765	1000	871	121	133
10.01 & above	-	-	1000	1000	1000	84	7	8
all	657	9	334	343	1000	2115	775	812
All villages								
nil(<0.01)	1000	-	-	-	1000	26	16	13
00.01 - 00.20	933	67	-	67	1000	3	24	20
00.21 - 00.50	885	-	115	115	1000	10	37	47
00.51 - 01.00	778	-	222	222	1000	62	77	71
01.01 - 02.00	781	19	200	219	1000	302	190	177
02.01 - 04.00	692	3	305	308	1000	813	329	356
04.01 - 10.00	274	4	722	726	1000	891	127	136
10.01 & above	-	-	1000	1000	1000	84	7	8
all	671	8	321	329	1000	2190	807	828

** Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Orissa

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	524	-	476	476	1000	5	72	5
00.01 - 00.20	525	55	420	475	1000	303	1802	99
00.21 - 00.50	566	80	354	434	1000	1547	3589	200
00.51 - 01.00	409	141	451	591	1000	2544	3131	158
01.01 - 02.00	355	117	528	645	1000	3540	2443	128
02.01 - 04.00	284	65	652	716	1000	2049	761	41
04.01 - 10.00	286	191	523	714	1000	1168	197	11
10.01 & above	-	-	1000	1000	1000	771	43	2
all	451	100	449	549	1000	11927	12038	644
Villages without government canal								
nil(<0.01)	822	-	178	178	1000	59	126	15
00.01 - 00.20	810	72	118	190	1000	793	3984	219
00.21 - 00.50	840	50	109	160	1000	3320	8276	445
00.51 - 01.00	809	71	120	191	1000	6094	7355	378
01.01 - 02.00	662	152	186	338	1000	6654	4638	239
02.01 - 04.00	792	57	150	208	1000	5574	2055	101
04.01 - 10.00	668	111	222	332	1000	2341	398	20
10.01 & above	1000	-	-	-	1000	635	79	1
all	791	78	131	209	1000	25469	26911	1418
All villages								
nil(<0.01)	714	-	286	286	1000	64	198	20
00.01 - 00.20	725	69	206	275	1000	1130	5949	326
00.21 - 00.50	762	58	180	238	1000	4953	12133	657
00.51 - 01.00	687	94	219	313	1000	8882	10803	553
01.01 - 02.00	560	138	302	440	1000	10467	7280	378
02.01 - 04.00	663	58	279	337	1000	7779	2881	146
04.01 - 10.00	529	134	337	471	1000	3596	609	32
10.01 & above	650	-	350	350	1000	1406	122	3
all	688	85	227	312	1000	38276	39975	2115

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Punjab

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(< 0.01)	-	-	1000	1000	1000	109	15	1
00.01 - 00.20	192	410	398	808	1000	94	125	13
00.21 - 00.50	24	523	453	976	1000	335	484	44
00.51 - 01.00	-	313	687	1000	1000	1232	625	50
01.01 - 02.00	-	125	875	1000	1000	4871	1501	123
02.01 - 04.00	-	91	909	1000	1000	6497	1122	91
04.01 - 10.00	-	99	901	1000	1000	10790	972	77
10.01 & above	-	37	963	1000	1000	6278	251	21
all	7	176	817	993	1000	30206	5097	420
Villages without government canal								
nil(< 0.01)	324	274	402	676	1000	148	35	4
00.01 - 00.20	248	371	381	752	1000	139	357	34
00.21 - 00.50	147	306	547	853	1000	446	646	55
00.51 - 01.00	28	180	792	972	1000	1649	836	72
01.01 - 02.00	56	213	731	944	1000	3502	1408	131
02.01 - 04.00	82	119	799	918	1000	5216	1080	99
04.01 - 10.00	146	59	795	854	1000	5714	603	56
10.01 & above	-	93	907	1000	1000	2922	126	12
all	93	190	717	907	1000	19736	5092	463
All villages								
nil(< 0.01)	225	191	584	775	1000	257	50	5
00.01 - 00.20	233	381	385	767	1000	234	482	47
00.21 - 00.50	94	399	507	906	1000	781	1130	99
00.51 - 01.00	16	237	747	984	1000	2881	1462	122
01.01 - 02.00	27	167	805	973	1000	8373	2909	254
02.01 - 04.00	40	105	855	960	1000	11713	2202	190
04.01 - 10.00	56	83	861	944	1000	16504	1575	133
10.01 & above	-	56	944	1000	1000	9200	377	33
all	50	183	767	950	1000	49942	10188	883

** Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Rajasthan

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(< 0.01)	-	1000	-	1000	1000	7	16	1
00.01 - 00.20	436	205	359	564	1000	897	457	22
00.21 - 00.50	188	285	526	812	1000	646	979	49
00.51 - 01.00	79	195	726	921	1000	1660	1377	65
01.01 - 02.00	79	173	748	921	1000	3810	1684	88
02.01 - 04.00	26	81	893	974	1000	6608	1535	86
04.01 - 10.00	26	83	891	974	1000	10793	1199	73
10.01 & above	56	-	944	944	1000	6723	365	26
all	94	154	752	906	1000	31144	7613	410
Villages without government canal								
nil(< 0.01)	272	172	557	728	1000	978	290	18
00.01 - 00.20	468	336	197	532	1000	564	1616	88
00.21 - 00.50	295	302	402	705	1000	4785	6720	361
00.51 - 01.00	319	232	448	681	1000	7820	7205	379
01.01 - 02.00	308	161	532	692	1000	18372	9333	495
02.01 - 04.00	329	153	518	671	1000	30079	8130	452
04.01 - 10.00	502	131	368	498	1000	46141	6715	378
10.01 & above	629	70	301	371	1000	25421	1643	98
all	362	193	445	638	1000	134161	41651	2269
All villages								
nil(< 0.01)	258	215	528	742	1000	985	306	19
00.01 - 00.20	461	307	232	539	1000	1461	2073	110
00.21 - 00.50	279	308	414	721	1000	5472	7782	415
00.51 - 01.00	280	228	492	720	1000	9512	8603	445
01.01 - 02.00	273	162	565	727	1000	22182	11017	583
02.01 - 04.00	280	143	576	720	1000	36728	9684	539
04.01 - 10.00	430	123	447	570	1000	56934	7914	451
10.01 & above	525	57	418	475	1000	32144	2009	124
all	320	189	492	680	1000	165418	49388	2686

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Sikkim

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(< 0.01)	909	-	91	91	1000	2	10	9
00.01 - 00.20	519	-	481	481	1000	5	19	23
00.21 - 00.50	166	-	834	834	1000	8	19	21
00.51 - 01.00	267	68	664	733	1000	9	13	15
01.01 - 02.00	318	82	600	682	1000	10	11	10
02.01 - 04.00	-	-	1000	1000	1000	6	3	3
04.01 - 10.00	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-
all	387	24	589	613	1000	40	75	81
Villages without government canal								
nil(< 0.01)	728	-	272	272	1000	30	49	65
00.01 - 00.20	669	-	331	331	1000	16	74	86
00.21 - 00.50	564	24	412	436	1000	63	158	192
00.51 - 01.00	465	17	517	535	1000	81	107	118
01.01 - 02.00	515	17	468	485	1000	103	72	80
02.01 - 04.00	478	-	522	522	1000	81	35	38
04.01 - 10.00	-	298	702	1000	1000	13	3	4
10.01 & above	-	-	1000	1000	1000	4	1	1
all	556	16	428	444	1000	392	499	584
All villages								
nil(< 0.01)	766	-	234	234	1000	32	60	76
00.01 - 00.20	645	-	355	355	1000	22	95	111
00.21 - 00.50	528	21	451	472	1000	72	180	216
00.51 - 01.00	449	23	528	551	1000	92	123	136
01.01 - 02.00	500	25	475	500	1000	114	85	92
02.01 - 04.00	432	-	568	568	1000	89	38	42
04.01 - 10.00	-	298	702	1000	1000	13	3	4
10.01 & above	-	-	1000	1000	1000	4	1	1
all	541	17	442	459	1000	438	586	678

** Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Tamil Nadu

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	92	423	485	908	1000	78	149	9
00.01 - 00.20	179	196	625	821	1000	272	1768	98
00.21 - 00.50	37	269	694	963	1000	1450	3303	189
00.51 - 01.00	95	254	651	905	1000	2192	2400	128
01.01 - 02.00	98	151	750	902	1000	2763	1632	84
02.01 - 04.00	93	136	771	907	1000	2791	961	50
04.01 - 10.00	106	39	854	894	1000	1653	303	15
10.01 & above	-	-	1000	1000	1000	289	24	1
all	91	218	691	909	1000	11489	10540	574
Villages without government canal								
nil(<0.01)	244	254	503	756	1000	221	557	32
00.01 - 00.20	315	235	450	685	1000	418	2416	149
00.21 - 00.50	239	228	532	761	1000	2991	7146	420
00.51 - 01.00	208	186	606	792	1000	5469	6486	355
01.01 - 02.00	166	172	662	834	1000	6434	4283	234
02.01 - 04.00	115	138	747	885	1000	4217	1723	86
04.01 - 10.00	170	93	737	830	1000	3064	642	26
10.01 & above	-	90	910	1000	1000	313	25	2
all	214	197	589	786	1000	23128	23278	1304
All villages								
nil(<0.01)	211	289	499	789	1000	299	707	41
00.01 - 00.20	257	219	524	743	1000	690	4184	247
00.21 - 00.50	175	241	584	825	1000	4450	10470	610
00.51 - 01.00	176	203	620	824	1000	7714	8949	487
01.01 - 02.00	153	164	683	847	1000	9283	5976	321
02.01 - 04.00	107	138	756	893	1000	7008	2684	136
04.01 - 10.00	147	74	779	853	1000	4817	966	42
10.01 & above	-	46	954	1000	1000	603	49	3
all	176	203	622	824	1000	34863	33985	1887

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Tripura

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	-	-	-	-	-	-	-	-
00.01 - 00.20	226	177	597	774	1000	14	75	15
00.21 - 00.50	82	155	763	918	1000	38	97	23
00.51 - 01.00	-	309	691	1000	1000	85	107	22
01.01 - 02.00	178	166	655	822	1000	40	28	6
02.01 - 04.00	-	-	1000	1000	1000	46	15	3
04.01 - 10.00	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-
all	93	205	702	907	1000	221	322	69
Villages without government canal								
nil(<0.01)	1000	-	-	-	1000	4	12	2
00.01 - 00.20	588	151	261	412	1000	50	402	90
00.21 - 00.50	444	165	392	556	1000	277	797	160
00.51 - 01.00	378	221	401	622	1000	380	499	101
01.01 - 02.00	479	207	315	521	1000	225	159	28
02.01 - 04.00	313	251	436	687	1000	70	44	10
04.01 - 10.00	415	-	585	585	1000	32	8	2
10.01 & above	-	-	-	-	-	-	-	-
all	460	180	360	540	1000	1037	1922	393
All villages								
nil(<0.01)	412	353	235	588	1000	15	43	8
00.01 - 00.20	543	151	306	457	1000	66	490	110
00.21 - 00.50	410	161	429	590	1000	323	910	187
00.51 - 01.00	327	245	427	673	1000	515	652	134
01.01 - 02.00	488	194	318	512	1000	318	215	40
02.01 - 04.00	249	266	485	751	1000	147	71	16
04.01 - 10.00	415	-	585	585	1000	32	8	2
10.01 & above	-	-	-	-	-	-	-	-
all	417	191	392	583	1000	1415	2389	497

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: Uttar Pradesh

size-class of ownership holding (ha)	unirri-gated	irrigated: with irrigation services hired	irrigated: others	irrigated: all	all	estd. area under 5 major crops*	no. of FCC households: estd. (00)	no. of FCC households: sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	-	832	168	1000	1000	107	88	5
00.01 - 00.20	70	668	262	930	1000	2485	9437	462
00.21 - 00.50	36	702	262	964	1000	7776	12355	583
00.51 - 01.00	30	620	350	970	1000	14666	11509	495
01.01 - 02.00	7	480	513	993	1000	17581	8086	344
02.01 - 04.00	20	394	586	980	1000	17370	4475	184
04.01 - 10.00	33	223	744	967	1000	12765	1569	64
10.01 & above	-	413	587	1000	1000	1636	115	5
all	35	592	373	965	1000	74384	47634	2142
Villages without government canal								
nil(<0.01)	6	877	117	994	1000	835	510	24
00.01 - 00.20	157	726	117	843	1000	5725	20944	961
00.21 - 00.50	236	625	139	764	1000	21794	37889	1479
00.51 - 01.00	127	617	256	873	1000	33870	28452	1154
01.01 - 02.00	121	462	416	879	1000	44191	21094	843
02.01 - 04.00	23	381	595	977	1000	37094	9353	411
04.01 - 10.00	6	230	764	994	1000	25521	3464	161
10.01 & above	-	294	706	1000	1000	3951	281	14
all	153	583	264	847	1000	172981	121987	5047
All villages								
nil(<0.01)	5	871	124	995	1000	942	599	29
00.01 - 00.20	130	707	163	870	1000	8230	30448	1426
00.21 - 00.50	185	645	170	815	1000	29992	50848	2087
00.51 - 01.00	98	619	283	902	1000	49080	40361	1665
01.01 - 02.00	89	469	443	911	1000	62695	29586	1205
02.01 - 04.00	22	384	594	978	1000	55575	14076	606
04.01 - 10.00	14	227	758	986	1000	38392	5049	226
10.01 & above	-	329	671	1000	1000	5587	396	19
all	119	586	295	881	1000	250492	171362	7263

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: West Bengal

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	359	382	259	641	1000	98	270	13
00.01 - 00.20	167	484	349	833	1000	1025	4588	227
00.21 - 00.50	199	430	371	801	1000	2798	5696	270
00.51 - 01.00	136	538	326	864	1000	3987	3662	156
01.01 - 02.00	105	509	385	895	1000	3467	1830	81
02.01 - 04.00	58	496	446	942	1000	1947	551	26
04.01 - 10.00	-	468	532	1000	1000	232	54	3
10.01 & above	-	-	-	-	-	-	-	-
all	163	479	358	837	1000	13554	16651	776
Villages without government canal								
nil(<0.01)	232	605	163	768	1000	1696	1693	73
00.01 - 00.20	374	463	163	626	1000	1821	10315	515
00.21 - 00.50	281	586	133	719	1000	6121	13080	666
00.51 - 01.00	261	512	227	739	1000	10984	10598	476
01.01 - 02.00	184	488	328	816	1000	8783	4753	215
02.01 - 04.00	219	326	455	781	1000	5256	1561	69
04.01 - 10.00	176	695	130	824	1000	1061	137	6
10.01 & above	-	1000	-	1000	1000	83	24	1
all	283	518	199	717	1000	35804	42161	2021
All villages								
nil(<0.01)	254	571	175	746	1000	1795	1976	87
00.01 - 00.20	312	466	221	688	1000	2917	15261	758
00.21 - 00.50	255	534	210	745	1000	9347	19727	972
00.51 - 01.00	230	518	252	770	1000	15448	14715	650
01.01 - 02.00	162	487	352	838	1000	12485	6730	302
02.01 - 04.00	172	362	466	828	1000	7423	2164	97
04.01 - 10.00	126	631	243	874	1000	1293	191	9
10.01 & above	-	1000	-	1000	1000	83	24	1
all	250	504	247	750	1000	50792	60788	2876

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most-important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: A. & N. Islands

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(<0.01)	-	-	-	-	-	-	-	-
00.01 - 00.20	1000	-	-	-	1000	0	2	2
00.21 - 00.50	-	-	1000	1000	1000	1	3	2
00.51 - 01.00	48	271	682	952	1000	6	9	8
01.01 - 02.00	605	-	395	395	1000	10	6	5
02.01 - 04.00	179	-	821	821	1000	18	6	5
04.01 - 10.00	-	-	1000	1000	1000	5	1	1
10.01 & above	-	-	-	-	-	-	-	-
all	271	91	638	729	1000	40	28	23
Villages without government canal								
nil(<0.01)	399	-	601	601	1000	25	21	20
00.01 - 00.20	849	-	151	151	1000	0	7	6
00.21 - 00.50	1000	-	-	-	1000	0	3	5
00.51 - 01.00	684	-	316	316	1000	3	7	8
01.01 - 02.00	901	-	99	99	1000	10	10	14
02.01 - 04.00	855	73	73	145	1000	30	14	15
04.01 - 10.00	792	-	208	208	1000	12	4	4
10.01 & above	-	-	-	-	-	-	-	-
all	701	15	283	299	1000	81	68	72
All villages								
nil(<0.01)	615	-	385	385	1000	39	33	25
00.01 - 00.20	884	-	116	116	1000	0	9	8
00.21 - 00.50	532	-	468	468	1000	2	5	7
00.51 - 01.00	321	154	525	679	1000	9	17	16
01.01 - 02.00	834	-	166	166	1000	22	22	21
02.01 - 04.00	654	51	295	346	1000	48	20	20
04.01 - 10.00	590	-	410	410	1000	17	6	5
10.01 & abosve	-	-	-	-	-	-	-	-
all	638	32	330	362	1000	138	113	102

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 4: Per 1000 distribution of field-crop cultivator households by status of irrigation of area under five major crops, separately for different size-classes of household ownership holding, in villages with government canals and other villages

State: India

size-class of ownership holding (ha)	unirri-gated	irrigated			all	estd. area under 5 major crops*	no. of FCC households	
		with irrigation services hired	others	all			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Villages with government canal								
nil(< 0.01)	278	374	347	722	1000	1744	2132	117
00.01 - 00.20	268	381	351	732	1000	9307	35384	1981
00.21 - 00.50	202	399	399	798	1000	28978	50633	2859
00.51 - 01.00	168	366	465	832	1000	49787	43894	2242
01.01 - 02.00	149	270	581	851	1000	76531	37755	1927
02.01 - 04.00	122	196	682	878	1000	81964	21856	1141
04.01 - 10.00	95	127	777	905	1000	87310	11434	614
10.01 & above	29	54	917	971	1000	33140	1797	105
all	181	325	494	819	1000	368760	204886	10986
Villages without government canal								
nil(< 0.01)	463	332	204	537	1000	9339	8495	773
00.01 - 00.20	429	370	200	571	1000	17086	86999	5670
00.21 - 00.50	409	379	211	591	1000	70458	138500	8446
00.51 - 01.00	404	319	277	596	1000	136668	134644	7917
01.01 - 02.00	401	249	351	599	1000	225302	123538	7201
02.01 - 04.00	378	180	442	622	1000	250683	74996	4513
04.01 - 10.00	341	128	531	659	1000	234176	35692	2084
10.01 & above	339	86	575	661	1000	83521	5288	312
all	401	296	303	599	1000	1027232	608152	36916
All villages								
nil(< 0.01)	427	337	236	573	1000	11503	10806	914
00.01 - 00.20	384	373	243	616	1000	26575	123414	7726
00.21 - 00.50	354	386	261	646	1000	100803	191767	11440
00.51 - 01.00	346	332	323	654	1000	188584	180495	10274
01.01 - 02.00	342	254	404	658	1000	304245	162612	9215
02.01 - 04.00	320	183	497	680	1000	336368	97772	5712
04.01 - 10.00	282	127	590	718	1000	323143	47354	2716
10.01 & above	261	77	662	739	1000	117611	7168	422
all	346	303	350	654	1000	1408832	821388	48419

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5: Per 1000 distribution of area under five major crops* by use of tractor and size-class of household ownership holding

size-class of ownership holding (ha)	use of tractor for tilling: by hired tractor entirely	by hired tractor partly	by other tractor entirely	by other tractor partly	not used	all	estd. area under 5 major crops (00ha)	no. of hhs. reporting use of tractor/power tiller: estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Andhra Pradesh									
nil (<0.01)	435	-	20	-	545	1000	1109	424	19
00.01 - 00.20	413	127	28	-	431	1000	1077	2028	85
00.21 - 00.50	267	75	84	12	561	1000	6374	4288	197
00.51 - 01.00	290	100	30	19	561	1000	11125	5303	213
01.01 - 02.00	310	112	40	24	514	1000	17640	5155	213
02.01 - 04.00	298	144	53	18	487	1000	19148	3414	152
04.01 - 10.00	242	99	196	33	431	1000	19089	2096	88
10.01 & above	119	76	240	96	469	1000	6700	237	15
all	273	108	97	28	494	1000	82260	22945	982
Arunachal Pradesh									
nil (<0.01)	-	-	-	-	1000	1000	142	-	-
00.01 - 00.20	-	13	-	-	987	1000	10	1	1
00.21 - 00.50	-	6	16	-	978	1000	61	3	2
00.51 - 01.00	5	43	-	14	938	1000	117	10	7
01.01 - 02.00	22	17	72	5	883	1000	287	22	12
02.01 - 04.00	-	42	106	-	851	1000	307	16	11
04.01 - 10.00	-	14	-	-	986	1000	281	1	1
10.01 & above	-	320	-	43	637	1000	62	4	3
all	5	37	43	5	910	1000	1266	58	37
Assam									
nil (<0.01)	-	-	-	82	918	1000	204	14	1
00.01 - 00.20	4	-	2	-	994	1000	394	27	4
00.21 - 00.50	15	24	-	2	959	1000	1640	126	16
00.51 - 01.00	22	12	-	3	963	1000	6278	252	23
01.01 - 02.00	10	26	8	15	941	1000	11087	456	40
02.01 - 04.00	48	68	45	12	828	1000	7850	404	35
04.01 - 10.00	84	112	99	37	669	1000	3164	194	15
10.01 & above	-	-	-	-	-	-	-	-	-
all	30	42	25	14	890	1000	30618	1474	134

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5: Per 1000 distribution of area under five major crops* by use of tractor and size-class of household ownership holding

size-class of ownership holding (ha)	use of tractor for tilling: by hired tractor entirely	by hired tractor partly	by other tractor entirely	by other tractor partly	not used	all	estd. area under 5 major crops (00ha)	no. of hhs. reporting use of tractor/power tiller: estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Bihar									
nil (<0.01)	145	84	23	-	747	1000	3740	552	33
00.01 - 00.20	151	169	35	5	639	1000	4376	5711	312
00.21 - 00.50	194	162	21	3	619	1000	14383	8368	452
00.51 - 01.00	184	162	26	14	614	1000	24522	7206	352
01.01 - 02.00	185	178	49	14	574	1000	33955	6213	312
02.01 - 04.00	214	208	89	36	453	1000	28125	3500	172
04.01 - 10.00	211	211	207	29	343	1000	17326	1383	69
10.01 & above	78	-	647	70	204	1000	8158	165	9
all	186	170	105	22	516	1000	134585	33098	1711
Gujarat									
nil (<0.01)	165	222	91	-	522	1000	113	75	3
00.01 - 00.20	647	73	19	-	261	1000	467	626	27
00.21 - 00.50	351	232	9	9	399	1000	4301	3912	196
00.51 - 01.00	306	233	31	23	408	1000	6386	3242	150
01.01 - 02.00	389	178	45	13	375	1000	12302	4138	205
02.01 - 04.00	325	161	125	14	375	1000	19218	3557	176
04.01 - 10.00	328	116	232	3	321	1000	23963	2537	130
10.01 & above	233	59	605	-	103	1000	7030	446	25
all	330	149	177	9	335	1000	73780	18534	912
Haryana									
nil (<0.01)	331	405	264	-	-	1000	266	109	5
00.01 - 00.20	707	155	-	96	43	1000	1365	502	23
00.21 - 00.50	628	30	193	50	100	1000	1940	1669	82
00.51 - 01.00	843	94	3	-	60	1000	2907	1756	81
01.01 - 02.00	711	101	107	-	81	1000	7757	2776	128
02.01 - 04.00	456	155	324	10	55	1000	10536	2238	111
04.01 - 10.00	243	56	611	24	65	1000	12695	1550	74
10.01 & above	163	-	837	-	-	1000	4622	229	13
all	48	90	388	15	58	1000	42089	10828	517

* *Note*

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2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5: Per 1000 distribution of area under five major crops* by use of tractor and size-class of household ownership holding

size-class of ownership holding (ha)	use of tractor for tilling: by hired tractor: entirely	by hired tractor: partly	by other tractor: entirely	by other tractor: partly	not used	all	estd. area under 5 major crops (00ha)	no. of hhs. reporting use of tractor/power tiller: estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Himachal Pradesh									
nil (<0.01)	218	303	-	-	479	1000	34	21	3
00.01 - 00.20	140	21	-	2	836	1000	351	232	46
00.21 - 00.50	82	29	8	-	881	1000	1606	353	67
00.51 - 01.00	106	27	7	4	855	1000	2228	330	58
01.01 - 02.00	72	57	15	2	853	1000	2245	173	30
02.01 - 04.00	37	114	-	11	838	1000	1474	78	13
04.01 - 10.00	-	200	62	34	704	1000	538	22	4
10.01 & above	61	-	-	-	939	1000	111	6	1
all	76	62	11	6	846	1000	8587	1214	222
Jammu & Kashmir									
nil (<0.01)	-	-	-	-	1000	1000	5	-	-
00.01 - 00.20	135	75	-	5	785	1000	225	212	48
00.21 - 00.50	175	114	1	4	707	1000	1464	936	166
00.51 - 01.00	227	111	-	5	657	1000	2149	887	141
01.01 - 02.00	214	119	14	15	638	1000	2018	380	89
02.01 - 04.00	234	146	52	-	568	1000	1335	145	34
04.01 - 10.00	-	175	431	-	393	1000	351	21	8
10.01 & above	-	-	-	-	-	-	-	-	-
all	201	122	33	6	638	1000	7547	2580	486
Karnataka									
nil (<0.01)	-	-	-	-	1000	1000	99	-	-
00.01 - 00.20	10	-	-	-	990	1000	464	24	1
00.21 - 00.50	26	27	-	-	948	1000	2910	343	14
00.51 - 01.00	70	40	7	1	883	1000	9132	967	42
01.01 - 02.00	72	50	12	2	863	1000	20571	1911	80
02.01 - 04.00	92	95	51	7	755	1000	22063	1905	77
04.01 - 10.00	126	126	39	31	677	1000	24961	1442	64
10.01 & above	111	312	255	-	321	1000	10397	520	22
all	94	110	56	11	729	1000	90596	7112	300

* *Note*

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size-class of ownership holding (ha)	use of tractor for tilling: by hired tractor entirely	by hired tractor partly	by other tractor entirely	by other tractor partly	not used	all	estd. area under 5 major crops (00ha)	no. of hhs. reporting use of tractor/power tiller: estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Kerala									
nil (<0.01)	-	-	-	-	1000	1000	1	-	-
00.01 - 00.20	31	10	11	4	944	1000	1332	519	34
00.21 - 00.50	135	12	25	2	825	1000	1935	1011	67
00.51 - 01.00	130	10	29	2	829	1000	2091	912	58
01.01 - 02.00	77	18	13	17	875	1000	2082	464	28
02.01 - 04.00	212	-	20	8	760	1000	1011	194	12
04.01 - 10.00	27	-	18	108	847	1000	787	49	3
10.01 & above	-	-	-	-	1000	1000	360	-	-
all	101	10	19	15	855	1000	9599	3149	202
Madhya Pradesh									
nil (<0.01)	20	7	374	-	599	1000	765	66	3
00.01 - 00.20	205	38	8	-	749	1000	528	437	24
00.21 - 00.50	210	24	2	2	763	1000	4893	1964	104
00.51 - 01.00	179	53	11	0	757	1000	15992	3032	158
01.01 - 02.00	171	57	11	2	759	1000	42582	4547	242
02.01 - 04.00	130	67	58	5	739	1000	66204	4210	229
04.01 - 10.00	174	105	128	21	572	1000	63206	3116	172
10.01 & above	101	39	691	57	111	1000	19829	833	51
all	154	71	124	14	637	1000	213999	18206	983
Maharashtra									
nil (<0.01)	-	-	-	-	1000	1000	174	-	-
00.01 - 00.20	80	1	-	-	919	1000	827	334	17
00.21 - 00.50	97	14	-	1	888	1000	3301	919	45
00.51 - 01.00	76	15	3	2	904	1000	10062	1321	63
01.01 - 02.00	114	16	14	3	853	1000	24077	2532	118
02.01 - 04.00	78	12	28	4	878	1000	30564	1508	71
04.01 - 10.00	106	45	32	-	817	1000	33809	1204	54
10.01 & above	107	8	138	45	701	1000	11154	254	12
all	97	23	34	6	840	1000	113969	8072	380

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size-class of ownership holding (ha)	use of tractor for tilling: by hired tractor entirely	by hired tractor partly	by other tractor entirely	by other tractor partly	not used	all	estd. area under 5 major crops (00ha)	no. of hhs. reporting use of tractor/power tiller: estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Manipur									
nil (< 0.01)	306	59	-	-	636	1000	224	35	9
00.01 - 00.20	83	45	4	-	868	1000	15	22	7
00.21 - 00.50	234	232	44	7	483	1000	159	268	81
00.51 - 01.00	174	169	5	13	640	1000	564	303	104
01.01 - 02.00	349	183	15	5	427	1000	414	189	66
02.01 - 04.00	562	173	-	14	251	1000	164	58	21
04.01 - 10.00	560	-	-	-	440	1000	28	4	2
10.01 & above	-	-	-	-	-	-	-	-	-
all	292	160	10	8	525	1000	1566	879	290
Meghalaya									
nil (< 0.01)	-	-	-	-	1000	1000	2	-	-
00.01 - 00.20	-	-	-	-	1000	1000	102	-	-
00.21 - 00.50	-	-	-	-	1000	1000	302	-	-
00.51 - 01.00	-	-	-	-	1000	1000	658	-	-
01.01 - 02.00	-	5	-	-	995	1000	777	3	1
02.01 - 04.00	7	9	4	2	978	1000	938	13	4
04.01 - 10.00	-	48	-	-	952	1000	391	8	3
10.01 & above	-	-	-	-	-	-	-	-	-
all	2	10	1	1	986	1000	3171	24	8
Mizoram									
nil (< 0.01)	-	-	-	1	999	1000	74	0	1
00.01 - 00.20	-	-	-	-	1000	1000	251	-	-
00.21 - 00.50	-	-	-	2	998	1000	31	0	1
00.51 - 01.00	-	-	-	25	975	1000	48	1	2
01.01 - 02.00	-	-	-	-	1000	1000	72	-	-
02.01 - 04.00	-	-	-	-	1000	1000	25	-	-
04.01 - 10.00	-	-	-	-	1000	1000	7	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	3	997	1000	508	1	4

* *Note*

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size-class of ownership holding (ha)	use of tractor for tilling: by hired tractor entirely	by hired tractor partly	by other tractor entirely	by other tractor partly	not used	all	estd. area under 5 major crops (00ha)	no. of hhs. reporting use of tractor/power tiller: estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Nagaland									
nil (< 0.01)	-	-	-	-	1000	1000	26	-	-
00.01 - 00.20	-	-	-	-	1000	1000	3	-	-
00.21 - 00.50	-	-	-	-	1000	1000	10	-	-
00.51 - 01.00	-	-	-	-	1000	1000	62	-	-
01.01 - 02.00	4	-	-	-	996	1000	302	1	1
02.01 - 04.00	-	3	-	-	997	1000	813	1	1
04.01 - 10.00	-	-	5	-	995	1000	891	2	2
10.01 & above	-	-	-	-	1000	1000	84	-	-
all	1	1	2	-	996	1000	2190	5	4
Orissa									
nil (< 0.01)	14	36	-	-	950	1000	64	18	1
00.01 - 00.20	27	73	-	2	897	1000	1130	492	32
00.21 - 00.50	17	50	3	7	923	1000	4953	756	46
00.51 - 01.00	15	56	6	7	915	1000	8882	983	51
01.01 - 02.00	33	72	8	14	874	1000	10467	951	53
02.01 - 04.00	25	76	-	54	845	1000	7779	374	20
04.01 - 10.00	43	107	-	101	749	1000	3596	105	5
10.01 & above	-	-	-	-	1000	1000	1406	-	-
all	25	67	4	27	878	1000	38276	3679	208
Punjab									
nil (< 0.01)	458	-	542	-	-	1000	257	50	5
00.01 - 00.20	519	263	8	-	210	1000	234	372	34
00.21 - 00.50	753	79	49	-	119	1000	781	961	83
00.51 - 01.00	555	152	225	18	50	1000	2881	1352	112
01.01 - 02.00	563	71	306	1	60	1000	8373	2667	232
02.01 - 04.00	311	69	556	29	35	1000	11713	2115	183
04.01 - 10.00	184	12	773	3	29	1000	16504	1517	128
10.01 & above	32	-	968	-	-	1000	9200	377	33
all	282	43	632	9	34	1000	49942	9412	810

* *Note*

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2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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size-class of ownership holding (ha)	use of tractor for tilling: by hired tractor entirely	by hired tractor partly	by other tractor entirely	by other tractor partly	not used	all	estd. area under 5 major crops (00ha)	no. of hhs. reporting use of tractor/power tiller: estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Rajasthan									
nil (< 0.01)	864	124	-	-	12	1000	985	306	19
00.01 - 00.20	546	194	96	-	164	1000	1461	878	49
00.21 - 00.50	594	46	22	4	334	1000	5472	4270	239
00.51 - 01.00	545	67	35	4	349	1000	9512	5125	276
01.01 - 02.00	665	73	63	8	191	1000	22182	8301	446
02.01 - 04.00	729	73	91	5	102	1000	36728	8523	479
04.01 - 10.00	634	72	209	30	55	1000	56934	7440	424
10.01 & above	524	49	375	22	31	1000	32144	1973	122
all	632	68	177	17	106	1000	165418	36816	2054
Sikkim									
nil (< 0.01)	-	-	-	-	1000	1000	32	-	-
00.01 - 00.20	-	-	-	-	1000	1000	22	-	-
00.21 - 00.50	-	14	-	-	986	1000	72	1	1
00.51 - 01.00	-	-	-	-	1000	1000	92	-	-
01.01 - 02.00	-	-	-	-	1000	1000	114	-	-
02.01 - 04.00	-	-	-	-	1000	1000	89	-	-
04.01 - 10.00	-	-	-	-	1000	1000	13	-	-
10.01 & above	-	-	-	-	1000	1000	4	-	-
all	-	2	-	-	998	1000	438	1	1
Tamil Nadu									
nil (< 0.01)	259	150	140	-	452	1000	299	265	15
00.01 - 00.20	319	35	34	7	605	1000	690	1090	59
00.21 - 00.50	321	74	35	7	563	1000	4450	4567	257
00.51 - 01.00	351	91	27	6	525	1000	7714	4232	226
01.01 - 02.00	395	113	56	19	417	1000	9283	3655	198
02.01 - 04.00	474	29	114	15	368	1000	7008	1870	93
04.01 - 10.00	398	59	357	19	167	1000	4817	840	36
10.01 & above	480	-	366	124	30	1000	603	49	3
all	391	76	106	15	413	1000	34863	16568	887

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5: Per 1000 distribution of area under five major crops* by use of tractor and size-class of household ownership holding

size-class of ownership holding (ha)	use of tractor for tilling: by hired tractor entirely	by hired tractor partly	by other tractor entirely	by other tractor partly	not used	all	estd. area under 5 major crops (00ha)	no. of hhs. reporting use of tractor/power tiller: estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Tripura									
nil (< 0.01)	-	-	-	322	678	1000	15	5	1
00.01 - 00.20	190	11	13	12	775	1000	66	104	18
00.21 - 00.50	265	50	23	23	638	1000	323	356	63
00.51 - 01.00	240	36	74	22	627	1000	515	275	49
01.01 - 02.00	251	102	-	3	644	1000	318	94	17
02.01 - 04.00	136	11	444	-	409	1000	147	41	8
04.01 - 10.00	-	-	-	-	1000	1000	32	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	227	49	79	18	627	1000	1415	874	156
Uttar Pradesh									
nil (< 0.01)	745	37	-	5	213	1000	942	442	22
00.01 - 00.20	523	75	17	1	385	1000	8230	18372	871
00.21 - 00.50	582	73	13	2	330	1000	29992	32507	1503
00.51 - 01.00	554	104	34	3	306	1000	49080	27664	1179
01.01 - 02.00	549	103	66	4	279	1000	62695	20789	894
02.01 - 04.00	506	116	187	5	186	1000	55575	11335	484
04.01 - 10.00	270	97	480	25	128	1000	38392	4315	191
10.01 & above	345	-	646	-	10	1000	5587	396	19
all	497	98	155	7	244	1000	250492	115819	5163
West Bengal									
nil (< 0.01)	543	69	109	-	278	1000	1795	1199	45
00.01 - 00.20	388	63	5	3	542	1000	2917	5807	291
00.21 - 00.50	320	109	1	6	565	1000	9347	8255	398
00.51 - 01.00	258	121	11	14	596	1000	15448	5944	255
01.01 - 02.00	194	206	21	18	560	1000	12485	2999	131
02.01 - 04.00	270	218	44	35	432	1000	7423	1228	52
04.01 - 10.00	102	535	48	19	296	1000	1293	140	6
10.01 & above	-	1000	-	-	-	1000	83	24	1
all	269	161	21	16	534	1000	50792	25596	1179

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5: Per 1000 distribution of area under five major crops* by use of tractor and size-class of household ownership holding

size-class of ownership holding (ha)	use of tractor for tilling						estd. area under 5 major crops (00ha)	no. of hhs. reporting use of tractor/power tiller	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
A. & N. Islands									
nil (< 0.01)	-	-	-	-	1000	1000	39	-	-
00.01 - 00.20	-	-	-	-	1000	1000	0	-	-
00.21 - 00.50	-	-	-	-	1000	1000	2	-	-
00.51 - 01.00	116	38	-	-	845	1000	9	2	2
01.01 - 02.00	177	98	-	-	725	1000	22	4	4
02.01 - 04.00	104	227	-	31	639	1000	48	7	6
04.01 - 10.00	253	-	-	-	747	1000	17	1	1
10.01 & above	-	-	-	-	-	-	-	-	-
all	105	98	-	11	787	1000	138	14	13
India									
nil (< 0.01)	351	70	74	2	503	1000	11503	3605	186
00.01 - 00.20	350	92	20	7	531	1000	26575	37873	2003
00.21 - 00.50	350	85	20	5	540	1000	100803	75916	4097
00.51 - 01.00	311	95	25	7	562	1000	188584	71152	3615
01.01 - 02.00	312	94	46	8	539	1000	304245	68448	3550
02.01 - 04.00	300	100	110	12	478	1000	336368	46740	2447
04.01 - 10.00	275	94	236	22	374	1000	323143	27998	1482
10.01 & above	234	57	491	31	187	1000	117611	5514	329
all	298	92	137	14	460	1000	1408832	337247	17709

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Andhra Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (< 0.01)	690	-	31	-	279	1000	363	453	19
00.01 - 00.20	473	89	26	-	412	1000	510	2850	130
00.21 - 00.50	273	107	103	12	506	1000	2789	7666	373
00.51 - 01.00	292	138	31	23	517	1000	4368	7288	342
01.01 - 02.00	362	141	33	40	424	1000	6052	6104	266
02.01 - 04.00	349	208	70	24	349	1000	5333	3545	168
04.01 - 10.00	218	147	354	36	245	1000	4498	1878	89
10.01 & above	138	211	474	52	125	1000	1301	305	18
all	307	152	128	29	384	1000	25215	30089	1405
Paddy(*rabi*)									
nil (< 0.01)	927	-	68	-	5	1000	164	201	9
00.01 - 00.20	687	70	53	-	190	1000	200	1189	47
00.21 - 00.50	620	106	20	8	246	1000	660	1647	72
00.51 - 01.00	529	159	23	24	265	1000	1315	2002	79
01.01 - 02.00	634	126	48	24	168	1000	1962	1790	68
02.01 - 04.00	435	263	44	48	210	1000	1881	1066	50
04.01 - 10.00	190	224	385	47	153	1000	1862	827	36
10.01 & above	186	-	647	-	168	1000	101	71	4
all	470	178	126	32	193	1000	8145	8793	365
other cereals									
nil (< 0.01)	-	-	-	-	1000	1000	245	87	5
00.01 - 00.20	82	583	-	-	335	1000	115	324	17
00.21 - 00.50	80	48	49	-	824	1000	517	1790	91
00.51 - 01.00	144	38	19	10	789	1000	1212	2605	129
01.01 - 02.00	156	75	25	10	734	1000	2030	2835	141
02.01 - 04.00	202	68	47	26	657	1000	2056	2013	110
04.01 - 10.00	131	68	48	-	753	1000	1945	994	53
10.01 & above	-	-	55	-	945	1000	583	198	7
all	139	65	37	10	750	1000	8705	10838	553

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Andhra Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling				not used	all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor					estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Pulses									
nil (<0.01)	-	-	-	-	1000	1000	85	48	2
00.01 - 00.20	159	36	55	-	750	1000	64	296	15
00.21 - 00.50	111	38	286	15	551	1000	637	1600	75
00.51 - 01.00	297	33	58	25	587	1000	941	1876	80
01.01 - 02.00	278	45	39	-	638	1000	1527	1885	88
02.01 - 04.00	223	49	47	1	680	1000	1536	1293	62
04.01 - 10.00	210	38	193	43	516	1000	1915	908	39
10.01 & above	290	-	218	-	491	1000	347	165	5
all	231	39	116	17	597	1000	7051	8069	366
oil seeds									
nil (<0.01)	150	-	-	-	850	1000	132	82	6
00.01 - 00.20	259	26	-	-	715	1000	69	455	25
00.21 - 00.50	132	-	9	1	859	1000	621	1730	81
00.51 - 01.00	351	29	-	-	620	1000	1176	2051	97
01.01 - 02.00	223	75	25	-	677	1000	2317	2621	127
02.01 - 04.00	322	58	3	1	616	1000	2875	1742	82
04.01 - 10.00	327	42	35	-	596	1000	3159	1165	52
10.01 & above	140	-	123	214	523	1000	2687	302	15
all	259	39	40	44	618	1000	13035	10148	485
mixed crop									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	18	102	4
00.21 - 00.50	-	102	-	115	783	1000	186	511	23
00.51 - 01.00	140	22	-	55	783	1000	367	537	25
01.01 - 02.00	117	140	-	79	664	1000	795	740	34
02.01 - 04.00	52	126	86	9	727	1000	1116	593	29
04.01 - 10.00	222	5	220	-	553	1000	1435	437	20
10.01 & above	-	398	177	-	426	1000	491	55	3
all	118	109	113	26	633	1000	4407	2976	138

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Andhra Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
sugar cane									
nil (< 0.01)	1000	-	-	-	-	1000	21	52	2
00.01 - 00.20	639	150	-	-	211	1000	25	213	9
00.21 - 00.50	325	51	-	8	617	1000	137	518	24
00.51 - 01.00	294	265	81	-	361	1000	242	475	21
01.01 - 02.00	348	89	158	-	405	1000	335	500	22
02.01 - 04.00	494	88	181	82	155	1000	452	446	21
04.01 - 10.00	441	-	364	-	194	1000	474	291	13
10.01 & above	-	-	-	-	-	-	-	-	-
all	416	86	194	23	282	1000	1686	2496	112
vegetables									
nil (< 0.01)	-	-	-	-	1000	1000	0	31	1
00.01 - 00.20	92	-	-	-	908	1000	10	63	4
00.21 - 00.50	671	139	-	-	190	1000	81	209	12
00.51 - 01.00	46	-	107	-	847	1000	200	484	24
01.01 - 02.00	267	209	196	-	328	1000	190	400	20
02.01 - 04.00	312	18	44	57	569	1000	220	593	31
04.01 - 10.00	153	12	230	-	605	1000	158	315	16
10.01 & above	-	-	553	-	447	1000	249	57	4
all	188	51	219	11	531	1000	1109	2152	112
fodder									
nil (< 0.01)	-	-	-	-	1000	1000	8	19	1
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	145	81	222	-	553	1000	54	275	15
00.51 - 01.00	49	-	-	-	951	1000	19	140	8
01.01 - 02.00	-	-	-	-	1000	1000	203	352	12
02.01 - 04.00	414	185	37	-	364	1000	236	206	13
04.01 - 10.00	580	-	-	-	420	1000	200	146	7
10.01 & above	-	-	-	-	-	-	-	-	-
all	309	67	29	-	595	1000	720	1137	56

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Andhra Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
fruits & nuts									
nil (<0.01)	-	-	-	-	1000	1000	7	19	1
00.01 - 00.20	183	-	-	-	817	1000	24	151	9
00.21 - 00.50	34	-	88	-	877	1000	128	413	19
00.51 - 01.00	-	50	-	-	950	1000	167	243	12
01.01 - 02.00	155	140	159	-	547	1000	267	270	13
02.01 - 04.00	174	201	-	-	626	1000	383	198	8
04.01 - 10.00	65	-	66	414	455	1000	514	224	8
10.01 & above	-	-	573	-	427	1000	238	34	2
all	87	71	130	123	590	1000	1728	1551	72
other cash crops									
nil (<0.01)	1000	-	-	-	-	1000	39	35	3
00.01 - 00.20	287	80	-	-	634	1000	28	165	8
00.21 - 00.50	404	37	-	15	544	1000	546	1327	65
00.51 - 01.00	234	118	47	23	578	1000	967	2104	101
01.01 - 02.00	228	162	55	22	533	1000	1643	2148	99
02.01 - 04.00	293	175	58	2	472	1000	2568	1840	93
04.01 - 10.00	370	209	100	-	321	1000	2078	1001	48
10.01 & above	241	80	241	-	438	1000	514	160	9
all	300	158	74	8	460	1000	8384	8779	426
others									
nil (<0.01)	-	-	-	-	1000	1000	44	107	2
00.01 - 00.20	-	-	283	-	717	1000	11	88	4
00.21 - 00.50	438	-	-	-	562	1000	17	119	7
00.51 - 01.00	-	-	-	-	1000	1000	97	189	9
01.01 - 02.00	206	-	85	77	633	1000	232	347	17
02.01 - 04.00	200	39	21	12	727	1000	397	405	23
04.01 - 10.00	148	39	132	-	682	1000	641	349	15
10.01 & above	-	-	-	-	1000	1000	190	95	1
all	141	25	71	14	750	1000	1629	1699	78

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Arunachal Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	-	-	-	-	1000	1000	27	53	26
00.01 - 00.20	-	41	-	-	959	1000	2	30	12
00.21 - 00.50	-	12	15	-	973	1000	29	157	66
00.51 - 01.00	10	55	-	22	912	1000	53	134	63
01.01 - 02.00	19	15	64	6	896	1000	166	227	90
02.01 - 04.00	-	81	122	-	796	1000	157	132	73
04.01 - 10.00	-	26	-	-	974	1000	148	125	69
10.01 & above	-	226	-	38	735	1000	44	11	8
all	6	52	48	6	888	1000	626	870	407
Paddy(*rabi*)									
nil (<0.01)	-	-	-	-	1000	1000	80	96	20
00.01 - 00.20	-	-	-	-	1000	1000	2	9	3
00.21 - 00.50	-	-	-	-	1000	1000	0	5	2
00.51 - 01.00	-	-	-	-	1000	1000	1	9	3
01.01 - 02.00	-	-	-	-	1000	1000	16	16	7
02.01 - 04.00	-	-	-	-	1000	1000	26	16	7
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	126	149	42
Wheat									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	-	-	-	-	1000	1000	1	8	5
00.51 - 01.00	-	-	-	-	1000	1000	7	26	14
01.01 - 02.00	-	-	-	-	1000	1000	6	14	7
02.01 - 04.00	-	-	-	-	1000	1000	21	43	20
04.01 - 10.00	-	-	-	-	1000	1000	3	7	4
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	38	98	50

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2 The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Arunachal Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
other cereals									
nil (< 0.01)	-	-	-	-	1000	1000	1	3	2
00.01 - 00.20	-	134	-	-	866	1000	0	9	7
00.21 - 00.50	-	-	-	-	1000	1000	4	63	31
00.51 - 01.00	-	53	-	22	925	1000	18	79	43
01.01 - 02.00	142	112	143	21	582	1000	22	81	45
02.01 - 04.00	-	-	138	-	862	1000	28	99	57
04.01 - 10.00	-	-	-	-	1000	1000	40	83	46
10.01 & above	-	427	-	44	529	1000	7	7	4
all	27	53	59	10	852	1000	119	424	235
Pulses									
nil (< 0.01)	-	-	-	-	1000	1000	2	2	2
00.01 - 00.20	-	-	-	-	1000	1000	0	2	1
00.21 - 00.50	-	-	-	-	1000	1000	0	13	6
00.51 - 01.00	-	-	-	-	1000	1000	2	18	10
01.01 - 02.00	-	-	-	-	1000	1000	2	21	15
02.01 - 04.00	-	-	-	-	1000	1000	10	65	40
04.01 - 10.00	-	-	-	-	1000	1000	8	45	29
10.01 & above	-	854	-	146	-	1000	2	3	2
all	-	52	-	9	939	1000	27	169	105
oil seeds									
nil (< 0.01)	-	-	-	-	1000	1000	0	2	1
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	-	-	-	-	1000	1000	0	13	6
00.51 - 01.00	-	-	-	-	1000	1000	1	10	6
01.01 - 02.00	-	-	-	-	1000	1000	2	17	12
02.01 - 04.00	-	-	-	-	1000	1000	3	26	16
04.01 - 10.00	-	-	-	-	1000	1000	2	7	4
10.01 & above	-	-	-	1000	-	1000	0	0	1
all	-	-	-	28	972	1000	9	76	46

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Arunachal Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
mixed crop									
nil (< 0.01)	-	-	-	-	1000	1000	0	5	2
00.01 - 00.20	-	-	-	-	1000	1000	4	28	14
00.21 - 00.50	-	-	-	-	1000	1000	6	58	21
00.51 - 01.00	-	-	-	-	1000	1000	13	53	28
01.01 - 02.00	-	-	78	-	922	1000	28	106	50
02.01 - 04.00	-	-	228	-	772	1000	16	73	40
04.01 - 10.00	-	-	-	-	1000	1000	71	133	70
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	42	-	958	1000	137	456	225
Vegetables									
nil (< 0.01)	-	-	-	-	1000	1000	22	168	58
00.01 - 00.20	-	-	-	-	1000	1000	1	26	12
00.21 - 00.50	-	-	90	-	910	1000	6	98	45
00.51 - 01.00	-	30	-	-	970	1000	13	101	58
01.01 - 02.00	-	-	122	-	878	1000	21	127	66
02.01 - 04.00	-	-	169	-	831	1000	17	114	64
04.01 - 10.00	-	-	-	-	1000	1000	8	47	30
10.01 & above	-	-	-	-	1000	1000	4	7	4
all	-	4	65	-	930	1000	93	689	337
fruits & nuts									
nil (< 0.01)	-	-	-	-	1000	1000	0	8	5
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	-	-	-	-	1000	1000	1	29	12
00.51 - 01.00	-	-	-	-	1000	1000	1	14	7
01.01 - 02.00	-	-	-	-	1000	1000	6	28	17
02.01 - 04.00	-	-	-	-	1000	1000	3	22	13
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	1000	-	1000	0	0	1
all	-	-	-	21	979	1000	11	101	55

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Arunachal Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
other cash crops									
nil (< 0.01)	-	-	-	-	1000	1000	5	22	6
00.01 - 00.20	-	-	-	-	1000	1000	0	9	2
00.21 - 00.50	-	-	-	-	1000	1000	1	10	7
00.51 - 01.00	-	-	-	-	1000	1000	5	55	23
01.01 - 02.00	-	-	-	-	1000	1000	9	35	13
02.01 - 04.00	-	-	-	-	1000	1000	12	10	6
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	33	140	57
Others									
nil (< 0.01)	-	-	-	-	1000	1000	3	29	11
00.01 - 00.20	-	-	-	-	1000	1000	0	15	4
00.21 - 00.50	-	-	-	-	1000	1000	4	27	12
00.51 - 01.00	-	496	-	-	504	1000	2	44	20
01.01 - 02.00	-	-	243	-	757	1000	8	63	30
02.01 - 04.00	-	2	254	-	744	1000	12	31	17
04.01 - 10.00	-	-	-	-	1000	1000	1	3	1
10.01 & above	-	1000	-	-	-	1000	6	3	1
all	-	179	141	-	680	1000	36	212	96

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Assam

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
Nil (<0.01 ha)	-	-	-	176	824	1000	87	179	25
00.01 - 00.20	11	-	-	-	989	1000	131	755	69
00.21 - 00.50	20	49	-	-	932	1000	809	2769	279
00.51 - 01.00	33	9	-	4	954	1000	3555	6240	527
01.01 - 02.00	12	32	9	16	931	1000	7214	6641	547
02.01 - 04.00	53	74	43	8	822	1000	4707	2418	194
04.01 - 10.00	123	134	91	30	622	1000	1921	509	41
10.01 & above	-	-	-	-	-	-	-	-	-
all	39	49	24	13	875	1000	18424	19511	1682
Paddy(*rabi*)									
nil (<0.01)	-	-	-	-	1000	1000	39	100	10
00.01 - 00.20	-	-	-	-	1000	1000	19	118	11
00.21 - 00.50	21	-	-	-	979	1000	210	581	59
00.51 - 01.00	22	-	-	-	978	1000	895	1481	130
01.01 - 02.00	1	-	-	-	999	1000	1370	1221	116
02.01 - 04.00	58	37	87	25	792	1000	1174	614	52
04.01 - 10.00	127	-	589	-	284	1000	224	75	6
10.01 & above	-	-	-	-	-	-	-	-	-
all	31	11	60	8	891	1000	3931	4190	384
wheat									
nil (<0.01)	-	-	-	-	1000	1000	4	11	1
00.01 - 00.20	-	-	-	-	1000	1000	21	296	28
00.21 - 00.50	-	-	-	-	1000	1000	65	325	30
00.51 - 01.00	-	-	-	-	1000	1000	223	877	75
01.01 - 02.00	1	10	59	-	930	1000	183	584	54
02.01 - 04.00	27	130	-	9	834	1000	270	398	42
04.01 - 10.00	-	142	-	214	644	1000	273	199	17
10.01 & above	-	-	-	-	-	-	-	-	-
all	7	73	10	58	851	1000	1039	2690	247

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Assam

size-class of ownership holding (ha)	mode of use of tractor for tilling				not used	all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor					estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
other cereals									
nil (< 0.01)	-	-	-	-	1000	1000	2	11	1
00.01 - 00.20	-	-	-	-	1000	1000	4	25	3
00.21 - 00.50	-	-	-	-	1000	1000	15	86	11
00.51 - 01.00	-	-	-	-	1000	1000	54	232	20
01.01 - 02.00	-	-	-	81	919	1000	113	319	29
02.01 - 04.00	-	226	93	-	681	1000	98	213	19
04.01 - 10.00	-	286	-	-	714	1000	43	92	8
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	105	28	28	840	1000	329	978	91
pulses									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	11	245	18
00.21 - 00.50	-	-	-	-	1000	1000	60	606	54
00.51 - 01.00	-	-	-	-	1000	1000	232	900	78
01.01 - 02.00	-	17	-	24	959	1000	336	999	86
02.01 - 04.00	47	37	-	30	886	1000	380	728	58
04.01 - 10.00	-	16	-	-	984	1000	172	183	15
10.01 & above	-	-	-	-	-	-	-	-	-
all	15	19	-	16	950	1000	1190	3662	309
oil seeds									
nil (< 0.01)	-	-	-	-	1000	1000	1	2	1
00.01 - 00.20	-	-	-	-	1000	1000	4	27	3
00.21 - 00.50	-	-	-	-	1000	1000	38	244	21
00.51 - 01.00	-	-	-	-	1000	1000	182	770	60
01.01 - 02.00	-	-	29	-	971	1000	196	618	49
02.01 - 04.00	169	-	71	-	760	1000	115	224	21
04.01 - 10.00	-	-	-	-	1000	1000	36	27	2
10.01 & above	-	-	-	-	-	-	-	-	-
all	34	-	24	-	942	1000	571	1911	157

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Assam

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
sugar cane									
nil (< 0.01)	-	-	-	-	1000	1000	2	7	4
00.01 - 00.20	-	-	-	-	1000	1000	2	18	3
00.21 - 00.50	-	-	-	-	1000	1000	3	16	3
00.51 - 01.00	-	-	-	-	1000	1000	88	231	17
01.01 - 02.00	-	85	-	5	910	1000	154	228	18
02.01 - 04.00	209	-	-	-	791	1000	79	147	14
04.01 - 10.00	-	-	-	-	1000	1000	30	43	4
10.01 & above	-	-	-	-	-	-	-	-	-
all	47	36	-	2	915	1000	357	692	63
vegetables									
nil (< 0.01)	-	-	-	21	979	1000	67	471	50
00.01 - 00.20	-	-	4	-	996	1000	184	2722	264
00.21 - 00.50	11	-	-	10	979	1000	377	2528	286
00.51 - 01.00	2	57	-	3	938	1000	791	4346	395
01.01 - 02.00	14	26	11	12	938	1000	1209	4689	413
02.01 - 04.00	-	35	27	7	930	1000	671	1879	156
04.01 - 10.00	-	63	21	-	916	1000	313	418	33
10.01 & above	-	-	-	-	-	-	-	-	-
all	6	33	11	7	943	1000	3612	17054	1597
fruits & nuts									
nil (< 0.01)	-	-	-	-	1000	1000	0	13	1
00.01 - 00.20	-	-	-	-	1000	1000	4	78	9
00.21 - 00.50	-	-	-	-	1000	1000	7	66	9
00.51 - 01.00	-	-	-	-	1000	1000	34	253	22
01.01 - 02.00	-	-	-	22	978	1000	33	178	18
02.01 - 04.00	-	-	-	-	1000	1000	17	59	7
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	8	992	1000	96	647	66

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Assam

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
other cash crops									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	2	46	4
00.21 - 00.50	-	-	-	-	1000	1000	2	19	2
00.51 - 01.00	-	-	-	45	955	1000	31	147	12
01.01 - 02.00	-	-	-	363	637	1000	53	154	17
02.01 - 04.00	-	-	404	-	596	1000	25	25	3
04.01 - 10.00	-	-	-	-	1000	1000	22	17	2
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	76	152	773	1000	135	408	40
others									
nil (<0.01)	-	-	-	-	1000	1000	2	57	6
00.01 - 00.20	-	-	-	-	1000	1000	11	160	13
00.21 - 00.50	-	-	-	-	1000	1000	47	295	27
00.51 - 01.00	-	-	-	-	1000	1000	182	954	80
01.01 - 02.00	-	17	-	-	983	1000	221	712	62
02.01 - 04.00	-	157	-	14	829	1000	284	427	43
04.01 - 10.00	-	212	-	-	788	1000	107	105	10
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	83	-	5	912	1000	854	2710	241

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Bihar

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (< 0.01)	138	68	24	-	770	1000	2098	3572	189
00.01 - 00.20	121	174	35	5	661	1000	1997	15331	783
00.21 - 00.50	179	150	23	3	645	1000	7050	20988	1095
00.51 - 01.00	157	153	22	15	654	1000	12135	18658	906
01.01 - 02.00	160	159	45	13	622	1000	16619	14869	727
02.01 - 04.00	188	196	85	38	493	1000	13720	6491	313
04.01 - 10.00	217	183	187	23	390	1000	8110	2071	103
10.01 & above	87	-	644	61	209	1000	3529	257	13
all	169	157	96	21	558	1000	65258	82238	4129
Paddy(*rabi*)									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	340	505	9	-	146	1000	50	328	21
00.21 - 00.50	30	396	-	-	574	1000	163	801	26
00.51 - 01.00	62	242	62	59	575	1000	366	756	24
01.01 - 02.00	146	121	69	55	609	1000	317	514	14
02.01 - 04.00	194	193	-	80	533	1000	350	394	13
04.01 - 10.00	-	1000	-	-	-	1000	136	58	2
10.01 & above	-	-	-	-	-	-	-	-	-
all	115	304	32	49	500	1000	1383	2853	100
wheat									
nil (< 0.01)	135	145	-	-	720	1000	524	1503	84
00.01 - 00.20	204	174	39	5	577	1000	1442	12434	646
00.21 - 00.50	259	190	25	3	523	1000	4584	16178	850
00.51 - 01.00	263	183	44	16	495	1000	7114	13815	656
01.01 - 02.00	262	246	67	17	408	1000	9716	11132	539
02.01 - 04.00	258	231	116	42	353	1000	8294	5445	262
04.01 - 10.00	264	229	243	26	238	1000	5172	2048	98
10.01 & above	107	-	700	39	153	1000	2711	220	12
all	247	202	133	22	396	1000	39556	62775	3147

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Bihar

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
other cereals									
nil (<0.01)	228	125	46	-	601	1000	628	1633	85
00.01 - 00.20	172	228	26	5	570	1000	356	4176	222
00.21 - 00.50	136	214	8	1	641	1000	885	6088	294
00.51 - 01.00	174	196	5	3	621	1000	1547	6510	317
01.01 - 02.00	102	160	20	20	697	1000	2297	6172	286
02.01 - 04.00	249	198	45	42	467	1000	1639	2943	132
04.01 - 10.00	166	131	205	3	495	1000	863	1000	48
10.01 & above	21	-	317	216	446	1000	371	208	10
all	162	170	54	24	590	1000	8585	28731	1394
pulses									
nil (<0.01)	105	-	-	-	895	1000	111	686	37
00.01 - 00.20	140	21	44	-	795	1000	215	2355	121
00.21 - 00.50	176	62	5	-	758	1000	647	5644	290
00.51 - 01.00	117	104	7	4	769	1000	1522	8221	380
01.01 - 02.00	128	118	17	13	725	1000	2635	8251	393
02.01 - 04.00	228	262	45	13	452	1000	1969	3816	182
04.01 - 10.00	169	313	157	44	318	1000	1413	1463	68
10.01 & above	18	-	592	185	205	1000	888	232	11
all	146	156	96	31	570	1000	9398	30667	1482
oil seeds									
nil (<0.01)	-	-	-	-	1000	1000	4	34	2
00.01 - 00.20	19	55	-	-	926	1000	32	414	24
00.21 - 00.50	72	104	21	-	802	1000	126	1168	61
00.51 - 01.00	174	188	5	-	633	1000	288	2105	110
01.01 - 02.00	59	149	23	4	764	1000	472	2585	129
02.01 - 04.00	172	224	36	-	568	1000	554	1513	77
04.01 - 10.00	169	165	138	23	505	1000	513	826	37
10.01 & above	-	-	722	10	268	1000	372	154	7
all	114	148	159	7	572	1000	2360	8798	447

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Bihar

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
mixed crop									
nil (< 0.01)	-	-	-	-	1000	1000	89	391	18
00.01 - 00.20	140	239	-	62	560	1000	27	393	21
00.21 - 00.50	61	82	-	-	857	1000	92	620	40
00.51 - 01.00	192	8	5	3	792	1000	281	1239	70
01.01 - 02.00	140	13	16	-	831	1000	401	1158	63
02.01 - 04.00	40	-	36	-	924	1000	264	482	28
04.01 - 10.00	-	106	206	-	688	1000	294	341	20
10.01 & above	387	-	387	-	226	1000	41	51	3
all	98	35	63	2	802	1000	1488	4673	263
sugar cane									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	1000	-	-	-	1000	3	35	2
00.21 - 00.50	39	814	18	-	129	1000	66	457	27
00.51 - 01.00	211	541	61	-	187	1000	151	482	25
01.01 - 02.00	167	486	232	18	97	1000	233	444	25
02.01 - 04.00	247	205	453	-	95	1000	295	298	16
04.01 - 10.00	6	75	713	101	105	1000	264	123	8
10.01 & above	-	-	-	-	-	-	-	-	-
all	146	328	382	31	114	1000	1011	1838	103
vegetables									
nil (< 0.01)	100	59	26	-	816	1000	287	1192	64
00.01 - 00.20	31	67	2	5	895	1000	177	3793	191
00.21 - 00.50	92	36	9	19	844	1000	494	4051	216
00.51 - 01.00	77	99	8	28	788	1000	635	4221	212
01.01 - 02.00	102	89	66	4	739	1000	673	3612	174
02.01 - 04.00	265	67	79	9	581	1000	513	1816	91
04.01 - 10.00	184	24	172	262	358	1000	273	456	21
10.01 & above	-	-	807	-	193	1000	229	114	5
all	117	64	102	32	685	1000	3282	19257	974

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Bihar

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
fodder									
nil (< 0.01)	-	-	-	-	-	-	-	13	1
00.01 - 00.20	-	-	-	-	1000	1000	4	125	7
00.21 - 00.50	245	53	-	-	701	1000	23	458	27
00.51 - 01.00	240	62	-	-	698	1000	36	495	27
01.01 - 02.00	49	42	26	-	883	1000	63	516	29
02.01 - 04.00	31	76	96	-	797	1000	51	269	16
04.01 - 10.00	53	-	15	-	932	1000	48	168	11
10.01 & above	-	-	47	-	953	1000	17	32	2
all	89	41	33	-	837	1000	242	2077	120
fruits & nuts									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	112	-	-	-	888	1000	18	84	4
00.51 - 01.00	-	290	-	-	710	1000	47	201	10
01.01 - 02.00	-	154	-	-	846	1000	28	131	7
02.01 - 04.00	83	666	-	-	251	1000	76	118	6
04.01 - 10.00	-	-	-	-	1000	1000	9	37	2
10.01 & above	-	-	-	-	-	-	-	-	-
all	47	385	-	-	568	1000	177	571	29
other cash crops									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	105	102	-	-	792	1000	53	405	22
00.21 - 00.50	209	96	-	-	694	1000	191	871	39
00.51 - 01.00	263	155	-	41	542	1000	260	781	32
01.01 - 02.00	220	156	60	-	564	1000	232	592	27
02.01 - 04.00	190	231	17	65	497	1000	285	388	18
04.01 - 10.00	-	642	181	-	177	1000	229	190	9
10.01 & above	-	-	-	-	-	-	-	-	-
all	175	250	48	23	503	1000	1250	3226	147

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Bihar

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Others									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	310	-	690	1000	18	257	8
00.21 - 00.50	-	-	-	-	1000	1000	27	229	9
00.51 - 01.00	-	-	-	-	1000	1000	126	287	15
01.01 - 02.00	-	-	46	-	954	1000	57	182	10
02.01 - 04.00	-	-	-	-	1000	1000	109	106	2
04.01 - 10.00	-	-	1000	-	-	1000	3	16	1
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	33	-	967	1000	340	1077	45

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Gujarat

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	-	-	-	-	1000	1000	31	76	2
00.01 - 00.20	188	142	45	-	624	1000	61	522	27
00.21 - 00.50	316	132	18	6	528	1000	654	2348	112
00.51 - 01.00	315	197	73	56	359	1000	1050	2139	95
01.01 - 02.00	376	147	87	26	365	1000	1047	1326	64
02.01 - 04.00	316	197	181	-	306	1000	1480	1049	55
04.01 - 10.00	375	139	423	16	47	1000	1320	508	24
10.01 & above	-	-	-	-	-	-	-	-	-
all	338	165	179	20	299	1000	5643	7968	379
Paddy(*rabi*)									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	1000	-	-	-	1000	5	23	1
00.21 - 00.50	886	-	-	-	114	1000	64	189	7
00.51 - 01.00	482	-	186	107	225	1000	134	231	10
01.01 - 02.00	169	-	-	-	831	1000	131	255	12
02.01 - 04.00	252	-	499	-	249	1000	208	152	7
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
All	362	9	237	26	366	1000	541	849	37
wheat									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	135	177	-	-	688	1000	37	224	14
00.21 - 00.50	314	319	4	23	340	1000	822	2568	138
00.51 - 01.00	260	388	1	12	339	1000	1112	2173	107
01.01 - 02.00	435	273	9	7	275	1000	2111	2818	141
02.01 - 04.00	387	298	94	28	192	1000	2416	1890	94
04.01 - 10.00	255	173	235	-	337	1000	2336	1232	67
10.01 & above	16	128	856	-	-	1000	313	104	7
All	329	267	117	13	275	1000	9146	11009	568

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Gujarat

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
other cereals									
nil (< 0.01)	-	-	-	-	1000	1000	10	25	1
00.01 - 00.20	446	143	-	-	411	1000	99	499	32
00.21 - 00.50	370	202	9	12	407	1000	1364	4279	234
00.51 - 01.00	254	206	-	16	523	1000	1972	3746	191
01.01 - 02.00	370	194	56	11	368	1000	3497	4364	223
02.01 - 04.00	345	173	158	14	310	1000	4234	3547	174
04.01 - 10.00	392	166	180	17	245	1000	3398	2350	118
10.01 & above	244	-	698	-	58	1000	1353	426	22
all	343	168	153	13	323	1000	15927	19237	995
pulses									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	4	31	3
00.21 - 00.50	341	74	-	4	581	1000	252	1107	64
00.51 - 01.00	234	137	34	31	565	1000	429	1409	73
01.01 - 02.00	183	210	20	18	569	1000	816	1619	89
02.01 - 04.00	265	118	53	-	564	1000	1480	1414	70
04.01 - 10.00	325	96	215	-	365	1000	798	593	29
10.01 & above	486	-	-	-	514	1000	85	50	4
all	266	129	73	8	524	1000	3863	6224	332
oil seeds									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	813	-	-	-	187	1000	4	33	2
00.21 - 00.50	286	269	23	-	422	1000	306	972	46
00.51 - 01.00	331	402	-	18	249	1000	493	965	51
01.01 - 02.00	452	150	14	16	368	1000	1686	2176	115
02.01 - 04.00	247	174	67	30	482	1000	3420	2438	122
04.01 - 10.00	300	124	78	-	498	1000	5927	2130	116
10.01 & above	201	28	623	-	147	1000	1593	367	20
all	295	142	128	10	425	1000	13428	9082	472

* Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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Gujarat

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
mixed crop									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	188	428	-	-	384	1000	233	672	34
00.51 - 01.00	340	242	-	-	418	1000	264	440	21
01.01 - 02.00	172	130	154	28	516	1000	533	584	28
02.01 - 04.00	231	120	196	-	453	1000	972	458	24
04.01 - 10.00	179	122	590	-	109	1000	1416	542	28
10.01 & above	310	-	690	-	-	1000	606	135	5
all	221	130	379	4	266	1000	4023	2831	140
sugar cane									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	952	-	48	-	-	1000	106	180	10
00.51 - 01.00	761	-	89	24	126	1000	106	299	15
01.01 - 02.00	466	149	57	33	295	1000	172	228	12
02.01 - 04.00	392	21	347	-	240	1000	506	268	14
04.01 - 10.00	28	-	749	-	223	1000	697	198	11
10.01 & above	-	-	1000	-	-	1000	261	42	2
all	260	20	532	4	184	1000	1848	1214	64
vegetables									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	339	-	236	-	424	1000	15	85	4
00.21 - 00.50	311	449	-	14	226	1000	72	229	13
00.51 - 01.00	436	58	331	-	175	1000	204	435	17
01.01 - 02.00	280	169	133	34	385	1000	282	633	30
02.01 - 04.00	340	17	-	74	570	1000	254	314	15
04.01 - 10.00	315	-	571	-	114	1000	218	198	9
10.01 & above	407	-	593	-	-	1000	195	97	4
all	346	78	281	24	271	1000	1239	1991	92

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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Gujarat

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
fodder									
nil (<0.01)	-	-	-	-	1000	1000	17	74	2
00.01 - 00.20	-	-	-	-	1000	1000	4	22	1
00.21 - 00.50	329	57	-	-	614	1000	115	732	37
00.51 - 01.00	372	52	-	-	576	1000	240	1017	45
01.01 - 02.00	405	29	19	-	546	1000	400	1366	68
02.01 - 04.00	424	31	98	-	448	1000	804	1876	95
04.01 - 10.00	383	76	185	-	356	1000	1096	1592	86
10.01 & above	366	30	503	-	102	1000	488	309	19
all	388	48	169	-	394	1000	3163	6989	353
fruits & nuts									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	-	-	-	-	1000	1000	2	23	1
00.51 - 01.00	-	362	-	-	638	1000	44	69	3
01.01 - 02.00	454	-	306	-	239	1000	104	153	6
02.01 - 04.00	145	162	454	75	165	1000	179	141	6
04.01 - 10.00	-	-	982	-	18	1000	133	48	2
10.01 & above	-	-	-	-	-	-	-	-	-
all	159	97	527	29	188	1000	462	434	18
other cash crops									
nil (<0.01)	-	709	291	-	-	1000	35	46	2
00.01 - 00.20	975	-	11	-	14	1000	239	88	4
00.21 - 00.50	389	325	-	-	285	1000	221	663	31
00.51 - 01.00	472	209	-	13	306	1000	326	687	37
01.01 - 02.00	549	72	28	7	343	1000	1420	1679	82
02.01 - 04.00	382	119	95	-	403	1000	3194	2262	115
04.01 - 10.00	396	84	209	-	311	1000	6595	2273	124
10.01 & above	234	147	468	-	151	1000	2121	408	23
all	395	107	193	1	305	1000	14152	8106	418

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Gujarat

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
others									
nil (< 0.01)	1000	-	-	-	-	1000	19	28	1
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	141	733	-	-	126	1000	83	178	8
00.51 - 01.00	-	1000	-	-	-	1000	13	28	1
01.01 - 02.00	-	1000	-	-	-	1000	102	81	3
02.01 - 04.00	45	67	75	-	813	1000	74	152	7
04.01 - 10.00	678	-	322	-	-	1000	30	69	4
10.01 & above	-	-	1000	-	-	1000	18	21	1
all	159	535	97	-	209	1000	338	556	25

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Haryana

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy (*kharif*)									
nil (<0.01)	171	829	-	-	-	1000	80	61	3
00.01 - 00.20	548	167	-	285	-	1000	228	182	9
00.21 - 00.50	682	89	193	-	36	1000	318	555	26
00.51 - 01.00	1000	-	-	-	-	1000	418	679	29
01.01 - 02.00	738	104	101	-	57	1000	1290	1191	50
02.01 - 04.00	408	134	458	-	-	1000	1906	955	45
04.01 - 10.00	144	26	768	-	62	1000	2489	862	39
10.01 & above	209	-	791	-	-	1000	1347	149	8
all	389	73	500	8	30	1000	8077	4634	209
wheat									
nil (<0.01)	419	201	379	-	-	1000	144	109	5
00.01 - 00.20	721	143	-	109	27	1000	578	479	22
00.21 - 00.50	639	30	186	31	114	1000	738	1500	73
00.51 - 01.00	849	94	4	-	53	1000	1113	1595	74
01.01 - 02.00	739	100	125	-	35	1000	2840	2575	120
02.01 - 04.00	451	126	378	-	46	1000	4113	2149	106
04.01 - 10.00	288	25	640	21	26	1000	4703	1480	71
10.01 & above	179	-	821	-	-	1000	1862	212	12
all	468	72	413	11	35	1000	16092	10099	483
other cereals									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	709	291	-	-	-	1000	68	130	6
00.21 - 00.50	662	-	165	99	74	1000	230	485	23
00.51 - 01.00	710	114	-	-	176	1000	352	558	26
01.01 - 02.00	637	78	125	-	160	1000	801	956	48
02.01 - 04.00	477	276	145	-	102	1000	986	779	40
04.01 - 10.00	313	192	387	-	108	1000	990	541	25
10.01 & aboves	385	-	615	-	-	1000	289	63	3
all	498	157	227	6	111	1000	3717	3512	171

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Haryana

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
pulses									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	1000	-	-	-	-	1000	15	25	1
00.21 - 00.50	860	-	-	-	140	1000	55	175	9
00.51 - 01.00	1000	-	-	-	-	1000	92	192	9
01.01 - 02.00	656	62	54	-	228	1000	439	648	31
02.01 - 04.00	658	44	184	-	114	1000	648	545	27
04.01 - 10.00	311	92	396	-	201	1000	657	396	19
10.01 & above	-	-	1000	-	-	1000	94	41	2
all	536	58	249	-	157	1000	2000	2022	98
oil seeds									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	1000	-	-	-	-	1000	50	73	4
00.21 - 00.50	627	17	262	-	93	1000	108	242	11
00.51 - 01.00	982	-	18	-	-	1000	159	351	17
01.01 - 02.00	737	61	90	-	112	1000	632	796	42
02.01 - 04.00	599	215	154	-	32	1000	638	628	34
04.01 - 10.00	252	14	552	55	127	1000	1128	467	25
10.01 & above	-	-	1000	-	-	1000	154	37	2
all	490	67	336	21	85	1000	2868	2594	135
sugar cane									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	1000	-	-	-	-	1000	15	25	1
00.51 - 01.00	991	-	-	-	9	1000	15	131	7
01.01 - 02.00	510	257	167	-	65	1000	47	138	8
02.01 - 04.00	174	81	745	-	-	1000	195	331	20
04.01 - 10.00	2	-	997	-	1	1000	317	286	16
10.01 & above	-	-	1000	-	-	1000	3	1	3
all	150	47	797	-	6	1000	592	912	55

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Haryana

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
vegetables									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	578	-	-	422	-	1000	8	40	2
00.21 - 00.50	392	-	261	136	211	1000	42	172	8
00.51 - 01.00	1000	-	-	-	-	1000	36	79	4
01.01 - 02.00	341	-	231	-	428	1000	53	133	7
02.01 - 04.00	510	48	418	-	24	1000	71	230	12
04.01 - 10.00	27	-	726	-	247	1000	119	113	5
10.01 & above	-	-	1000	-	-	1000	12	24	1
all	337	10	443	27	183	1000	341	791	39
fodder									
nil (<0.01)	316	684	-	-	-	1000	18	89	4
00.01 - 00.20	680	86	-	-	234	1000	131	447	21
00.21 - 00.50	682	7	124	23	164	1000	244	957	45
00.51 - 01.00	835	22	4	-	139	1000	386	1061	50
01.01 - 02.00	694	98	83	-	125	1000	816	1962	90
02.01 - 04.00	440	153	240	99	68	1000	972	1626	76
04.01 - 10.00	240	29	571	69	90	1000	1102	1241	59
10.01 & above	122	-	878	-	-	1000	229	190	11
all	480	76	298	46	100	1000	3898	7573	356
other cash crops									
nil (<0.01)	351	-	649	-	-	1000	24	48	2
00.01 - 00.20	737	219	-	-	44	1000	271	181	8
00.21 - 00.50	273	-	405	239	84	1000	167	178	7
00.51 - 01.00	211	789	-	-	-	1000	152	120	6
01.01 - 02.00	653	151	147	-	49	1000	535	553	24
02.01 - 04.00	393	259	277	-	70	1000	475	372	17
04.01 - 10.00	264	134	548	-	54	1000	616	398	17
10.01 & above	-	-	1000	-	-	1000	266	65	3
all	393	186	358	16	47	1000	2506	1914	84

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Haryana

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
				others					
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	1000	-	-	-	-	1000	16	26	1
00.21 - 00.50	826	174	-	-	-	1000	24	112	5
00.51 - 01.00	1000	-	-	-	-	1000	183	21	1
01.01 - 02.00	721	279	-	-	-	1000	234	210	9
02.01 - 04.00	258	321	180	20	222	1000	421	302	13
04.01 - 10.00	284	309	390	-	17	1000	486	218	9
10.01 & above	-	-	1000	-	-	1000	365	69	3
all	367	205	365	5	59	1000	1729	958	41

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Himachal Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	-	-	-	-	1000	1000	0	5	1
00.01 - 00.20	104	19	-	13	864	1000	44	507	92
00.21 - 00.50	65	22	-	-	913	1000	174	885	163
00.51 - 01.00	84	21	19	-	875	1000	162	683	127
01.01 - 02.00	59	41	21	-	880	1000	174	470	93
02.01 - 04.00	14	135	-	-	851	1000	76	153	31
04.01 - 10.00	-	216	-	-	784	1000	18	66	14
10.01 & above	59	-	-	-	941	1000	8	14	3
all	63	45	10	1	881	1000	655	2783	524
wheat									
nil (<0.01)	226	338	-	-	436	1000	15	38	7
00.01 - 00.20	156	21	-	-	822	1000	158	1551	292
00.21 - 00.50	86	33	8	-	873	1000	685	2771	521
00.51 - 01.00	114	28	8	4	845	1000	969	2135	392
01.01 - 02.00	82	69	15	2	831	1000	921	1195	228
02.01 - 04.00	39	136	-	11	814	1000	634	504	96
04.01 - 10.00	-	234	79	42	645	1000	211	108	22
10.01 & above	67	-	-	-	933	1000	41	30	6
all	83	71	12	6	828	1000	3634	8331	1564
other cereals									
nil (<0.01)	242	336	-	-	422	1000	15	38	7
00.01 - 00.20	137	22	-	1	840	1000	128	1341	255
00.21 - 00.50	90	34	11	-	865	1000	554	2514	477
00.51 - 01.00	117	33	7	6	837	1000	752	1936	357
01.01 - 02.00	89	78	19	3	812	1000	697	1081	206
02.01 - 04.00	41	125	-	15	819	1000	491	467	89
04.01 - 10.00	-	242	55	40	663	1000	201	92	19
10.01 & above	67	-	-	-	933	1000	43	30	6
all	85	75	12	8	820	1000	2881	7500	1416

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Himachal Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
pulses									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	3	72	13
00.21 - 00.50	5	-	-	-	995	1000	20	268	52
00.51 - 01.00	32	-	-	-	968	1000	34	272	50
01.01 - 02.00	50	7	-	-	943	1000	47	216	43
02.01 - 04.00	-	-	-	-	1000	1000	17	54	11
04.01 - 10.00	-	-	-	40	960	1000	18	25	5
10.01 & above	-	-	-	-	1000	1000	0	5	1
all	25	2	-	5	967	1000	139	912	175
oil seeds									
nil (<0.01)	1000	-	-	-	-	1000	0	6	1
00.01 - 00.20	19	73	-	-	908	1000	3	52	10
00.21 - 00.50	81	24	14	-	881	1000	18	338	64
00.51 - 01.00	369	38	-	-	593	1000	24	279	49
01.01 - 02.00	236	48	100	18	599	1000	27	206	38
02.01 - 04.00	121	290	-	30	558	1000	10	67	12
04.01 - 10.00	-	485	260	85	170	1000	9	34	6
10.01 & above	-	-	-	-	1000	1000	7	15	3
all	186	103	53	16	643	1000	98	997	183
mixed crop									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	-	-	-	-	1000	1000	8	29	5
00.51 - 01.00	-	-	-	-	1000	1000	3	29	6
01.01 - 02.00	41	-	-	-	959	1000	5	20	4
02.01 - 04.00	-	-	-	-	1000	1000	8	14	3
04.01 - 10.00	-	-	-	-	1000	1000	3	9	2
10.01 & above	-	-	-	-	-	-	-	-	-
all	8	-	-	-	992	1000	27	101	20

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Himachal Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
sugar cane									
nil (< 0.01)	-	-	-	-	1000	1000	0	5	1
00.01 - 00.20	1000	-	-	-	-	1000	0	8	1
00.21 - 00.50	-	53	-	-	947	1000	3	43	8
00.51 - 01.00	131	40	-	-	829	1000	3	43	9
01.01 - 02.00	12	95	-	-	893	1000	8	38	8
02.01 - 04.00	829	-	-	103	68	1000	5	13	3
04.01 - 10.00	-	-	1000	-	-	1000	2	6	1
10.01 & above	-	-	-	-	1000	1000	0	5	1
all	206	48	100	22	625	1000	22	161	32
vegetables									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	61	-	-	-	939	1000	5	239	44
00.21 - 00.50	98	-	-	-	902	1000	31	570	106
00.51 - 01.00	55	-	-	-	945	1000	51	444	85
01.01 - 02.00	6	-	-	-	994	1000	53	310	63
02.01 - 04.00	-	-	-	-	1000	1000	16	136	27
04.01 - 10.00	-	-	-	-	1000	1000	5	16	4
10.01 & above	-	-	-	-	-	-	-	-	-
all	40	-	-	-	960	1000	162	1717	329
fodder									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	514	85	-	-	400	1000	3	99	19
00.21 - 00.50	299	25	30	-	646	1000	17	262	48
00.51 - 01.00	326	159	-	-	515	1000	22	267	49
01.01 - 02.00	104	47	35	14	799	1000	34	175	33
02.01 - 04.00	82	439	-	10	469	1000	16	78	15
04.01 - 10.00	-	121	88	-	791	1000	13	21	4
10.01 & above	-	-	-	-	-	-	-	-	-
all	179	139	27	6	650	1000	105	903	168

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Himachal Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
fruits & nuts									
nil (<0.01)	-	-	-	-	1000	1000	3	6	1
00.01 - 00.20	-	-	-	-	1000	1000	3	25	6
00.21 - 00.50	-	-	-	-	1000	1000	25	125	20
00.51 - 01.00	3	-	-	-	997	1000	85	238	40
01.01 - 02.00	-	-	-	-	1000	1000	155	181	32
02.01 - 04.00	-	-	-	-	1000	1000	111	61	12
04.01 - 10.00	-	-	-	-	1000	1000	33	5	1
10.01 & above	-	-	-	-	-	-	-	-	-
all	1	-	-	-	999	1000	413	641	112
other cash crops									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	157	-	-	-	843	1000	3	37	8
00.21 - 00.50	37	-	-	-	963	1000	47	280	45
00.51 - 01.00	8	-	-	-	992	1000	79	234	42
01.01 - 02.00	-	-	-	-	1000	1000	85	174	32
02.01 - 04.00	32	-	-	-	968	1000	85	111	21
04.01 - 10.00	-	-	-	-	1000	1000	9	21	5
10.01 & above	-	-	-	-	1000	1000	10	14	3
all	17	-	-	-	983	1000	317	872	156
others									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	2	33	6
00.21 - 00.50	12	-	-	-	988	1000	19	122	21
00.51 - 01.00	84	-	-	-	916	1000	43	148	27
01.01 - 02.00	41	-	-	-	959	1000	35	146	29
02.01 - 04.00	-	-	-	-	1000	1000	4	30	6
04.01 - 10.00	-	-	-	-	1000	1000	17	37	8
10.01 & above	353	-	-	-	647	1000	2	10	2
all	48	-	-	-	952	1000	122	525	99

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Jammu & Kashmir

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	-	-	-	-	1000	1000	1	6	1
00.01 - 00.20	98	134	-	-	768	1000	78	529	110
00.21 - 00.50	206	163	1	-	631	1000	557	2123	418
00.51 - 01.00	294	195	-	7	504	1000	564	1293	265
01.01 - 02.00	293	150	29	7	520	1000	535	711	185
02.01 - 04.00	278	204	98	-	419	1000	339	283	71
04.01 - 10.00	-	212	447	-	341	1000	117	49	16
10.01 & above	-	-	-	-	-	-	-	-	-
all	246	176	46	4	528	1000	2191	4994	1066
Paddy (*rabi*)									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	0	4	1
00.21 - 00.50	150	230	-	-	620	1000	9	59	10
00.51 - 01.00	487	211	-	-	301	1000	20	82	12
01.01 - 02.00	82	-	-	-	918	1000	18	35	7
02.01 - 04.00	37	-	-	-	963	1000	8	11	3
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	231	113	-	-	655	1000	56	191	33
wheat									
nil (<0.01)	-	-	-	-	1000	1000	1	2	2
00.01 - 00.20	379	33	-	-	588	1000	23	192	54
00.21 - 00.50	233	36	3	6	723	1000	184	646	197
00.51 - 01.00	275	49	-	-	675	1000	491	849	206
01.01 - 02.00	251	123	12	7	607	1000	663	659	170
02.01 - 04.00	277	147	56	-	519	1000	521	287	69
04.01 - 10.00	-	230	536	-	234	1000	127	35	13
10.01 & above	-	-	-	-	-	-	-	-	-
all	248	109	53	3	588	1000	2010	2670	711

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Jammu & Kashmir

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
other cereals									
nil (<0.01)	-	-	-	-	1000	1000	1	2	2
00.01 - 00.20	194	-	-	-	806	1000	16	143	37
00.21 - 00.50	8	14	-	2	977	1000	139	611	162
00.51 - 01.00	125	21	-	-	855	1000	296	707	155
01.01 - 02.00	76	62	-	38	824	1000	301	494	112
02.01 - 04.00	144	78	-	-	779	1000	194	189	37
04.01 - 10.00	-	-	369	-	631	1000	38	21	6
10.01 & above	-	-	-	-	-	-	-	-	-
all	93	42	14	12	838	1000	985	2167	511
pulses									
nil (<0.01)	-	-	-	-	1000	1000	0	2	2
00.01 - 00.20	636	-	-	-	364	1000	1	44	9
00.21 - 00.50	86	13	-	177	724	1000	12	266	52
00.51 - 01.00	198	70	-	83	650	1000	45	458	85
01.01 - 02.00	169	141	7	44	639	1000	68	352	74
02.01 - 04.00	189	136	-	-	675	1000	57	174	33
04.01 - 10.00	-	277	720	-	4	1000	9	13	5
10.01 & above	-	-	-	-	-	-	-	-	-
all	171	120	37	46	626	1000	193	1309	260
oil seeds									
nil (<0.01)	-	-	-	-	1000	1000	0	2	1
00.01 - 00.20	118	124	-	27	732	1000	26	223	45
00.21 - 00.50	166	158	-	-	676	1000	290	887	157
00.51 - 01.00	404	304	-	16	276	1000	171	764	131
01.01 - 02.00	303	228	-	9	460	1000	83	294	62
02.01 - 04.00	265	170	-	-	565	1000	62	144	26
04.01 - 10.00	-	141	436	-	424	1000	9	20	6
10.01 & above	-	-	-	-	-	-	-	-	-
all	253	206	6	7	529	1000	642	2333	428

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Jammu & Kashmir

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
mixed crop									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	90	-	-	-	910	1000	1	23	4
00.21 - 00.50	-	-	-	-	1000	1000	4	39	9
00.51 - 01.00	-	-	-	-	1000	1000	4	35	7
01.01 - 02.00	756	137	-	-	106	1000	12	22	6
02.01 - 04.00	-	1000	-	-	-	1000	3	7	3
04.01 - 10.00	-	-	1000	-	-	1000	0	2	1
10.01 & above	-	-	-	-	-	-	-	-	-
all	378	183	10	-	429	1000	23	127	30
vegetables									
nil (< 0.01)	-	-	-	-	1000	1000	1	11	3
00.01 - 00.20	7	33	-	9	952	1000	39	721	145
00.21 - 00.50	140	101	-	2	756	1000	91	1396	249
00.51 - 01.00	60	79	-	-	861	1000	224	1094	182
01.01 - 02.00	68	157	18	26	731	1000	43	399	86
02.01 - 04.00	-	223	101	-	676	1000	17	102	22
04.01 - 10.00	-	-	208	-	792	1000	9	24	7
10.01 & above	-	-	-	-	-	-	-	-	-
all	69	92	11	4	825	1000	424	3748	694
fodder									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	330	60	-	-	609	1000	12	151	35
00.21 - 00.50	296	98	-	11	594	1000	64	730	171
00.51 - 01.00	391	155	-	10	443	1000	104	700	140
01.01 - 02.00	251	157	25	59	508	1000	87	451	117
02.01 - 04.00	327	156	103	-	414	1000	54	157	47
04.01 - 10.00	-	177	201	-	622	1000	20	34	12
10.01 & above	-	-	-	-	-	-	-	-	-
all	302	143	35	20	500	1000	342	2223	522

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Jammu & Kashmir

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
fruits & nuts									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	12	84	20
00.21 - 00.50	21	2	-	11	966	1000	82	551	96
00.51 - 01.00	-	-	-	-	1000	1000	181	535	90
01.01 - 02.00	-	-	-	4	996	1000	150	234	50
02.01 - 04.00	-	-	-	-	1000	1000	55	45	10
04.01 - 10.00	-	-	-	-	1000	1000	20	16	4
10.01 & above	-	-	-	-	-	-	-	-	-
all	3	0	-	3	993	1000	500	1464	270
others									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	450	61	-	-	489	1000	6	51	14
00.21 - 00.50	476	119	-	8	396	1000	28	204	49
00.51 - 01.00	225	95	-	-	680	1000	39	130	30
01.01 - 02.00	257	157	7	-	579	1000	43	85	24
02.01 - 04.00	-	14	-	-	986	1000	18	20	6
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	266	108	2	2	622	1000	135	491	123

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Karnataka

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy (*kharif*)									
nil (<0.01)	-	-	-	-	1000	1000	1	31	1
00.01 - 00.20	-	-	-	-	1000	1000	86	613	34
00.21 - 00.50	58	50	-	-	892	1000	431	1344	67
00.51 - 01.00	28	11	-	-	962	1000	1457	2666	110
01.01 - 02.00	62	57	25	5	852	1000	3039	3534	148
02.01 - 04.00	137	41	49	27	747	1000	2313	1756	79
04.01 - 10.00	209	64	32	49	646	1000	1403	684	34
10.01 & above	-	159	716	-	125	1000	550	116	6
all	93	52	68	16	772	1000	9279	10743	479
Paddy (*rabi*)									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	17	136	5
00.21 - 00.50	-	-	-	-	1000	1000	70	261	10
00.51 - 01.00	56	47	-	-	897	1000	185	378	17
01.01 - 02.00	158	245	-	-	597	1000	416	623	27
02.01 - 04.00	161	102	48	-	688	1000	470	352	18
04.01 - 10.00	229	267	71	-	432	1000	548	299	13
10.01 & above	-	-	-	-	-	-	-	-	-
all	163	179	36	-	622	1000	1707	2049	90
wheat									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	2	21	1
00.21 - 00.50	177	-	-	-	823	1000	52	151	7
00.51 - 01.00	396	-	-	-	604	1000	76	198	8
01.01 - 02.00	269	-	-	-	731	1000	217	326	14
02.01 - 04.00	206	64	151	79	501	1000	339	408	17
04.01 - 10.00	189	197	10	-	604	1000	433	446	19
10.01 & above	-	46	360	-	594	1000	254	160	6
all	182	86	107	19	606	1000	1374	1711	72

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Karnataka

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
other cereals									
nil (<0.01)	-	-	-	-	1000	1000	40	28	3
00.01 - 00.20	-	-	-	-	1000	1000	162	1013	53
00.21 - 00.50	18	34	-	-	948	1000	1214	3784	183
00.51 - 01.00	91	64	6	1	838	1000	3261	5450	240
01.01 - 02.00	65	37	7	-	891	1000	6779	7340	315
02.01 - 04.00	51	130	52	1	766	1000	8531	5300	221
04.01 - 10.00	69	167	41	32	691	1000	9997	3343	143
10.01 & above	72	425	177	-	326	1000	4067	546	23
all	64	147	48	10	731	1000	34052	26804	1181
pulses									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	35	164	10
00.21 - 00.50	4	-	-	-	996	1000	384	1286	62
00.51 - 01.00	4	4	3	1	989	1000	1090	2200	99
01.01 - 02.00	57	17	-	-	927	1000	2490	2863	123
02.01 - 04.00	29	12	15	6	939	1000	2670	2172	94
04.01 - 10.00	14	56	24	28	878	1000	3105	1237	57
10.01 & above	43	386	236	-	335	1000	1407	304	13
all	29	71	40	9	850	1000	11180	10226	458
oil seeds									
nil (<0.01)	-	-	-	-	1000	1000	39	24	1
00.01 - 00.20	-	-	-	-	1000	1000	37	242	11
00.21 - 00.50	-	6	-	-	994	1000	200	625	30
00.51 - 01.00	156	61	-	-	782	1000	865	1421	61
01.01 - 02.00	30	99	-	-	871	1000	2795	2526	103
02.01 - 04.00	110	220	16	-	654	1000	3009	2115	89
04.01 - 10.00	137	147	31	25	661	1000	4350	1948	81
10.01 & above	225	363	284	-	128	1000	2295	403	16
all	122	181	61	8	627	1000	13590	9305	392

* Note

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Karnataka

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
mixed crop									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	170	-	-	-	830	1000	29	189	9
00.21 - 00.50	39	-	-	-	961	1000	189	582	26
00.51 - 01.00	50	28	51	-	870	1000	709	1193	54
01.01 - 02.00	121	21	10	19	830	1000	1390	1365	56
02.01 - 04.00	287	34	23	-	656	1000	864	590	28
04.01 - 10.00	264	51	-	44	641	1000	1832	602	24
10.01 & above	365	45	-	-	590	1000	362	111	5
all	201	35	13	20	731	1000	5374	4633	202
sugar cane									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	11	72	3
00.21 - 00.50	-	-	-	-	1000	1000	41	162	7
00.51 - 01.00	137	-	18	-	846	1000	157	448	20
01.01 - 02.00	164	-	47	-	789	1000	738	1078	45
02.01 - 04.00	158	-	111	-	730	1000	700	536	24
04.01 - 10.00	11	-	312	-	678	1000	338	301	14
10.01 & above	169	168	663	-	-	1000	138	74	3
all	132	11	147	-	710	1000	2123	2670	116
vegetables									
nil (<0.01)	-	-	-	-	-	-	-	39	1
00.01 - 00.20	-	-	-	-	1000	1000	17	168	7
00.21 - 00.50	-	195	-	-	805	1000	67	350	17
00.51 - 01.00	83	146	-	-	771	1000	360	727	31
01.01 - 02.00	234	161	34	-	571	1000	542	886	38
02.01 - 04.00	24	-	135	-	841	1000	384	437	20
04.01 - 10.00	325	161	-	232	281	1000	231	248	12
10.01 & above	-	65	-	-	935	1000	65	48	3
all	145	117	42	32	664	1000	1666	2904	129

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Karnataka

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
fodder									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	-	-	-	-	1000	1000	5	53	2
00.51 - 01.00	-	-	-	-	1000	1000	42	93	4
01.01 - 02.00	-	163	139	-	698	1000	163	305	12
02.01 - 04.00	-	-	-	-	1000	1000	77	241	9
04.01 - 10.00	502	-	-	-	498	1000	191	168	7
10.01 & above	-	-	-	-	1000	1000	94	23	1
all	167	47	40	-	746	1000	572	884	35
fruits & nuts									
nil (< 0.01)	-	-	-	-	-	-	-	24	1
00.01 - 00.20	-	-	-	-	1000	1000	36	751	32
00.21 - 00.50	-	-	-	-	1000	1000	61	527	30
00.51 - 01.00	-	-	-	5	995	1000	322	1002	46
01.01 - 02.00	15	-	13	-	972	1000	370	863	38
02.01 - 04.00	20	93	69	-	819	1000	514	499	21
04.01 - 10.00	131	-	203	-	667	1000	253	154	8
10.01 & above	-	-	-	-	1000	1000	52	36	2
all	30	30	57	1	882	1000	1608	3856	178
other cash crops									
nil (< 0.01)	-	-	-	-	1000	1000	19	24	1
00.01 - 00.20	-	-	-	-	1000	1000	16	121	5
00.21 - 00.50	54	-	-	-	946	1000	184	450	20
00.51 - 01.00	61	-	-	-	939	1000	518	1255	56
01.01 - 02.00	67	39	20	3	871	1000	1347	2025	88
02.01 - 04.00	164	30	86	19	701	1000	1866	1520	69
04.01 - 10.00	277	107	50	30	536	1000	2102	1028	45
10.01 & above	99	-	360	-	541	1000	1046	228	10
all	158	47	94	14	686	1000	7099	6652	294

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Karnataka

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
others									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	16	142	6
00.21 - 00.50	-	-	-	-	1000	1000	10	71	5
00.51 - 01.00	-	-	-	-	1000	1000	91	377	17
01.01 - 02.00	-	-	-	-	1000	1000	283	661	24
02.01 - 04.00	134	-	44	-	822	1000	274	404	16
04.01 - 10.00	257	-	-	-	743	1000	178	163	6
10.01 & above	408	-	-	-	592	1000	67	50	2
all	120	-	13	-	867	1000	919	1869	76

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Kerala

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	264	136	171	49	380	1000	68	655	41
00.21 - 00.50	338	94	136	-	432	1000	238	1132	75
00.51 - 01.00	518	56	154	-	273	1000	368	1014	62
01.01 - 02.00	558	123	62	-	257	1000	202	491	31
02.01 - 04.00	659	-	-	-	341	1000	192	187	11
04.01 - 10.00	91	-	-	-	909	1000	129	86	5
10.01 & above	-	-	-	-	1000	1000	170	17	1
all	395	56	83	2	464	1000	1367	3582	226
Paddy(*rabi*)									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	611	-	38	41	310	1000	23	249	16
00.21 - 00.50	549	-	54	7	389	1000	122	650	44
00.51 - 01.00	416	-	-	-	584	1000	159	499	30
01.01 - 02.00	309	85	97	-	509	1000	102	327	20
02.01 - 04.00	768	-	232	-	-	1000	87	103	6
04.01 - 10.00	398	-	602	-	-	1000	24	32	2
10.01 & above	-	-	-	-	-	-	-	-	-
all	493	17	100	4	386	1000	517	1860	118
other cereals									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	279	-	-	-	721	1000	33	583	33
00.21 - 00.50	770	-	-	-	230	1000	115	306	21
00.51 - 01.00	-	-	141	60	799	1000	36	240	13
01.01 - 02.00	-	-	-	-	1000	1000	9	78	4
02.01 - 04.00	-	-	-	-	1000	1000	23	17	1
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	454	-	23	10	513	1000	216	1224	72

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Kerala

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
oil seeds									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	9	-	-	991	1000	72	2040	124
00.21 - 00.50	76	-	-	-	924	1000	105	839	53
00.51 - 01.00	103	-	-	-	897	1000	86	368	25
01.01 - 02.00	-	-	-	-	1000	1000	75	177	12
02.01 - 04.00	-	-	-	-	1000	1000	51	52	3
04.01 - 10.00	-	-	-	-	1000	1000	96	69	4
10.01 & above	-	-	-	-	1000	1000	3	17	1
all	35	1	-	-	964	1000	488	3562	222
mixed crop									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	82	1256	87
00.21 - 00.50	-	-	-	28	972	1000	100	481	31
00.51 - 01.00	-	-	-	-	1000	1000	74	307	19
01.01 - 02.00	-	-	-	-	1000	1000	170	261	15
02.01 - 04.00	136	-	-	-	864	1000	53	89	5
04.01 - 10.00	-	-	-	-	1000	1000	1	19	1
10.01 & above	-	-	-	-	-	-	-	-	-
all	15	-	-	6	979	1000	480	2414	158
vegetables									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	81	3852	236
00.21 - 00.50	-	28	-	-	972	1000	57	1322	88
00.51 - 01.00	-	13	-	-	987	1000	59	809	48
01.01 - 02.00	-	95	-	-	905	1000	33	330	19
02.01 - 04.00	-	-	-	-	1000	1000	9	81	5
04.01 - 10.00	-	-	-	-	1000	1000	20	69	4
10.01 & above	-	-	-	-	1000	1000	3	17	1
all	-	21	-	-	979	1000	263	6481	401

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Kerala

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
fruits & nuts									
nil (<0.01)	-	-	-	-	-	-	-	35	2
00.01 - 00.20	-	-	-	-	1000	1000	461	12645	787
00.21 - 00.50	5	1	16	-	979	1000	436	3166	206
00.51 - 01.00	13	-	-	5	982	1000	326	1671	98
01.01 - 02.00	-	-	17	49	934	1000	274	901	55
02.01 - 04.00	-	-	-	-	1000	1000	67	225	13
04.01 - 10.00	-	-	-	-	1000	1000	18	67	4
10.01 & above	-	-	-	-	1000	1000	3	17	1
all	4	0	7	10	979	1000	1585	18728	1166
other cash crops									
nil (<0.01)	-	-	-	-	1000	1000	1	40	2
00.01 - 00.20	-	7	2	3	988	1000	440	8282	508
00.21 - 00.50	8	-	4	-	988	1000	669	3233	208
00.51 - 01.00	-	-	-	-	1000	1000	862	1940	111
01.01 - 02.00	13	-	-	11	976	1000	1103	1168	67
02.01 - 04.00	14	-	-	16	970	1000	486	283	17
04.01 - 10.00	-	-	-	170	830	1000	501	99	6
10.01 & above	-	-	-	-	1000	1000	179	32	2
all	6	1	1	25	967	1000	4241	15077	921
others									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	66	3293	192
00.21 - 00.50	-	-	-	-	1000	1000	79	977	61
00.51 - 01.00	11	-	-	-	989	1000	118	794	45
01.01 - 02.00	-	-	-	109	891	1000	95	494	28
02.01 - 04.00	-	-	-	-	1000	1000	35	143	8
04.01 - 10.00	-	-	-	-	1000	1000	0	17	1
10.01 & above	-	-	-	-	-	-	-	-	-
all	3	-	-	26	970	1000	393	5718	335

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Madhya Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	-	26	352	-	622	1000	217	229	11
00.01 - 00.20	16	44	-	-	940	1000	248	1547	88
00.21 - 00.50	96	13	-	-	891	1000	2038	5951	330
00.51 - 01.00	47	35	1	-	917	1000	5344	8553	430
01.01 - 02.00	83	34	6	2	875	1000	12419	11748	585
02.01 - 04.00	61	39	12	1	886	1000	16634	9924	486
04.01 - 10.00	68	92	61	14	764	1000	11073	3393	175
10.01 & above	-	-	621	106	273	1000	2283	323	17
all	65	46	49	9	831	1000	50255	41668	2122
Paddy(*rabi*)									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	8	79	4
00.21 - 00.50	375	80	-	-	545	1000	83	297	15
00.51 - 01.00	160	164	-	-	676	1000	123	216	11
01.01 - 02.00	214	338	-	-	447	1000	310	375	20
02.01 - 04.00	317	218	-	-	465	1000	416	235	12
04.01 - 10.00	-	-	541	-	459	1000	303	93	4
10.01 & above	-	-	-	1000	-	1000	57	20	1
all	192	171	126	44	468	1000	1299	1315	67
wheat									
nil (<0.01)	65	-	657	-	278	1000	116	63	3
00.01 - 00.20	414	85	21	-	480	1000	98	631	35
00.21 - 00.50	313	33	-	-	654	1000	1263	3867	213
00.51 - 01.00	282	54	15	1	648	1000	4134	6639	349
01.01 - 02.00	238	83	18	2	659	1000	11262	11396	602
02.01 - 04.00	180	103	94	8	615	1000	16358	10€32	544
04.01 - 10.00	217	104	173	26	480	1000	17223	5630	300
10.01 & above	94	56	771	27	53	1000	5109	824	51
all	206	89	158	13	533	1000	55564	39682	2097

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Madhya Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
other cereals									
nil (<0.01)	-	-	-	-	1000	1000	63	135	7
00.01 - 00.20	428	-	-	-	572	1000	22	161	12
00.21 - 00.50	213	58	-	7	722	1000	322	1105	73
00.51 - 01.00	153	53	20	-	774	1000	1227	2676	150
01.01 - 02.00	86	42	3	-	869	1000	3737	5615	302
02.01 - 04.00	77	51	48	8	816	1000	7086	5992	307
04.01 - 10.00	86	103	70	47	694	1000	7133	3275	166
10.01 & above	117	13	580	55	236	1000	2254	492	29
all	92	63	100	24	722	1000	21844	19451	1046
pulses									
nil (<0.01)	-	-	531	-	469	1000	126	106	6
00.01 - 00.20	337	-	-	-	663	1000	46	357	22
00.21 - 00.50	150	-	31	-	819	1000	277	1356	87
00.51 - 01.00	119	40	7	2	833	1000	1500	4495	234
01.01 - 02.00	150	78	9	1	762	1000	4213	8914	456
02.01 - 04.00	119	67	55	9	750	1000	6760	9460	470
04.01 - 10.00	174	106	118	20	582	1000	7801	4595	244
10.01 & above	111	80	660	22	127	1000	2310	515	32
all	143	80	128	12	637	1000	23033	29797	1551
oil seeds									
nil (<0.01)	59	-	522	-	418	1000	128	71	4
00.01 - 00.20	584	5	40	-	370	1000	52	339	19
00.21 - 00.50	417	24	-	14	544	1000	583	1912	106
00.51 - 01.00	349	79	23	-	550	1000	2382	4795	233
01.01 - 02.00	273	54	20	-	652	1000	7058	8312	420
02.01 - 04.00	211	76	100	8	605	1000	12088	9398	475
04.01 - 10.00	282	113	190	2	412	1000	12945	4403	238
10.01 & above	114	32	764	73	17	1000	6088	682	41
all	241	76	208	14	461	1000	41323	29911	1536

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Madhya Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
mixed crop									
nil (< 0.01)	-	-	-	-	1000	1000	74	23	1
00.01 - 00.20	133	-	-	-	867	1000	24	129	8
00.21 - 00.50	223	44	-	-	733	1000	109	407	22
00.51 - 01.00	315	84	9	-	592	1000	626	1217	66
01.01 - 02.00	233	37	2	22	707	1000	1448	2203	119
02.01 - 04.00	85	74	25	-	815	1000	2955	2693	137
04.01 - 10.00	124	163	19	10	684	1000	2988	1183	65
10.01 & above	84	-	916	-	-	1000	305	66	5
all	142	96	49	7	706	1000	8529	7920	423
sugar cane									
nil (< 0.01)	-	-	-	-	1000	1000	7	23	1
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	-	-	-	-	1000	1000	2	7	1
00.51 - 01.00	-	1000	-	-	-	1000	5	14	1
01.01 - 02.00	159	252	-	-	588	1000	72	209	10
02.01 - 04.00	97	88	115	-	699	1000	163	257	13
04.01 - 10.00	64	377	120	-	438	1000	213	253	14
10.01 & above	-	-	1000	-	-	1000	66	33	2
all	78	223	209	-	491	1000	527	797	42
vegetables									
nil (< 0.01)	-	-	-	-	1000	1000	8	92	5
00.01 - 00.20	-	-	-	-	1000	1000	15	124	7
00.21 - 00.50	-	-	-	-	1000	1000	78	425	33
00.51 - 01.00	38	71	-	-	891	1000	118	876	39
01.01 - 02.00	56	-	25	15	904	1000	576	2093	88
02.01 - 04.00	36	-	5	-	958	1000	805	2188	93
04.01 - 10.00	158	-	57	99	686	1000	587	860	41
10.01 & above	-	-	777	-	223	1000	139	72	4
all	68	4	69	29	830	1000	2327	6731	310

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Madhya Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
fodder									
nil (< 0.01)	-	-	-	-	1000	1000	9	9	1
00.01 - 00.20	-	214	-	-	786	1000	3	90	4
00.21 - 00.50	129	-	-	-	871	1000	14	92	4
00.51 - 01.00	431	85	-	-	484	1000	31	147	9
01.01 - 02.00	321	9	20	-	650	1000	125	602	30
02.01 - 04.00	137	10	59	-	793	1000	453	979	49
04.01 - 10.00	105	161	239	-	494	1000	422	576	33
10.01 & above	234	60	625	81	-	1000	190	159	10
all	165	71	200	12	552	1000	1247	2654	140
other cash crops									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	244	-	-	-	756	1000	8	35	3
00.21 - 00.50	216	36	-	-	748	1000	85	348	22
00.51 - 01.00	51	68	31	-	849	1000	263	649	37
01.01 - 02.00	120	20	-	-	860	1000	1004	1525	78
02.01 - 04.00	157	39	19	-	786	1000	1564	1563	75
04.01 - 10.00	125	60	76	60	679	1000	2107	974	45
10.01 & above	244	78	307	69	302	1000	964	224	12
all	150	51	83	32	685	1000	5995	5316	272
others									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	1000	-	-	-	-	1000	3	31	1
00.21 - 00.50	302	-	-	-	698	1000	22	84	4
00.51 - 01.00	28	-	-	-	972	1000	208	357	17
01.01 - 02.00	195	24	-	-	781	1000	319	485	22
02.01 - 04.00	30	10	11	-	949	1000	912	605	30
04.01 - 10.00	327	74	-	-	599	1000	312	169	8
10.01 & above	-	-	-	-	1000	1000	66	29	2
all	112	22	5	-	860	1000	1842	1760	84

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Maharashtra

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	-	-	-	-	1000	1000	30	40	2
00.01 - 00.20	18	-	-	-	982	1000	274	2327	108
00.21 - 00.50	15	-	-	-	985	1000	1347	4445	207
00.51 - 01.00	4	4	4	-	988	1000	2142	3939	179
01.01 - 02.00	49	9	15	-	927	1000	3075	3599	165
02.01 - 04.00	21	4	26	-	949	1000	2917	2273	108
04.01 - 10.00	19	60	57	-	864	1000	1867	1157	55
10.01 & above	-	144	-	-	856	1000	235	212	9
all	24	16	20	-	940	1000	11884	17992	833
Paddy(*rabi*)									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	3	23	1
00.21 - 00.50	-	-	-	-	1000	1000	41	156	12
00.51 - 01.00	-	-	-	-	1000	1000	81	131	5
01.01 - 02.00	-	-	-	-	1000	1000	122	125	5
02.01 - 04.00	-	-	-	-	1000	1000	44	88	3
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	292	522	26
wheat									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	28	80	5
00.21 - 00.50	320	61	-	-	619	1000	113	549	30
00.51 - 01.00	104	23	-	18	855	1000	656	1658	80
01.01 - 02.00	194	22	10	3	772	1000	1587	3024	146
02.01 - 04.00	45	19	36	4	896	1000	2197	3064	147
04.01 - 10.00	155	33	33	-	778	1000	2555	2147	101
10.01 & above	312	20	262	-	405	1000	838	426	19
all	146	25	50	3	775	1000	7973	10949	528

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Maharashtra

size-class of ownership holding (ha)	mode of use of tractor for tilling				not used	all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor					estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
other cereals									
nil (<0.01)	-	-	-	-	1000	1000	116	137	5
00.01 - 00.20	179	-	-	-	821	1000	131	839	43
00.21 - 00.50	125	21	-	-	854	1000	1018	3452	162
00.51 - 01.00	50	16	-	0	934	1000	3696	6407	302
01.01 - 02.00	101	9	12	1	876	1000	9374	10299	487
02.01 - 04.00	80	11	25	5	880	1000	12415	8322	388
04.01 - 10.00	110	49	27	-	814	1000	12155	5156	235
10.01 & above	37	11	116	131	705	1000	3861	762	35
all	88	22	28	13	849	1000	42767	35375	1657
pulses									
nil (<0.01)	-	-	-	-	1000	1000	9	22	2
00.01 - 00.20	276	-	-	-	724	1000	17	90	5
00.21 - 00.50	83	-	-	-	917	1000	157	744	36
00.51 - 01.00	60	-	29	-	911	1000	639	2152	99
01.01 - 02.00	82	12	4	-	901	1000	2152	4794	223
02.01 - 04.00	53	9	26	-	912	1000	3236	4401	206
04.01 - 10.00	55	19	12	-	913	1000	3732	3005	140
10.01 & above	82	-	213	-	705	1000	1061	451	21
all	63	12	35	-	890	1000	11002	15659	732
oil seeds									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	417	-	-	-	583	1000	20	204	9
00.21 - 00.50	200	-	-	22	778	1000	97	414	19
00.51 - 01.00	154	-	-	23	824	1000	526	1399	61
01.01 - 02.00	133	4	-	29	834	1000	1271	2101	98
02.01 - 04.00	97	5	3	-	896	1000	1856	2026	92
04.01 - 10.00	157	20	65	-	758	1000	2550	1712	77
10.01 & above	88	-	350	-	561	1000	657	195	9
all	131	9	58	7	795	1000	6977	8051	365

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Maharashtra

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
mixed crop									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	1	23	2
00.21 - 00.50	-	-	-	-	1000	1000	57	161	7
00.51 - 01.00	-	-	-	-	1000	1000	332	448	21
01.01 - 02.00	41	-	-	-	959	1000	696	722	35
02.01 - 04.00	-	38	-	-	962	1000	1019	743	38
04.01 - 10.00	68	17	-	-	915	1000	2417	723	34
10.01 & above	914	-	-	-	86	1000	63	16	2
all	55	17	-	-	928	1000	4585	2835	139
sugar cane									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	526	9	-	-	465	1000	47	425	24
00.21 - 00.50	522	133	-	-	346	1000	134	588	25
00.51 - 01.00	474	72	-	-	454	1000	321	811	35
01.01 - 02.00	421	177	53	20	329	1000	757	1267	58
02.01 - 04.00	442	-	211	-	347	1000	768	868	42
04.01 - 10.00	294	93	175	-	437	1000	881	507	22
10.01 & above	356	-	291	-	353	1000	466	143	8
all	394	76	146	4	379	1000	3375	4609	214
vegetables									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	22	343	14
00.21 - 00.50	481	-	-	-	519	1000	22	173	9
00.51 - 01.00	251	-	-	-	749	1000	134	517	26
01.01 - 02.00	283	9	12	-	696	1000	471	1254	65
02.01 - 04.00	269	59	53	30	589	1000	529	1118	54
04.01 - 10.00	19	20	-	-	962	1000	432	562	27
10.01 & above	-	-	151	-	849	1000	302	190	8
all	171	23	42	8	756	1000	1911	4156	203

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5-most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Maharashtra

size-class of ownership holding (ha)	mode of use of tractor for tilling				not used	all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor					estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
fodder									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	2	23	1
00.21 - 00.50	23	-	-	-	977	1000	45	138	6
00.51 - 01.00	12	-	-	-	988	1000	117	375	18
01.01 - 02.00	216	-	-	-	784	1000	189	470	22
02.01 - 04.00	3	-	11	-	986	1000	296	597	28
04.01 - 10.00	21	-	5	-	974	1000	126	389	18
10.01 & above	494	-	169	-	337	1000	134	72	3
all	125	-	29	-	846	1000	909	2063	96
fruits & nuts									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	24	166	9
00.21 - 00.50	20	-	-	-	980	1000	97	444	19
00.51 - 01.00	90	-	-	-	910	1000	131	427	19
01.01 - 02.00	231	-	81	-	688	1000	216	529	23
02.01 - 04.00	158	-	22	-	821	1000	214	410	18
04.01 - 10.00	133	164	278	-	424	1000	496	377	17
10.01 & above	331	-	159	-	510	1000	602	201	8
all	204	46	144	-	607	1000	1781	2555	113
other cash crops									
nil (<0.01)	-	-	-	-	1000	1000	19	60	2
00.01 - 00.20	-	-	-	-	1000	1000	254	170	8
00.21 - 00.50	36	-	-	-	964	1000	153	541	28
00.51 - 01.00	146	32	-	0	822	1000	1206	2253	106
01.01 - 02.00	105	16	22	-	858	1000	4051	4668	217
02.01 - 04.00	75	13	12	8	892	1000	4801	3781	164
04.01 - 10.00	112	64	7	-	817	1000	6394	2699	118
10.01 & above	55	-	32	-	913	1000	2855	437	19
all	93	29	14	2	861	1000	19732	14609	662

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Maharashtra

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
others									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	4	19	1
00.21 - 00.50	533	-	-	-	467	1000	8	56	3
00.51 - 01.00	281	-	-	-	719	1000	46	81	3
01.01 - 02.00	-	-	-	-	1000	1000	116	226	9
02.01 - 04.00	31	-	32	-	937	1000	234	336	15
04.01 - 10.00	-	-	-	-	1000	1000	204	151	7
10.01 & above	-	-	298	-	702	1000	80	52	2
all	35	-	45	-	919	1000	693	921	40

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Manipur

size-class of ownership holding (ha)	mode of use of tractor for tilling				not used	all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor					estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	-	176	-	-	824	1000	75	115	46
00.01 - 00.20	211	186	-	-	602	1000	4	21	7
00.21 - 00.50	232	368	19	-	382	1000	97	321	116
00.51 - 01.00	210	208	-	7	575	1000	410	683	191
01.01 - 02.00	414	218	20	-	340	1000	304	289	100
02.01 - 04.00	683	230	-	-	87	1000	123	61	26
04.01 - 10.00	501	-	-	-	499	1000	24	10	6
10.01 & above	-	-	-	-	-	-	-	-	-
all	320	221	8	3	446	1000	1035	1500	492
Paddy(*rabi*)									
nil (<0.01)	754	-	-	-	246	1000	91	63	20
00.01 - 00.20	-	-	-	-	1000	1000	1	12	4
00.21 - 00.50	308	22	148	-	522	1000	32	112	45
00.51 - 01.00	85	100	33	1	781	1000	80	143	62
01.01 - 02.00	93	124	-	-	783	1000	55	53	36
02.01 - 04.00	130	-	-	-	870	1000	23	15	8
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	330	55	26	0	588	1000	283	398	175
other cereals									
nil (<0.01)	-	-	-	-	1000	1000	5	44	17
00.01 - 00.20	875	-	-	-	125	1000	0	8	2
00.21 - 00.50	769	-	-	-	231	1000	1	20	6
00.51 - 01.00	891	-	-	-	109	1000	1	13	6
01.01 - 02.00	122	89	-	-	789	1000	6	23	8
02.01 - 04.00	-	-	-	-	1000	1000	0	3	1
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	223	39	-	-	738	1000	13	111	40

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Manipur

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
pulses									
nil (<0.01)	-	-	-	-	1000	1000	5	74	28
00.01 - 00.20	490	-	-	-	510	1000	0	14	4
00.21 - 00.50	-	-	-	-	1000	1000	2	30	9
00.51 - 01.00	-	-	-	-	1000	1000	5	46	18
01.01 - 02.00	-	-	-	-	1000	1000	5	32	20
02.01 - 04.00	-	-	-	-	1000	1000	4	11	4
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	3	-	-	-	997	1000	21	207	83
oil seeds									
nil (<0.01)	-	-	-	-	1000	1000	5	41	16
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	463	-	-	-	537	1000	0	8	2
00.51 - 01.00	205	-	-	-	795	1000	1	5	2
01.01 - 02.00	-	-	-	-	-	-	-	-	-
02.01 - 04.00	-	-	-	-	-	-	-	-	-
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	40	-	-	-	960	1000	6	55	20
mixed crop									
nil (<0.01)	-	-	-	-	1000	1000	17	46	25
00.01 - 00.20	35	-	-	-	965	1000	1	59	17
00.21 - 00.50	418	-	9	126	446	1000	6	65	25
00.51 - 01.00	356	21	-	394	229	1000	9	181	54
01.01 - 02.00	282	44	-	231	444	1000	7	108	40
02.01 - 04.00	916	-	-	-	84	1000	3	37	16
04.01 - 10.00	967	-	-	-	33	1000	2	6	4
10.01 & above	-	-	-	-	-	-	-	-	-
all	277	11	1	132	578	1000	45	502	181

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Manipur

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
vegetables									
nil (<0.01)	-	-	-	-	1000	1000	20	147	61
00.01 - 00.20	12	-	-	-	988	1000	6	153	45
00.21 - 00.50	24	32	20	26	897	1000	15	256	85
00.51 - 01.00	6	45	-	22	926	1000	36	437	129
01.01 - 02.00	445	62	-	20	439	1000	24	197	80
02.01 - 04.00	270	11	-	256	463	1000	9	71	29
04.01 - 10.00	954	-	-	-	46	1000	2	6	4
10.01 & above	-	-	-	-	-	-	-	-	-
all	139	33	3	35	783	1000	113	1267	433
fruits & nuts									
nil (<0.01)	-	-	-	-	1000	1000	1	7	10
00.01 - 00.20	90	-	76	-	834	1000	1	42	14
00.21 - 00.50	-	-	-	-	1000	1000	1	19	8
00.51 - 01.00	-	-	-	-	1000	1000	1	36	16
01.01 - 02.00	-	-	-	-	1000	1000	1	43	17
02.01 - 04.00	-	-	-	-	1000	1000	0	13	8
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	15	-	12	-	973	1000	5	161	73
other cash crops									
nil (<0.01)	-	-	-	-	1000	1000	3	9	4
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	981	-	-	-	19	1000	1	7	2
00.51 - 01.00	-	-	-	-	1000	1000	1	3	2
01.01 - 02.00	-	-	-	-	1000	1000	0	3	11
02.01 - 04.00	-	-	-	-	1000	1000	0	0	1
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	217	-	-	-	783	1000	5	24	20

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Manipur

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
others									
nil (<0.01)	-	-	-	-	1000	1000	2	18	12
00.01 - 00.20	-	-	-	-	1000	1000	2	49	13
00.21 - 00.50	-	-	-	-	1000	1000	4	59	11
00.51 - 01.00	-	-	-	-	1000	1000	14	153	38
01.01 - 02.00	-	-	-	-	1000	1000	2	30	10
02.01 - 04.00	-	-	-	-	1000	1000	2	7	4
04.01 - 10.00	-	-	-	-	1000	1000	0	2	2
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	26	318	90

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Meghalaya

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	-	-	-	-	1000	1000	1	9	3
00.01 - 00.20	-	-	-	-	1000	1000	34	132	42
00.21 - 00.50	-	-	-	-	1000	1000	92	431	114
00.51 - 01.00	-	-	-	-	1000	1000	255	536	147
01.01 - 02.00	-	12	-	-	988	1000	310	457	145
02.01 - 04.00	5	22	4	-	968	1000	382	312	97
04.01 - 10.00	-	56	-	-	944	1000	240	77	24
10.01 & above	-	-	-	-	-	-	-	-	-
all	2	19	1	-	978	1000	1313	1953	572
Paddy(*rabi*)									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	-	-	-	-	1000	1000	11	42	11
00.51 - 01.00	-	-	-	-	1000	1000	50	111	30
01.01 - 02.00	-	-	-	-	1000	1000	14	33	13
02.01 - 04.00	150	-	174	-	676	1000	14	29	9
04.01 - 10.00	-	-	-	-	1000	1000	5	5	2
10.01 & above	-	-	-	-	-	-	-	-	-
all	22	-	25	-	953	1000	94	221	65
other cereals									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	6	45	13
00.21 - 00.50	-	-	-	-	1000	1000	20	153	30
00.51 - 01.00	-	-	-	-	1000	1000	26	110	33
01.01 - 02.00	-	-	-	-	1000	1000	48	133	46
02.01 - 04.00	-	-	-	39	961	1000	51	71	21
04.01 - 10.00	-	-	-	-	1000	1000	18	30	11
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	12	988	1000	169	542	154

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Meghalaya

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
pulses									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	0	6	3
00.21 - 00.50	-	-	-	-	1000	1000	1	22	8
00.51 - 01.00	-	-	-	-	1000	1000	3	29	10
01.01 - 02.00	-	-	-	-	1000	1000	3	21	4
02.01 - 04.00	-	-	-	-	-	-	-	-	-
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	6	78	25
mixed crop									
nil (<0.01)	-	-	-	-	1000	1000	0	4	1
00.01 - 00.20	-	-	-	-	1000	1000	24	149	35
00.21 - 00.50	-	-	-	-	1000	1000	48	272	36
00.51 - 01.00	-	-	-	-	1000	1000	63	229	50
01.01 - 02.00	-	-	-	-	1000	1000	56	142	48
02.01 - 04.00	-	-	-	-	1000	1000	26	42	14
04.01 - 10.00	-	-	-	-	1000	1000	5	6	2
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	222	845	186
vegetables									
nil (<0.01)	-	-	-	-	1000	1000	1	6	2
00.01 - 00.20	-	-	-	-	1000	1000	30	245	78
00.21 - 00.50	-	-	-	-	1000	1000	110	573	161
00.51 - 01.00	-	-	-	-	1000	1000	192	613	186
01.01 - 02.00	-	-	-	-	1000	1000	217	476	155
02.01 - 04.00	-	-	-	-	1000	1000	273	360	117
04.01 - 10.00	-	70	-	-	930	1000	75	82	26
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	6	-	-	994	1000	898	2355	725

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Meghalaya

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
fruits & nuts									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	5	56	17
00.21 - 00.50	-	-	-	-	1000	1000	5	76	31
00.51 - 01.00	-	-	-	-	1000	1000	25	160	52
01.01 - 02.00	-	-	-	-	1000	1000	65	195	61
02.01 - 04.00	-	-	-	-	1000	1000	107	112	39
04.01 - 10.00	-	-	-	-	1000	1000	28	28	8
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	234	626	208
other cash crops									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	3	40	11
00.21 - 00.50	-	-	-	-	1000	1000	2	17	4
00.51 - 01.00	-	-	-	-	1000	1000	7	45	9
01.01 - 02.00	-	-	-	-	1000	1000	32	67	20
02.01 - 04.00	-	-	-	-	1000	1000	51	55	15
04.01 - 10.00	-	-	-	-	1000	1000	6	6	2
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	102	232	61
others									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	1	9	5
00.21 - 00.50	-	-	-	-	1000	1000	12	72	29
00.51 - 01.00	-	-	-	-	1000	1000	34	157	54
01.01 - 02.00	-	-	-	-	1000	1000	29	113	41
02.01 - 04.00	-	-	-	-	1000	1000	32	88	34
04.01 - 10.00	-	-	-	-	1000	1000	14	24	8
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	123	462	171

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Mizoram

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	-	-	-	4	996	1000	26	64	45
00.01 - 00.20	-	-	-	-	1000	1000	115	196	160
00.21 - 00.50	-	-	-	3	997	1000	17	28	30
00.51 - 01.00	-	-	-	41	959	1000	14	34	26
01.01 - 02.00	-	-	-	-	1000	1000	29	40	33
02.01 - 04.00	-	-	-	-	1000	1000	12	12	14
04.01 - 10.00	-	-	-	-	1000	1000	6	3	3
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	3	997	1000	219	377	311
Paddy(*rabi*)									
nil (<0.01)	-	-	-	-	1000	1000	2	8	5
00.01 - 00.20	-	-	-	-	1000	1000	23	37	26
00.21 - 00.50	-	-	-	-	1000	1000	0	1	3
00.51 - 01.00	-	-	-	-	1000	1000	2	6	11
01.01 - 02.00	-	-	-	-	1000	1000	1	1	3
02.01 - 04.00	-	-	-	-	1000	1000	0	0	1
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	29	55	49
other cereals									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	6	41	34
00.21 - 00.50	-	-	-	-	1000	1000	1	9	11
00.51 - 01.00	-	-	-	181	819	1000	1	15	20
01.01 - 02.00	-	-	-	-	1000	1000	1	6	7
02.01 - 04.00	-	-	-	-	1000	1000	0	3	2
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	19	981	1000	8	74	74

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Mizoram

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
pulses									
nil (<0.01)	-	-	-	-	1000	1000	3	32	23
00.01 - 00.20	-	-	-	-	1000	1000	8	75	58
00.21 - 00.50	-	-	-	-	1000	1000	1	10	9
00.51 - 01.00	-	-	-	-	1000	1000	2	16	18
01.01 - 02.00	-	-	-	-	1000	1000	1	11	9
02.01 - 04.00	-	-	-	-	1000	1000	2	3	2
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	16	147	119
mixed crop									
nil (<0.01)	-	-	-	-	1000	1000	25	70	47
00.01 - 00.20	-	-	-	-	1000	1000	56	138	96
00.21 - 00.50	-	-	-	-	1000	1000	5	18	12
00.51 - 01.00	-	-	-	-	1000	1000	16	35	26
01.01 - 02.00	-	-	-	-	1000	1000	20	31	24
02.01 - 04.00	-	-	-	-	1000	1000	3	5	4
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	125	296	209
vegetables									
nil (<0.01)	-	-	-	-	1000	1000	7	51	35
00.01 - 00.20	-	-	-	-	1000	1000	28	196	144
00.21 - 00.50	-	-	-	-	1000	1000	3	18	21
00.51 - 01.00	-	-	-	28	972	1000	5	24	26
01.01 - 02.00	-	-	-	-	1000	1000	3	15	13
02.01 - 04.00	-	-	-	-	1000	1000	0	1	1
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	3	997	1000	46	305	240

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Mizoram

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
fruits & nuts									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	1	6	5
00.21 - 00.50	-	-	-	-	1000	1000	2	8	11
00.51 - 01.00	-	-	-	105	895	1000	1	7	9
01.01 - 02.00	-	-	-	-	1000	1000	5	11	9
02.01 - 04.00	-	-	-	-	1000	1000	3	3	3
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	12	988	1000	12	37	37
other cash crops									
nil (<0.01)	-	-	-	-	1000	1000	3	16	9
00.01 - 00.20	-	-	-	-	1000	1000	3	15	11
00.21 - 00.50	-	-	-	-	1000	1000	2	16	18
00.51 - 01.00	-	-	-	34	966	1000	4	20	20
01.01 - 02.00	-	-	-	-	1000	1000	11	31	27
02.01 - 04.00	-	-	-	-	1000	1000	4	9	7
04.01 - 10.00	-	-	-	-	1000	1000	1	3	3
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	5	995	1000	28	110	95
others									
nil (<0.01)	-	-	-	-	1000	1000	7	45	31
00.01 - 00.20	-	-	-	-	1000	1000	9	96	70
00.21 - 00.50	-	-	-	-	1000	1000	0	2	1
00.51 - 01.00	-	-	-	-	1000	1000	2	7	5
01.01 - 02.00	-	-	-	-	1000	1000	0	3	2
02.01 - 04.00	-	-	-	-	-	-	-	-	-
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	18	153	109

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Nagaland

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	-	-	-	-	1000	1000	12	10	9
00.01 - 00.20	-	-	-	-	1000	1000	1	5	5
00.21 - 00.50	-	-	-	-	1000	1000	4	19	22
00.51 - 01.00	-	-	-	-	1000	1000	24	50	50
01.01 - 02.00	-	-	-	-	1000	1000	128	139	142
02.01 - 04.00	-	-	-	-	1000	1000	348	239	272
04.01 - 10.00	-	-	-	-	1000	1000	419	116	129
10.01 & above	-	-	-	-	1000	1000	42	7	8
all	-	-	-	-	1000	1000	978	585	637
Paddy(*rabi*)									
nil (<0.01)	-	-	-	-	1000	1000	8	6	4
00.01 - 00.20	-	-	-	-	1000	1000	0	2	2
00.21 - 00.50	-	-	-	-	1000	1000	1	6	8
00.51 - 01.00	-	-	-	-	1000	1000	9	27	26
01.01 - 02.00	-	-	-	-	1000	1000	72	104	88
02.01 - 04.00	-	-	-	-	1000	1000	228	203	210
04.01 - 10.00	-	-	89	-	911	1000	45	23	26
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	11	-	989	1000	363	371	364
other cereals									
nil (<0.01)	-	-	-	-	1000	1000	3	15	12
00.01 - 00.20	-	-	-	-	1000	1000	1	17	11
00.21 - 00.50	-	-	-	-	1000	1000	1	14	16
00.51 - 01.00	-	-	-	-	1000	1000	7	45	41
01.01 - 02.00	-	-	-	-	1000	1000	28	143	132
02.01 - 04.00	-	33	-	-	967	1000	82	273	290
04.01 - 10.00	-	-	-	-	1000	1000	33	47	55
10.01 & above	-	-	-	-	1000	1000	5	3	3
all	-	17	-	-	983	1000	160	557	560

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Nagaland

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
pulses									
nil (<0.01)	-	-	-	-	1000	1000	0	2	2
00.01 - 00.20	-	-	-	-	1000	1000	0	0	1
00.21 - 00.50	-	-	-	-	1000	1000	0	3	3
00.51 - 01.00	-	-	-	-	1000	1000	1	12	12
01.01 - 02.00	-	-	-	-	1000	1000	4	31	33
02.01 - 04.00	-	-	-	-	1000	1000	11	64	65
04.01 - 10.00	-	-	-	-	1000	1000	28	33	35
10.01 & above	-	-	-	-	1000	1000	1	1	1
all	-	-	-	-	1000	1000	46	147	152
oil seeds									
nil (<0.01)	-	-	-	-	1000	1000	1	7	3
00.01 - 00.20	-	-	-	-	1000	1000	0	3	1
00.21 - 00.50	-	-	-	-	1000	1000	0	3	2
00.51 - 01.00	-	-	-	-	1000	1000	1	8	4
01.01 - 02.00	220	-	-	-	780	1000	6	13	7
02.01 - 04.00	-	-	-	-	1000	1000	3	10	5
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	113	-	-	-	887	1000	12	44	22
mixed crop									
nil (<0.01)	-	-	-	-	1000	1000	0	2	3
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	-	-	-	-	1000	1000	0	4	5
00.51 - 01.00	-	-	-	-	1000	1000	2	7	6
01.01 - 02.00	-	-	-	-	1000	1000	11	53	51
02.01 - 04.00	-	-	-	-	1000	1000	25	110	120
04.01 - 10.00	-	-	-	-	1000	1000	94	89	93
10.01 & above	-	-	-	-	1000	1000	9	5	6
all	-	-	-	-	1000	1000	141	272	284

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Nagaland

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
vegetables									
nil (<0.01)	-	-	-	-	1000	1000	1	14	11
00.01 - 00.20	-	-	-	-	1000	1000	1	24	20
00.21 - 00.50	-	-	-	-	1000	1000	3	35	43
00.51 - 01.00	-	-	-	-	1000	1000	12	72	67
01.01 - 02.00	-	-	-	-	1000	1000	38	170	161
02.01 - 04.00	-	-	-	-	1000	1000	87	297	327
04.01 - 10.00	-	-	-	-	1000	1000	101	121	131
10.01 & above	-	-	-	-	1000	1000	11	7	8
all	-	-	-	-	1000	1000	254	739	768
fodder									
nil (<0.01)	-	-	-	-	1000	1000	0	2	2
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	-	-	-	-	1000	1000	0	0	1
00.51 - 01.00	-	-	-	-	1000	1000	0	2	2
01.01 - 02.00	-	-	-	-	1000	1000	0	6	5
02.01 - 04.00	-	-	-	-	1000	1000	6	32	26
04.01 - 10.00	-	-	-	-	1000	1000	1	9	5
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	8	51	41
fruits & nuts									
nil (<0.01)	-	-	-	-	1000	1000	0	0	1
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	-	-	-	-	1000	1000	0	0	1
00.51 - 01.00	-	-	-	-	1000	1000	0	1	2
01.01 - 02.00	-	-	-	-	1000	1000	0	11	11
02.01 - 04.00	-	-	-	-	1000	1000	1	14	22
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	2	27	37

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Nagaland

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
other cash crops									
nil (< 0.01)	-	-	-	-	1000	1000	0	1	1
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	-	-	-	-	1000	1000	0	4	4
00.51 - 01.00	-	-	-	-	1000	1000	1	6	5
01.01 - 02.00	-	-	-	-	1000	1000	4	14	8
02.01 - 04.00	-	-	-	-	1000	1000	7	10	7
04.01 - 10.00	-	-	-	-	1000	1000	83	62	60
10.01 & above	-	-	-	-	1000	1000	5	4	5
all	-	-	-	-	1000	1000	101	101	90
others									
nil (< 0.01)	-	-	-	-	1000	1000	0	1	3
00.01 - 00.20	-	-	-	-	1000	1000	0	0	1
00.21 - 00.50	-	-	-	-	-	-	-	-	-
00.51 - 01.00	-	-	-	-	1000	1000	2	7	9
01.01 - 02.00	-	-	-	-	1000	1000	9	18	22
02.01 - 04.00	-	-	-	-	1000	1000	14	25	34
04.01 - 10.00	-	-	-	-	1000	1000	73	68	69
10.01 & above	-	-	-	-	1000	1000	10	6	7
all	-	-	-	-	1000	1000	107	125	145

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Orissa

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	-	48	-	-	952	1000	48	160	17
00.01 - 00.20	11	72	-	3	914	1000	932	5300	291
00.21 - 00.50	12	53	3	8	924	1000	4043	11460	620
00.51 - 01.00	14	58	5	7	914	1000	7229	10623	543
01.01 - 02.00	26	83	6	14	871	1000	8254	7170	371
02.01 - 04.00	18	82	-	42	858	1000	6315	2864	143
04.01 - 10.00	32	108	-	56	804	1000	2854	609	32
10.01 & above	-	-	-	-	1000	1000	1104	122	3
all	19	72	3	20	885	1000	30778	38308	2020
Paddy(*rabi*)									
nil (<0.01)	842	-	-	-	158	1000	1	34	2
00.01 - 00.20	351	170	-	-	479	1000	50	316	19
00.21 - 00.50	200	66	19	-	715	1000	187	695	41
00.51 - 01.00	87	132	39	-	743	1000	272	688	38
01.01 - 02.00	265	52	97	-	586	1000	345	620	35
02.01 - 04.00	299	239	-	90	372	1000	272	269	16
04.01 - 10.00	-	461	-	539	-	1000	162	73	3
10.01 & above	-	-	-	-	-	-	-	-	-
all	195	166	37	87	514	1000	1290	2695	154
other cereals									
nil (<0.01)	-	-	-	-	1000	1000	3	52	7
00.01 - 00.20	-	-	-	-	1000	1000	36	314	17
00.21 - 00.50	-	-	-	-	1000	1000	151	1045	55
00.51 - 01.00	-	-	-	-	1000	1000	260	1243	67
01.01 - 02.00	-	11	-	-	989	1000	460	1301	67
02.01 - 04.00	-	-	-	-	1000	1000	165	357	19
04.01 - 10.00	-	-	-	565	435	1000	103	81	3
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	4	-	49	946	1000	1177	4394	235

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Orissa

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
pulses									
nil (<0.01)	-	-	-	-	1000	1000	3	34	6
00.01 - 00.20	76	92	-	-	832	1000	31	410	27
00.21 - 00.50	-	64	-	-	936	1000	368	1640	85
00.51 - 01.00	11	35	4	9	941	1000	694	2255	118
01.01 - 02.00	38	14	-	34	913	1000	855	2109	114
02.01 - 04.00	-	10	-	99	891	1000	862	922	50
04.01 - 10.00	157	-	-	139	704	1000	418	206	10
10.01 & above	-	-	-	-	1000	1000	135	43	2
all	32	21	1	53	893	1000	3367	7619	412
oil seeds									
nil (<0.01)	-	-	-	-	1000	1000	7	18	1
00.01 - 00.20	-	-	-	-	1000	1000	24	331	21
00.21 - 00.50	-	-	-	-	1000	1000	42	537	29
00.51 - 01.00	-	-	-	-	1000	1000	112	697	35
01.01 - 02.00	-	43	-	-	957	1000	183	830	46
02.01 - 04.00	-	-	-	-	1000	1000	33	125	7
04.01 - 10.00	-	-	-	-	1000	1000	38	56	3
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	18	-	-	982	1000	439	2593	142
vegetables									
nil (<0.01)	-	-	-	-	1000	1000	2	102	10
00.01 - 00.20	9	98	-	-	893	1000	42	883	49
00.21 - 00.50	-	-	-	-	1000	1000	115	1302	68
00.51 - 01.00	26	64	10	36	864	1000	164	1587	76
01.01 - 02.00	-	97	-	36	867	1000	219	1590	78
02.01 - 04.00	-	-	-	52	948	1000	79	415	23
04.01 - 10.00	-	-	-	-	1000	1000	8	125	6
10.01 & above	-	-	-	-	1000	1000	18	18	1
all	7	56	2	28	907	1000	647	6021	311

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Orissa

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
fruits & nuts									
nil (<0.01)	-	-	-	-	-	-	-	18	1
00.01 - 00.20	-	-	-	-	1000	1000	3	153	10
00.21 - 00.50	-	-	-	-	1000	1000	7	62	3
00.51 - 01.00	-	-	426	-	574	1000	13	63	3
01.01 - 02.00	-	-	-	-	1000	1000	44	88	7
02.01 - 04.00	-	-	-	-	-	-	-	-	-
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	81	-	919	1000	66	384	24
other cash crops									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	5	47	2
00.21 - 00.50	-	-	-	-	1000	1000	4	47	2
00.51 - 01.00	-	-	-	-	1000	1000	74	203	10
01.01 - 02.00	-	-	-	-	1000	1000	58	121	6
02.01 - 04.00	-	-	-	559	441	1000	27	65	3
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	1000	1000	149	25	1
all	-	-	-	47	953	1000	317	509	24

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Punjab

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (< 0.01)	1000	-	-	-	-	1000	47	16	2
00.01 - 00.20	448	546	-	-	6	1000	47	81	9
00.21 - 00.50	780	70	65	-	85	1000	192	661	55
00.51 - 01.00	633	78	215	30	44	1000	767	958	79
01.01 - 02.00	609	72	275	-	44	1000	2404	2021	175
02.01 - 04.00	313	59	577	30	21	1000	3751	1661	143
04.01 - 10.00	187	10	770	5	28	1000	4624	1000	85
10.01 & above	-	-	1000	-	-	1000	2263	261	23
all	299	38	626	11	26	1000	14095	6660	571
Paddy(*rabi*)									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	1000	-	-	-	-	1000	4	25	2
00.21 - 00.50	1000	-	-	-	-	1000	2	9	1
00.51 - 01.00	1000	-	-	-	-	1000	19	21	2
01.01 - 02.00	443	-	557	-	-	1000	115	106	9
02.01 - 04.00	572	-	306	-	122	1000	92	44	4
04.01 - 10.00	245	-	647	-	108	1000	208	84	7
10.01 & above	-	-	1000	-	-	1000	130	25	2
all	315	-	626	-	59	1000	571	314	27
wheat									
nil (< 0.01)	457	-	543	-	-	1000	101	29	2
00.01 - 00.20	478	287	-	-	235	1000	90	223	22
00.21 - 00.50	724	95	60	-	121	1000	268	938	81
00.51 - 01.00	542	158	236	20	44	1000	1173	1395	116
01.01 - 02.00	575	76	290	-	59	1000	3422	2713	236
02.01 - 04.00	312	58	567	30	32	1000	5135	2157	185
04.01 - 10.00	181	13	780	-	26	1000	7171	1495	127
10.01 & above	31	-	969	-	-	1000	4343	377	33
all	273	41	648	8	30	1000	21703	9328	802

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Punjab

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
other cereals									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	139	-	-	-	861	1000	17	88	9
00.21 - 00.50	745	-	-	-	255	1000	43	189	17
00.51 - 01.00	180	475	248	-	96	1000	153	103	9
01.01 - 02.00	370	-	121	-	509	1000	119	209	18
02.01 - 04.00	235	115	259	-	390	1000	165	168	17
04.01 - 10.00	263	-	298	53	386	1000	213	136	16
10.01 & above	-	-	1000	-	-	1000	20	26	2
all	275	126	244	15	339	1000	730	917	88
oil seeds									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	590	-	410	-	-	1000	9	28	3
00.51 - 01.00	-	-	1000	-	-	1000	15	36	3
01.01 - 02.00	367	-	633	-	-	1000	39	96	7
02.01 - 04.00	403	429	168	-	-	1000	75	128	13
04.01 - 10.00	140	-	860	-	-	1000	58	88	10
10.01 & above	-	-	1000	-	-	1000	2	10	1
all	292	163	545	-	-	1000	199	386	37
sugar cane									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	-	-	-	-	-	-	-	-	-
00.51 - 01.00	216	784	-	-	-	1000	6	24	2
01.01 - 02.00	575	-	425	-	-	1000	60	117	10
02.01 - 04.00	-	-	1000	-	-	1000	44	93	9
04.01 - 10.00	-	-	1000	-	-	1000	66	103	10
10.01 & above	-	-	1000	-	-	1000	13	21	2
all	188	24	788	-	-	1000	189	358	33

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Punjab

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
vegetables									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	258	-	153	-	589	1000	12	44	3
00.51 - 01.00	481	-	519	-	-	1000	9	22	2
01.01 - 02.00	448	262	278	-	13	1000	66	66	6
02.01 - 04.00	17	-	983	-	-	1000	28	62	6
04.01 - 10.00	249	-	751	-	-	1000	139	83	8
10.01 & above	-	-	1000	-	-	1000	70	12	1
all	222	53	700	-	24	1000	324	288	26
fodder									
nil (<0.01)	609	-	391	-	-	1000	40	50	5
00.01 - 00.20	583	167	31	-	218	1000	59	350	35
00.21 - 00.50	816	49	19	-	116	1000	226	913	81
00.51 - 01.00	655	99	163	10	74	1000	516	1355	113
01.01 - 02.00	619	63	229	6	82	1000	1116	2797	245
02.01 - 04.00	311	56	559	25	49	1000	1199	2160	186
04.01 - 10.00	187	29	758	3	22	1000	1324	1562	130
10.01 & above	55	-	945	-	-	1000	435	365	32
all	390	50	498	9	52	1000	4913	9551	827
other cash crops									
nil (<0.01)	10	-	990	-	-	1000	70	15	2
00.01 - 00.20	1000	-	-	-	-	1000	15	20	2
00.21 - 00.50	597	403	-	-	-	1000	30	88	9
00.51 - 01.00	403	328	236	-	32	1000	193	244	19
01.01 - 02.00	558	98	321	-	23	1000	735	608	49
02.01 - 04.00	315	146	502	38	-	1000	1168	675	54
04.01 - 10.00	187	6	807	-	-	1000	2455	532	42
10.01 & above	70	-	930	-	-	1000	1907	174	15
all	225	51	714	7	4	1000	6573	2356	192

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Rajasthan

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	2	24	2
00.21 - 00.50	104	-	-	-	896	1000	123	783	40
00.51 - 01.00	101	-	-	-	899	1000	271	921	42
01.01 - 02.00	390	160	-	-	450	1000	321	347	15
02.01 - 04.00	741	116	34	-	109	1000	298	206	9
04.01 - 10.00	-	405	457	-	139	1000	244	105	4
10.01 & above	-	-	-	-	-	-	-	-	-
all	306	147	96	-	450	1000	1259	2385	112
wheat									
nil (<0.01)	955	45	-	-	-	1000	177	242	15
00.01 - 00.20	598	231	56	-	115	1000	370	951	54
00.21 - 00.50	661	34	16	3	285	1000	1897	5141	269
00.51 - 01.00	590	65	27	-	318	1000	2471	5522	285
01.01 - 02.00	677	83	69	9	162	1000	5265	7241	388
02.01 - 04.00	730	96	84	-	90	1000	8000	6400	356
04.01 - 10.00	567	83	287	26	36	1000	10215	3943	222
10.01 & above	252	47	701	-	-	1000	4558	777	49
all	590	78	221	10	101	1000	32952	30217	1638
other cereals									
nil (<0.01)	973	13	-	-	13	1000	292	259	16
00.01 - 00.20	445	7	9	-	539	1000	255	1546	83
00.21 - 00.50	616	43	32	3	306	1000	2266	6149	329
00.51 - 01.00	541	69	49	6	335	1000	3381	6402	339
01.01 - 02.00	676	58	61	4	201	1000	7814	8561	463
02.01 - 04.00	711	73	89	11	116	1000	12304	7581	424
04.01 - 10.00	669	67	159	35	69	1000	18102	5826	337
10.01 & above	574	32	319	28	47	1000	10406	1571	97
all	652	59	146	20	122	1000	54819	37895	2088

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Rajasthan

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
pulses									
nil (<0.01)	504	496	-	-	-	1000	190	80	5
00.01 - 00.20	552	-	324	-	124	1000	146	332	19
00.21 - 00.50	235	90	33	13	629	1000	269	1664	92
00.51 - 01.00	467	56	39	4	434	1000	715	2051	109
01.01 - 02.00	607	80	42	30	241	1000	1690	2799	155
02.01 - 04.00	657	77	101	12	154	1000	3862	3475	197
04.01 - 10.00	583	135	125	55	103	1000	7422	3266	188
10.01 & above	588	130	243	31	8	1000	5375	1185	72
all	591	116	141	34	117	1000	19670	14853	837
oil seeds									
nil (<0.01)	949	51	-	-	-	1000	232	224	14
00.01 - 00.20	590	390	-	-	20	1000	273	333	16
00.21 - 00.50	861	34	23	-	82	1000	345	1351	72
00.51 - 01.00	684	73	49	7	187	1000	1053	2762	146
01.01 - 02.00	649	101	79	8	163	1000	2981	4252	222
02.01 - 04.00	730	40	158	-	72	1000	4709	4010	229
04.01 - 10.00	557	53	304	28	58	1000	6076	2957	173
10.01 & above	373	63	548	-	16	1000	3442	792	51
all	599	65	250	11	76	1000	19110	16681	923
mixed crop									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	422	-	-	-	578	1000	30	173	8
00.21 - 00.50	183	49	-	23	745	1000	236	917	47
00.51 - 01.00	350	28	-	-	622	1000	709	1514	73
01.01 - 02.00	733	14	18	-	235	1000	1691	1894	96
02.01 - 04.00	832	69	28	-	71	1000	2881	1680	89
04.01 - 10.00	925	28	47	-	-	1000	4978	1737	98
10.01 & above	743	-	152	-	105	1000	3129	446	25
all	796	29	60	0	115	1000	13654	8360	436

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Rajasthan

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
sugar cane									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	-	-	-	-	1000	1000	6	41	2
00.51 - 01.00	800	51	-	-	148	1000	33	156	8
01.01 - 02.00	858	37	-	-	105	1000	90	243	13
02.01 - 04.00	925	43	-	-	32	1000	249	315	16
04.01 - 10.00	413	-	579	-	8	1000	204	116	6
10.01 & above	-	-	-	-	-	-	-	-	-
all	718	27	203	-	51	1000	582	873	45
vegetables									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	188	-	-	-	812	1000	5	41	2
00.21 - 00.50	409	53	-	13	524	1000	27	175	12
00.51 - 01.00	452	-	-	-	548	1000	76	218	12
01.01 - 02.00	922	-	54	-	24	1000	68	207	12
02.01 - 04.00	401	-	342	-	257	1000	42	115	8
04.01 - 10.00	482	-	395	-	123	1000	165	172	11
10.01 & above	-	-	-	-	1000	1000	20	10	1
all	509	4	207	1	280	1000	403	938	58
fodder									
nil (<0.01)	1000	-	-	-	-	1000	24	46	3
00.01 - 00.20	502	471	28	-	-	1000	50	131	6
00.21 - 00.50	705	97	9	-	189	1000	112	562	30
00.51 - 01.00	663	163	-	-	174	1000	323	1155	65
01.01 - 02.00	567	125	87	-	220	1000	783	2079	118
02.01 - 04.00	645	69	110	1	174	1000	999	1857	106
04.01 - 10.00	499	85	334	11	72	1000	2155	1961	115
10.01 & above	709	30	261	-	-	1000	1224	536	35
all	595	84	215	4	102	1000	5670	8326	478

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Rajasthan

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
other cash crops									
nil (< 0.01)	1000	-	-	-	-	1000	23	31	2
00.01 - 00.20	669	253	79	-	-	1000	265	139	6
00.21 - 00.50	630	-	-	-	370	1000	58	234	14
00.51 - 01.00	604	104	20	29	242	1000	236	526	27
01.01 - 02.00	643	95	101	-	161	1000	985	1401	72
02.01 - 04.00	828	52	47	-	73	1000	2436	1837	105
04.01 - 10.00	591	63	311	10	26	1000	4880	1849	107
10.01 & above	460	19	444	71	6	1000	3382	536	35
all	609	55	266	24	46	1000	12265	6552	368
others									
nil (< 0.01)	745	84	-	-	171	1000	47	64	4
00.01 - 00.20	86	-	716	-	198	1000	66	124	6
00.21 - 00.50	501	164	-	-	334	1000	115	429	21
00.51 - 01.00	668	121	28	-	184	1000	192	609	32
01.01 - 02.00	717	32	117	24	109	1000	434	768	43
02.01 - 04.00	699	90	130	-	80	1000	859	754	43
04.01 - 10.00	733	3	220	19	24	1000	2353	1107	61
10.01 & above	876	-	68	-	55	1000	572	211	12
all	726	31	167	12	64	1000	4638	4067	222

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Sikkim

size-class of ownership holding (ha)	mode of use of tractor for tilling				not used	all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor					estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	-	-	-	-	1000	1000	5	10	13
00.01 - 00.20	-	-	-	-	1000	1000	3	13	14
00.21 - 00.50	-	51	-	-	949	1000	8	45	52
00.51 - 01.00	-	-	-	-	1000	1000	14	46	52
01.01 - 02.00	-	-	-	-	1000	1000	18	37	42
02.01 - 04.00	-	-	-	-	1000	1000	13	15	18
04.01 - 10.00	-	-	-	-	1000	1000	1	2	2
10.01 & above	-	-	-	-	1000	1000	2	1	1
all	-	6	-	-	994	1000	63	168	194
wheat									
nil (<0.01)	-	-	-	-	1000	1000	0	2	2
00.01 - 00.20	-	-	-	-	1000	1000	0	4	4
00.21 - 00.50	-	77	-	-	923	1000	2	14	15
00.51 - 01.00	-	-	-	-	1000	1000	2	10	11
01.01 - 02.00	-	-	-	-	1000	1000	2	8	9
02.01 - 04.00	-	-	-	-	1000	1000	1	4	5
04.01 - 10.00	-	-	-	-	1000	1000	0	1	1
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	19	-	-	981	1000	8	42	47
other cereals									
nil (<0.01)	-	-	-	-	1000	1000	15	56	62
00.01 - 00.20	-	-	-	-	1000	1000	11	85	98
00.21 - 00.50	-	-	-	-	1000	1000	35	169	205
00.51 - 01.00	-	-	-	-	1000	1000	41	119	131
01.01 - 02.00	-	-	-	-	1000	1000	46	77	85
02.01 - 04.00	-	-	-	-	1000	1000	30	30	34
04.01 - 10.00	-	-	-	-	1000	1000	8	3	4
10.01 & above	-	-	-	-	1000	1000	2	1	1
all	-	-	-	-	1000	1000	189	540	620

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Sikkim

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
pulses									
nil (<0.01)	-	-	-	-	1000	1000	1	7	9
00.01 - 00.20	-	-	-	-	1000	1000	0	1	2
00.21 - 00.50	-	-	-	-	1000	1000	1	14	18
00.51 - 01.00	-	-	-	-	1000	1000	3	20	22
01.01 - 02.00	-	-	-	-	1000	1000	3	19	20
02.01 - 04.00	-	-	-	-	1000	1000	1	3	3
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	10	65	74
vegetables									
nil (<0.01)	-	-	-	-	1000	1000	5	53	67
00.01 - 00.20	-	-	-	-	1000	1000	5	87	102
00.21 - 00.50	-	-	-	-	1000	1000	12	160	193
00.51 - 01.00	-	-	-	-	1000	1000	11	115	126
01.01 - 02.00	-	-	-	-	1000	1000	20	78	83
02.01 - 04.00	-	-	-	-	1000	1000	11	31	34
04.01 - 10.00	-	-	-	-	1000	1000	2	3	4
10.01 & above	-	-	-	-	1000	1000	0	1	1
all	-	-	-	-	1000	1000	66	528	610
fodder									
nil (<0.01)	-	-	-	-	1000	1000	0	4	6
00.01 - 00.20	-	-	-	-	1000	1000	0	4	5
00.21 - 00.50	-	-	-	-	1000	1000	2	23	29
00.51 - 01.00	-	-	-	-	1000	1000	3	29	32
01.01 - 02.00	-	-	-	-	1000	1000	3	23	25
02.01 - 04.00	-	-	-	-	1000	1000	3	10	10
04.01 - 10.00	-	-	-	-	1000	1000	0	1	1
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	11	93	108

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Sikkim

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
fruits & nuts									
nil (<0.01)	-	-	-	-	1000	1000	0	4	5
00.01 - 00.20	-	-	-	-	1000	1000	0	5	7
00.21 - 00.50	-	-	-	-	1000	1000	0	4	5
00.51 - 01.00	-	-	-	-	1000	1000	1	6	7
01.01 - 02.00	-	-	-	-	1000	1000	1	6	7
02.01 - 04.00	-	-	-	-	1000	1000	2	3	3
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	5	30	34
other cash crops									
nil (<0.01)	-	-	-	-	1000	1000	4	26	29
00.01 - 00.20	-	-	-	-	1000	1000	2	18	21
00.21 - 00.50	-	29	-	-	971	1000	9	75	84
00.51 - 01.00	-	-	-	-	1000	1000	15	73	77
01.01 - 02.00	-	-	-	-	1000	1000	19	54	59
02.01 - 04.00	-	-	-	-	1000	1000	27	30	31
04.01 - 10.00	-	-	-	-	1000	1000	2	3	4
10.01 & above	-	-	-	-	1000	1000	1	1	1
all	-	3	-	-	997	1000	78	280	306

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Tamil Nadu

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	387	131	82	-	400	1000	155	329	20
00.01 - 00.20	423	52	61	17	448	1000	285	1587	88
00.21 - 00.50	377	135	45	12	428	1000	1457	4518	264
00.51 - 01.00	443	107	30	12	408	1000	2143	3534	201
01.01 - 02.00	494	114	79	27	286	1000	2579	2596	144
02.01 - 04.00	613	24	200	17	147	1000	1704	1221	66
04.01 - 10.00	396	50	396	44	114	1000	1267	408	18
10.01 & above	-	-	1000	-	-	1000	120	25	2
all	463	88	137	21	291	1000	9711	14219	803
Paddy(*rabi*)									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	323	21	-	-	656	1000	144	829	52
00.21 - 00.50	316	47	20	-	617	1000	886	2845	165
00.51 - 01.00	257	81	-	6	656	1000	1692	2867	150
01.01 - 02.00	348	109	53	25	465	1000	1457	1555	82
02.01 - 04.00	281	84	93	6	536	1000	939	676	34
04.01 - 10.00	422	-	578	-	-	1000	743	276	10
10.01 & above	-	-	-	-	-	-	-	-	-
all	315	72	104	9	500	1000	5861	9048	493
other cereals									
nil (<0.01)	1000	-	-	-	-	1000	3	15	1
00.01 - 00.20	239	27	-	-	734	1000	42	308	19
00.21 - 00.50	388	37	29	1	545	1000	589	1830	107
00.51 - 01.00	395	77	4	14	509	1000	1018	1903	102
01.01 - 02.00	388	149	20	-	442	1000	1489	1822	97
02.01 - 04.00	725	6	-	5	265	1000	1208	842	40
04.01 - 10.00	633	-	367	-	-	1000	967	310	17
10.01 & above	-	-	-	-	-	-	-	-	-
all	510	62	76	4	348	1000	5316	7029	383

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Tamil Nadu

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
pulses									
nil (<0.01)	49	-	-	-	951	1000	36	74	4
00.01 - 00.20	317	-	-	-	683	1000	43	244	14
00.21 - 00.50	247	119	13	11	611	1000	241	748	46
00.51 - 01.00	208	44	-	-	748	1000	360	600	36
01.01 - 02.00	218	156	39	23	564	1000	529	558	32
02.01 - 04.00	382	25	-	-	593	1000	291	273	16
04.01 - 10.00	220	-	82	-	698	1000	400	204	8
10.01 & above	-	-	1000	-	-	1000	20	2	1
all	242	70	40	8	640	1000	1920	2704	157
oil seeds									
nil (<0.01)	338	256	-	-	406	1000	38	88	5
00.01 - 00.20	256	33	-	-	711	1000	61	354	19
00.21 - 00.50	217	50	-	-	733	1000	221	784	48
00.51 - 01.00	356	244	42	-	358	1000	484	853	52
01.01 - 02.00	341	144	11	-	504	1000	506	813	51
02.01 - 04.00	511	57	104	41	287	1000	676	589	28
04.01 - 10.00	577	193	109	-	122	1000	301	201	7
10.01 & above	-	-	413	587	-	1000	127	25	2
all	390	129	75	42	364	1000	2413	3706	212
mixed crop									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	3	193	11
00.21 - 00.50	320	141	-	-	539	1000	34	145	8
00.51 - 01.00	759	115	-	-	126	1000	43	138	7
01.01 - 02.00	799	56	10	-	134	1000	344	308	17
02.01 - 04.00	181	-	-	-	819	1000	106	62	5
04.01 - 10.00	-	-	-	-	1000	1000	65	16	1
10.01 & above	-	-	-	-	-	-	-	-	-
all	567	49	6	-	378	1000	596	863	49

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Tamil Nadu

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
sugar cane									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	15	62	3
00.21 - 00.50	186	28	49	4	732	1000	154	495	23
00.51 - 01.00	431	146	28	-	394	1000	266	528	29
01.01 - 02.00	257	81	21	-	642	1000	385	496	23
02.01 - 04.00	333	30	195	25	418	1000	493	456	20
04.01 - 10.00	94	-	821	85	-	1000	406	153	4
10.01 & above	-	-	-	-	-	-	-	-	-
all	259	52	263	27	399	1000	1720	2190	102
vegetables									
nil (< 0.01)	-	-	1000	-	-	1000	8	41	2
00.01 - 00.20	-	72	-	-	928	1000	13	205	12
00.21 - 00.50	338	45	-	-	618	1000	124	520	30
00.51 - 01.00	426	85	-	-	488	1000	192	580	29
01.01 - 02.00	317	106	35	-	541	1000	298	561	29
02.01 - 04.00	340	-	-	-	660	1000	220	303	15
04.01 - 10.00	326	-	674	-	-	1000	24	38	2
10.01 & above	724	-	-	-	276	1000	67	47	2
all	369	58	37	-	536	1000	947	2296	121
fodder									
nil (< 0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	614	-	-	-	386	1000	8	56	4
00.21 - 00.50	102	70	-	-	829	1000	55	324	18
00.51 - 01.00	464	109	-	-	427	1000	97	389	21
01.01 - 02.00	660	68	58	-	215	1000	210	423	22
02.01 - 04.00	499	140	-	-	361	1000	42	118	8
04.01 - 10.00	1000	-	-	-	-	1000	0	1	1
10.01 & above	1000	-	-	-	-	1000	48	24	1
all	572	75	26	-	327	1000	462	1335	75

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Tamil Nadu

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
fruits & nuts									
nil (<0.01)	-	-	-	-	1000	1000	15	243	14
00.01 - 00.20	-	-	-	-	1000	1000	17	693	42
00.21 - 00.50	170	-	-	-	830	1000	240	881	57
00.51 - 01.00	209	15	-	-	776	1000	447	938	52
01.01 - 02.00	150	58	-	-	792	1000	367	561	29
02.01 - 04.00	247	-	72	-	681	1000	254	229	12
04.01 - 10.00	137	-	-	-	863	1000	264	72	4
10.01 & above	1000	-	-	-	-	1000	193	24	1
all	268	16	10	-	707	1000	1796	3642	211
other cash crops									
nil (<0.01)	-	-	944	-	56	1000	13	40	2
00.01 - 00.20	166	64	136	-	635	1000	42	309	18
00.21 - 00.50	350	25	116	30	478	1000	343	1102	64
00.51 - 01.00	342	60	147	-	451	1000	734	1470	82
01.01 - 02.00	318	107	153	59	364	1000	954	1166	67
02.01 - 04.00	301	14	123	20	543	1000	755	629	33
04.01 - 10.00	346	486	49	-	120	1000	337	255	10
10.01 & above	-	-	-	-	-	-	-	-	-
all	323	104	132	26	415	1000	3178	4970	276
others									
nil (<0.01)	-	475	263	-	261	1000	31	73	4
00.01 - 00.20	119	-	-	-	881	1000	13	296	19
00.21 - 00.50	158	24	23	-	795	1000	93	276	16
00.51 - 01.00	253	-	-	-	747	1000	222	461	22
01.01 - 02.00	332	22	-	-	646	1000	165	239	13
02.01 - 04.00	327	-	285	23	365	1000	262	161	9
04.01 - 10.00	687	-	-	-	313	1000	42	56	3
10.01 & above	-	-	1000	-	-	1000	27	2	1
all	282	24	131	7	555	1000	855	1563	87

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Tripura

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	-	-	-	284	716	1000	14	28	5
00.01 - 00.20	355	23	23	25	574	1000	30	249	51
00.21 - 00.50	338	49	25	-	587	1000	141	545	114
00.51 - 01.00	305	25	94	-	575	1000	276	515	107
01.01 - 02.00	276	105	-	-	619	1000	198	197	36
02.01 - 04.00	205	-	329	-	466	1000	80	61	14
04.01 - 10.00	-	-	-	-	1000	1000	26	8	2
10.01 & above	-	-	-	-	-	-	-	-	-
all	280	46	74	6	594	1000	766	1602	329
Paddy(*rabi*)									
nil (<0.01)	-	-	-	-	1000	1000	0	15	3
00.01 - 00.20	113	-	13	-	873	1000	12	62	14
00.21 - 00.50	242	69	30	54	606	1000	134	423	86
00.51 - 01.00	181	71	23	80	645	1000	143	291	61
01.01 - 02.00	208	135	-	13	644	1000	69	91	20
02.01 - 04.00	51	-	510	-	439	1000	43	62	14
04.01 - 10.00	-	-	-	-	1000	1000	3	3	1
10.01 & above	-	-	-	-	-	-	-	-	-
all	188	71	73	48	619	1000	404	948	199
vegetables									
nil (<0.01)	-	-	-	1000	-	1000	1	5	1
00.01 - 00.20	15	-	-	-	985	1000	20	231	59
00.21 - 00.50	143	-	-	5	852	1000	35	268	60
00.51 - 01.00	228	11	68	-	694	1000	58	263	57
01.01 - 02.00	283	57	-	-	660	1000	29	87	18
02.01 - 04.00	62	75	692	-	171	1000	21	37	8
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	172	24	113	6	686	1000	163	891	203

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Uttar Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	502	30	-	-	468	1000	150	275	11
00.01 - 00.20	512	83	20	1	384	1000	2674	20971	974
00.21 - 00.50	575	96	9	2	317	1000	8912	36921	1463
00.51 - 01.00	515	140	38	3	303	1000	13499	28650	1176
01.01 - 02.00	531	129	59	4	278	1000	15365	20063	806
02.01 - 04.00	468	156	200	1	176	1000	11778	8681	380
04.01 - 10.00	272	92	482	26	128	1000	6754	2778	123
10.01 & above	409	-	591	-	-	1000	1008	240	11
all	490	123	129	5	253	1000	60141	118579	4944
Paddy(*rabi*)									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	682	24	-	-	294	1000	45	503	28
00.21 - 00.50	555	19	-	-	426	1000	184	792	34
00.51 - 01.00	398	325	-	-	277	1000	231	525	24
01.01 - 02.00	683	2	27	-	288	1000	319	436	16
02.01 - 04.00	491	184	144	-	181	1000	297	198	8
04.01 - 10.00	-	-	1000	-	-	1000	329	73	3
10.01 & above	-	-	-	-	-	-	-	-	-
all	419	96	271	-	214	1000	1405	2527	113
wheat									
nil (<0.01)	673	57	-	-	270	1000	354	498	22
00.01 - 00.20	544	94	12	1	349	1000	3407	26262	1233
00.21 - 00.50	617	78	13	2	290	1000	12226	47255	1927
00.51 - 01.00	578	106	34	2	280	1000	19350	38459	1584
01.01 - 02.00	568	111	65	3	252	1000	23413	28076	1145
02.01 - 04.00	542	119	175	2	162	1000	20404	13553	584
04.01 - 10.00	315	102	452	25	107	1000	13696	4867	219
10.01 & above	240	-	760	-	-	1000	1761	349	17
all	528	103	143	5	221	1000	94610	159319	6731

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Uttar Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
other cereals									
nil (<0.01)	1000	-	-	-	-	1000	123	213	10
00.01 - 00.20	565	25	-	1	409	1000	738	7472	340
00.21 - 00.50	568	33	23	1	375	1000	3213	18714	606
00.51 - 01.00	605	50	14	0	330	1000	4988	14818	567
01.01 - 02.00	607	55	48	5	285	1000	6599	11736	442
02.01 - 04.00	606	63	127	5	199	1000	6240	5883	245
04.01 - 10.00	309	51	496	-	143	1000	4374	2130	97
10.01 & above	559	-	441	-	-	1000	573	285	13
all	553	51	137	3	257	1000	26849	61251	2320
pulses									
nil (<0.01)	931	-	-	-	69	1000	143	101	6
00.01 - 00.20	345	29	0	0	626	1000	460	4694	205
00.21 - 00.50	419	36	10	2	533	1000	1597	17189	547
00.51 - 01.00	476	70	33	1	421	1000	2954	16035	630
01.01 - 02.00	490	79	58	2	370	1000	4154	12397	492
02.01 - 04.00	377	93	200	13	317	1000	3980	6295	271
04.01 - 10.00	232	142	368	36	221	1000	4569	3086	141
10.01 & above	199	-	801	-	-	1000	885	287	14
all	381	87	189	12	331	1000	18741	60084	2306
oil seeds									
nil (<0.01)	765	-	-	-	235	1000	66	156	7
00.01 - 00.20	383	56	-	-	561	1000	76	1531	44
00.21 - 00.50	406	34	18	-	543	1000	567	9192	167
00.51 - 01.00	483	60	36	3	418	1000	1120	6978	228
01.01 - 02.00	544	59	63	-	335	1000	2285	6492	223
02.01 - 04.00	577	76	163	5	179	1000	2131	3480	151
04.01 - 10.00	313	49	531	8	99	1000	1612	1552	70
10.01 & above	20	-	980	-	-	1000	318	129	7
all	469	57	209	3	262	1000	8174	29509	8970

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Uttar Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
mixed crop									
nil (<0.01)	827	-	-	-	173	1000	36	101	5
00.01 - 00.20	590	37	-	-	373	1000	122	1571	70
00.21 - 00.50	472	75	-	2	451	1000	403	2478	113
00.51 - 01.00	670	68	5	8	249	1000	951	3179	131
01.01 - 02.00	525	44	14	4	413	1000	1328	2807	124
02.01 - 04.00	403	122	93	46	338	1000	1214	1609	73
04.01 - 10.00	199	261	301	35	204	1000	932	619	29
10.01 & above	-	-	1000	-	-	1000	94	53	3
all	453	108	100	20	319	1000	5079	12416	548
sugar cane									
nil (<0.01)	486	514	-	-	-	1000	20	55	2
00.01 - 00.20	437	133	-	-	430	1000	64	723	38
00.21 - 00.50	485	102	15	2	396	1000	758	5669	263
00.51 - 01.00	532	109	62	10	286	1000	1975	8789	377
01.01 - 02.00	515	126	143	9	206	1000	3812	8413	361
02.01 - 04.00	411	142	254	13	180	1000	4418	5041	218
04.01 - 10.00	147	111	648	55	39	1000	3369	2006	86
10.01 & above	746	-	181	-	73	1000	391	113	6
all	407	121	274	20	178	1000	14807	30809	1351
vegetables									
nil (<0.01)	887	-	-	64	49	1000	39	87	5
00.01 - 00.20	431	34	10	2	523	1000	280	3771	185
00.21 - 00.50	594	41	1	1	363	1000	718	6594	319
00.51 - 01.00	532	47	18	7	396	1000	1156	7233	335
01.01 - 02.00	485	33	61	1	419	1000	1362	5106	231
02.01 - 04.00	542	30	244	5	178	1000	1251	2492	116
04.01 - 10.00	123	13	718	-	146	1000	743	796	37
10.01 & above	-	-	1000	-	-	1000	27	37	2
all	471	33	175	4	317	1000	5576	26116	1230

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Uttar Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
fodder									
nil (<0.01)	863	-	-	-	137	1000	8	74	5
00.01 - 00.20	707	20	-	1	272	1000	169	2311	113
00.21 - 00.50	713	27	33	11	217	1000	887	7690	349
00.51 - 01.00	644	49	52	1	254	1000	1801	11558	472
01.01 - 02.00	582	67	85	1	266	1000	2715	10463	426
02.01 - 04.00	549	51	244	5	152	1000	2639	6231	257
04.01 - 10.00	268	55	561	34	81	1000	1227	2021	89
10.01 & above	579	-	421	-	-	1000	288	165	8
all	559	51	185	7	197	1000	9734	40513	1719
fruits & nuts									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	370	115	-	-	515	1000	36	254	10
00.21 - 00.50	387	143	-	-	470	1000	91	496	23
00.51 - 01.00	244	172	54	4	525	1000	179	688	31
01.01 - 02.00	462	-	16	26	496	1000	191	597	24
02.01 - 04.00	147	-	345	-	508	1000	162	331	15
04.01 - 10.00	391	-	174	-	435	1000	195	137	6
10.01 & above	254	-	-	-	746	1000	35	62	2
all	325	54	115	7	499	1000	890	2565	111
other cash crops									
nil (<0.01)	1000	-	-	-	-	1000	1	18	1
00.01 - 00.20	532	16	330	-	123	1000	118	521	25
00.21 - 00.50	761	50	8	-	181	1000	229	1152	46
00.51 - 01.00	566	114	26	6	288	1000	479	1630	69
01.01 - 02.00	403	256	73	-	268	1000	696	1572	59
02.01 - 04.00	412	269	224	-	95	1000	489	684	27
04.01 - 10.00	292	117	129	-	462	1000	410	306	14
10.01 & above	582	-	418	-	-	1000	207	69	3
all	468	162	135	1	234	1000	2629	5952	244

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

Uttar Pradesh

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
others									
nil (<0.01)	73	-	-	927	-	1000	3	37	2
00.01 - 00.20	694	75	5	-	226	1000	36	567	28
00.21 - 00.50	672	11	67	-	250	1000	197	962	41
00.51 - 01.00	514	90	86	3	308	1000	383	1490	65
01.01 - 02.00	372	152	182	-	294	1000	456	1363	59
02.01 - 04.00	338	131	358	-	173	1000	465	885	37
04.01 - 10.00	11	-	989	-	-	1000	183	219	9
10.01 & above	-	-	-	-	-	-	-	-	-
all	397	98	277	2	226	1000	1721	5523	241

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

West Bengal

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
				Paddy(*kharif*)					
nil (< 0.01)	547	53	78	-	323	1000	1262	1686	72
00.01 - 00.20	382	54	3	4	557	1000	1525	11922	596
00.21 - 00.50	318	93	1	3	585	1000	5165	17534	868
00.51 - 01.00	259	114	11	13	604	1000	8326	13641	605
01.01 - 02.00	209	185	19	17	570	1000	7167	6338	286
02.01 - 04.00	293	208	36	22	440	1000	4440	2031	91
04.01 - 10.00	77	825	-	-	98	1000	466	142	7
10.01 & above	-	1000	-	-	-	1000	10	24	1
all	279	149	17	12	543	1000	28359	53318	2526
				Paddy(*rabi*)					
nil (< 0.01)	698	-	-	-	302	1000	66	310	14
00.01 - 00.20	516	104	4	0	376	1000	525	4101	195
00.21 - 00.50	422	144	0	16	418	1000	1682	7016	326
00.51 - 01.00	343	157	32	15	453	1000	2408	5010	211
01.01 - 02.00	253	285	51	2	409	1000	1637	2126	94
02.01 - 04.00	267	291	136	73	233	1000	992	791	33
04.01 - 10.00	136	53	327	-	484	1000	189	111	5
10.01 & above	-	-	-	-	-	-	-	-	-
all	341	192	48	18	401	1000	7499	19464	878
				wheat					
nil (< 0.01)	72	545	-	-	383	1000	40	212	11
00.01 - 00.20	209	67	-	-	723	1000	176	1265	64
00.21 - 00.50	207	168	-	8	616	1000	545	2878	136
00.51 - 01.00	113	189	2	15	682	1000	859	3031	130
01.01 - 02.00	96	275	11	43	576	1000	839	2041	89
02.01 - 04.00	373	195	39	17	375	1000	538	682	29
04.01 - 10.00	549	-	-	-	451	1000	65	40	2
10.01 & above	-	1000	-	-	-	1000	5	24	1
all	185	205	11	20	580	1000	3067	10173	462

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

West Bengal

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
other cereals									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	234	-	-	-	766	1000	24	446	21
00.21 - 00.50	419	-	-	-	581	1000	51	292	16
00.51 - 01.00	74	41	-	-	885	1000	77	284	12
01.01 - 02.00	-	-	-	-	1000	1000	33	100	4
02.01 - 04.00	-	828	-	-	172	1000	72	105	4
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	127	243	-	-	630	1000	257	1227	57
pulses									
nil (<0.01)	740	-	-	-	260	1000	9	69	3
00.01 - 00.20	409	80	-	-	511	1000	40	485	23
00.21 - 00.50	317	18	-	7	658	1000	126	914	49
00.51 - 01.00	218	59	-	36	687	1000	189	956	38
01.01 - 02.00	66	124	-	65	746	1000	167	622	25
02.01 - 04.00	69	85	30	77	739	1000	79	230	10
04.01 - 10.00	-	1000	-	-	-	1000	70	21	1
10.01 & above	-	-	-	-	-	-	-	-	-
all	177	168	4	36	615	1000	680	3297	149
oil seeds									
nil (<0.01)	-	1000	-	-	-	1000	3	22	1
00.01 - 00.20	480	-	-	-	520	1000	87	915	44
00.21 - 00.50	245	93	-	3	659	1000	320	1940	95
00.51 - 01.00	339	57	3	23	577	1000	630	2535	112
01.01 - 02.00	182	206	14	50	547	1000	434	1334	61
02.01 - 04.00	274	267	4	-	455	1000	244	489	23
04.01 - 10.00	95	-	-	-	905	1000	94	62	3
10.01 & above	-	-	-	-	-	-	-	-	-
all	270	123	5	21	581	1000	1811	7297	339

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

West Bengal

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
mixed crop									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	1000	1000	3	97	5
00.21 - 00.50	-	-	-	-	1000	1000	23	161	10
00.51 - 01.00	-	-	-	-	1000	1000	59	269	10
01.01 - 02.00	-	176	-	-	824	1000	63	154	6
02.01 - 04.00	-	-	-	-	-	-	-	-	-
04.01 - 10.00	-	-	-	-	1000	1000	48	24	1
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	56	-	-	944	1000	195	704	32
sugar cane									
nil (<0.01)	1000	-	-	-	-	1000	3	25	1
00.01 - 00.20	-	-	-	-	1000	1000	2	23	1
00.21 - 00.50	182	-	-	-	818	1000	16	160	7
00.51 - 01.00	-	-	-	-	1000	1000	56	253	11
01.01 - 02.00	-	236	-	-	764	1000	17	83	4
02.01 - 04.00	-	-	-	-	1000	1000	30	63	4
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	51	32	-	-	917	1000	124	607	28
vegetables									
nil (<0.01)	515	90	271	-	124	1000	362	738	28
00.01 - 00.20	313	63	15	9	599	1000	308	3464	162
00.21 - 00.50	387	63	-	-	550	1000	601	4296	211
00.51 - 01.00	335	106	0	6	552	1000	1189	5011	221
01.01 - 02.00	253	155	20	39	533	1000	848	2603	113
02.01 - 04.00	151	54	16	161	617	1000	414	1085	46
04.01 - 10.00	-	889	-	-	111	1000	142	36	2
10.01 & above	-	1000	-	-	-	1000	64	24	1
all	303	143	32	28	494	1000	3929	17256	784

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

West Bengal

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
fruits & nuts									
nil (<0.01)	834	-	-	-	166	1000	48	104	3
00.01 - 00.20	436	-	58	-	505	1000	33	413	20
00.21 - 00.50	939	-	-	-	61	1000	44	216	11
00.51 - 01.00	710	-	-	-	290	1000	16	171	6
01.01 - 02.00	519	196	-	-	284	1000	51	252	10
02.01 - 04.00	183	667	-	-	149	1000	60	97	4
04.01 - 10.00	-	-	-	-	-	-	-	-	-
10.01 & above	-	-	-	-	-	-	-	-	-
all	573	199	8	-	221	1000	252	1254	54
other cash crops									
nil (<0.01)	-	-	-	-	1000	1000	2	21	1
00.01 - 00.20	269	92	-	-	639	1000	138	1402	71
00.21 - 00.50	124	176	-	4	697	1000	592	3449	170
00.51 - 01.00	127	145	4	12	712	1000	1375	4130	174
01.01 - 02.00	83	185	15	-	717	1000	963	1924	81
02.01 - 04.00	158	204	-	17	621	1000	533	557	23
04.01 - 10.00	133	520	-	-	348	1000	194	130	6
10.01 & above	-	1000	-	-	-	1000	5	24	1
all	125	186	5	7	676	1000	3802	11638	527
others									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	520	-	-	-	480	1000	52	555	26
00.21 - 00.50	255	91	-	-	654	1000	154	769	39
00.51 - 01.00	273	-	-	69	658	1000	257	576	22
01.01 - 02.00	106	378	-	-	515	1000	260	406	17
02.01 - 04.00	330	-	-	-	670	1000	22	72	4
04.01 - 10.00	-	-	-	1000	-	1000	25	25	1
10.01 & above	-	-	-	-	-	-	-	-	-
all	222	146	-	55	576	1000	769	2403	109

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

A. & N. Islands

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Paddy(*kharif*)									
nil (<0.01)	-	-	-	-	1000	1000	28	18	15
00.01 - 00.20	-	-	-	-	1000	1000	0	1	1
00.21 - 00.50	-	-	-	-	1000	1000	1	4	4
00.51 - 01.00	152	50	-	-	798	1000	7	12	11
01.01 - 02.00	208	125	-	-	667	1000	17	15	15
02.01 - 04.00	125	272	-	35	568	1000	40	20	20
04.01 - 10.00	299	-	-	-	701	1000	15	6	5
10.01 & above	-	-	-	-	-	-	-	-	-
all	130	124	-	13	734	1000	109	76	71
pulses									
nil (<0.01)	-	-	-	-	-	-	-	-	-
00.01 - 00.20	-	-	-	-	-	-	-	-	-
00.21 - 00.50	-	-	-	-	1000	1000	1	3	3
00.51 - 01.00	-	-	-	-	1000	1000	1	8	6
01.01 - 02.00	-	-	-	-	1000	1000	2	6	7
02.01 - 04.00	-	-	-	-	1000	1000	7	12	11
04.01 - 10.00	-	-	-	-	1000	1000	2	3	2
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	-	1000	1000	12	32	29
vegetables									
nil (<0.01)	-	-	-	-	1000	1000	10	21	14
00.01 - 00.20	-	-	-	-	1000	1000	0	8	7
00.21 - 00.50	-	-	-	-	1000	1000	0	2	3
00.51 - 01.00	-	-	-	-	1000	1000	1	6	7
01.01 - 02.00	-	-	-	-	1000	1000	3	9	7
02.01 - 04.00	-	-	-	41	959	1000	2	5	4
04.01 - 10.00	-	-	-	-	1000	1000	1	3	3
10.01 & above	-	-	-	-	-	-	-	-	-
all	-	-	-	4	996	1000	17	54	45

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

India

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
				Paddy(*kharif*)					
nil (<0.01)	299	68	52	4	577	1000	4764	7446	542
00.01 - 00.20	296	94	19	10	580	1000	9408	66554	3780
00.21 - 00.50	286	95	20	4	595	1000	36752	123865	7021
00.51 - 01.00	240	103	22	9	625	1000	64934	113655	6397
01.01 - 02.00	235	105	39	11	610	1000	89015	90706	5282
02.01 - 04.00	216s	116	106	16	547	1000	79079	46559	2930
04.01 - 10.00	166	109	281	21	423	1000	50053	16667	1107
10.01 & above	84	30	622	37	227	1000	14066	2092	133
all	223	103	107	14	553	1000	348071	467544	27192
				Paddy(*rabi*)					
nil (<0.01)	593	-	25	-	383	1000	452	839	88
00.01 - 00.20	476	99	12	1	411	1000	1137	8094	465
00.21 - 00.50	384	100	11	9	496	1000	4565	16699	1000
00.51 - 01.00	285	119	23	15	559	1000	8223	15559	943
01.01 - 02.00	323	130	44	12	492	1000	8965	10515	700
02.01 - 04.00	294	159	85	32	430	1000	7758	5468	515
04.01 - 10.00	185	160	414	59	181	1000	4897	2057	121
10.01 & above	65	-	679	197	59	1000	288	117	7
all	303	130	97	24	445	1000	36284	59349	3839
				wheat					
nil (<0.01)	423	105	122	-	350	1000	1522	2735	156
00.01 - 00.20	458	124	19	11	388	1000	6437	44720	2483
00.21 - 00.50	492	101	20	4	383	1000	23488	85062	4513
00.51 - 01.00	452	118	35	5	390	1000	39873	78670	4112
01.01 - 02.00	445	126	67	6	357	1000	62563	73999	3905
02.01 - 04.00	389	125	168	12	306	1000	69354	47764	2568
04.01 - 10.00	295	95	353	22	234	1000	64309	23752	1287
10.01 & above	141	26	766	11	56	1000	21795	3504	213
all	380	108	198	11	302	1000	289342	360207	19237

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

India

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
other cereals									
nil (<0.01)	357	56	18	-	569	1000	1563	2753	243
00.01 - 00.20	341	91	5	1	562	1000	2274	19642	1377
00.21 - 00.50	367	64	20	4	545	1000	12754	53201	3173
00.51 - 01.00	298	74	15	4	609	1000	24388	56247	3281
01.01 - 02.00	304	62	31	4	599	1000	46312	63774	3573
02.01 - 04.00	314	78	69	8	530	1000	58100	45200	2673
04.01 - 10.00	310	91	132	23	444	1000	60621	25511	1407
10.01 & above	313	90	308	42	248	1000	23833	4610	255
all	313	78	93	14	502	1000	229847	270936	15982
pulses									
nil (<0.01)	344	131	92	-	433	1000	722	1339	137
00.01 - 00.20	305	23	53	0	619	1000	1144	9974	577
00.21 - 00.50	236	43	43	5	673	1000	5112	35334	1663
00.51 - 01.00	240	53	21	6	680	1000	11456	44279	2224
01.01 - 02.00	243	71	24	8	655	1000	22181	49252	2542
02.01 - 04.00	246	72	73	11	598	1000	27889	35452	1885
04.01 - 10.00	254	106	145	31	464	1000	32576	19339	1040
10.01 & above	309	113	382	30	165	1000	12611	3283	181
all	255	83	112	17	534	1000	113692	198251	10249
oil seeds									
nil (<0.01)	474	37	102	-	387	1000	656	782	67
00.01 - 00.20	406	136	2	1	455	1000	889	7572	424
00.21 - 00.50	307	58	16	3	616	1000	3996	23235	1082
00.51 - 01.00	365	90	19	5	521	1000	9775	29166	1488
01.01 - 02.00	322	79	31	5	563	1000	23051	36266	1829
02.01 - 04.00	321	96	86	7	490	1000	32551	29203	1505
04.01 - 10.00	306	92	175	10	416	1000	38901	17724	914
10.01 & above	183	73	537	62	145	1000	17743	3129	176
all	302	87	158	15	438	1000	127563	147076	7485

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

India

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
mixed crop									
nil (<0.01)	123	-	-	-	877	1000	242	647	108
00.01 - 00.20	226	25	-	4	745	1000	426	4590	400
00.21 - 00.50	188	102	0	18	692	1000	1741	7738	487
00.51 - 01.00	297	52	11	7	633	1000	4540	11095	678
01.01 - 02.00	333	42	18	16	591	1000	9010	12719	820
02.01 - 04.00	322	78	51	6	544	1000	11551	9332	660
04.01 - 10.00	382	73	107	13	424	1000	16697	6589	498
10.01 & above	538	41	268	-	152	1000	5100	937	57
all	358	63	80	10	488	1000	49306	53648	3708
sugar cane									
nil (<0.01)	625	190	-	-	185	1000	54	176	17
00.01 - 00.20	391	89	-	-	521	1000	177	1669	98
00.21 - 00.50	439	110	17	2	431	1000	1449	8460	407
00.51 - 01.00	457	127	50	6	359	1000	3425	12719	580
01.01 - 02.00	417	125	114	9	335	1000	6918	13668	633
02.01 - 04.00	383	94	244	15	264	1000	8429	9194	446
04.01 - 10.00	155	77	577	34	158	1000	7271	4394	211
10.01 & above	360	17	478	-	145	1000	1338	431	27
all	345	98	271	16	270	1000	29062	50712	2419
vegetables									
nil (<0.01)	296	59	135	6	504	1000	842	3269	419
00.01 - 00.20	180	36	9	6	769	1000	1312	21488	1802
00.21 - 00.50	278	50	6	7	659	1000	3196	25787	2292
00.51 - 01.00	240	69	21	7	662	1000	5939	30332	2399
01.01 - 02.00	221	72	43	11	653	1000	7355	26046	2062
02.01 - 04.00	227	28	93	23	629	1000	5950	14286	1326
04.01 - 10.00	142	57	280	49	473	1000	3776	4792	443
10.01 & above	86	46	475	-	392	1000	1475	782	51
all	216	55	97	16	616	1000	29845	126783	10794

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

India

size-class of ownership holding (ha)	mode of use of tractor for tilling						estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used	all		estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
fodder									
nil (<0.01)	624	73	91	-	212	1000	170	406	32
00.01 - 00.20	625	111	9	0	254	1000	448	3842	261
00.21 - 00.50	608	38	41	8	305	1000	1885	13309	873
00.51 - 01.00	597	67	48	2	286	1000	3754	18862	1070
01.01 - 02.00	534	73	97	2	294	1000	6916	22033	1259
02.01 - 04.00	436	66	227	18	254	1000	7888	16466	946
04.01 - 10.00	328	60	423	18	171	1000	7925	9893	579
10.01 & above	452	20	458	5	65	1000	3147	1876	122
all	464	60	234	11	230	1000	32133	86687	5142
fruits & nuts									
nil (<0.01)	426	-	-	-	574	1000	93	491	46
00.01 - 00.20	49	6	3	-	942	1000	660	15550	1011
00.21 - 00.50	102	15	14	1	868	1000	1263	7284	579
00.51 - 01.00	81	37	10	2	870	1000	2047	6824	539
01.01 - 02.00	131	30	44	16	779	1000	2395	5315	440
02.01 - 04.00	107	108	87	6	692	1000	2247	2613	223
04.01 - 10.00	119	36	240	94	510	1000	2263	1252	71
10.01 & above	366	-	197	0	437	1000	1181	394	19
all	134	41	92	22	711	1000	12150	39723	2928
other cash crops									
nil (<0.01)	275	96	413	-	217	1000	260	452	69
00.01 - 00.20	390	80	36	1	493	1000	1917	12100	754
00.21 - 00.50	242	71	32	17	639	1000	3538	14125	893
00.51 - 01.00	208	101	30	8	654	1000	7801	18614	1063
01.01 - 02.00	245	78	55	9	612	1000	15948	21696	1206
02.01 - 04.00	289	84	84	9	534	1000	20863	16710	905
04.01 - 10.00	300	90	201	11	397	1000	29021	11851	668
10.01 & above	215	36	405	22	321	1000	13610	2399	142
all	268	79	156	12	486	1000	92959	97948	5700

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 5.1: Cropwise per 1000 distribution of area under five major crops* by mode of use of tractor, separately for different size-classes of household ownership holding

India

size-class of ownership holding (ha)	mode of use of tractor for tilling					all	estd. area (00ha)	no. of hhs. reporting cultivation of a crop in the crop-group	
	by hired tractor		by other tractor		not used			estd. (00)	sample
	entirely	partly	entirely	partly					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
				others					
nil (<0.01)	338	119	52	16	476	1000	159	473	80
00.01 - 00.20	245	9	169	-	576	1000	330	5842	424
00.21 - 00.50	322	110	16	0	552	1000	956	5160	381
00.51 - 01.00	290	33	25	8	644	1000	2306	6972	525
01.01 - 02.00	253	110	125	11	501	1000	3369	6676	480
02.01 - 04.00	250	78	111	5	555	1000	4449	4981	355
04.01 - 10.00	456	48	221	15	260	1000	4725	2833	226
10.01 & above	373	4	345	-	278	1000	1420	563	35
all	325	65	146	9	455	1000	17715	33501	2506

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 6 : Cropwise break-up of average area under five major crops* sown by a field-crop cultivator household, by size-class of household ownership holding

size-class of Ownership holding (ha)	average area sown (ha) by crops									no. of field-crop cultivator hhs.	
	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh											
nil (<0.01)	0.45	0.20	-	0.30	0.10	0.16	0.01	0.14	1.36	816	35
00.01 - 00.20	0.12	0.05	0.00	0.03	0.01	0.02	-	0.03	0.25	4366	203
00.21 - 00.50	0.21	0.05	-	0.04	0.05	0.05	0.00	0.08	0.49	12989	627
00.51 - 01.00	0.34	0.10	0.00	0.09	0.07	0.09	0.00	0.16	0.87	12848	596
01.01 - 02.00	0.56	0.18	0.01	0.19	0.14	0.21	0.02	0.32	1.63	10837	499
02.01 - 04.00	0.76	0.27	0.01	0.29	0.22	0.41	0.03	0.73	2.72	7035	347
04.01 - 10.00	1.30	0.54	0.03	0.56	0.55	0.91	0.06	1.53	5.53	3455	164
10.01 & above	2.63	0.20	-	1.18	0.70	5.43	-	3.40	13.54	495	25
all	0.48	0.15	0.01	0.16	0.13	0.25	0.01	0.36	1.56	52840	2496
Arunachal Pradesh											
nil (< 0.01)	0.13	0.39	-	0.00	0.01	0.00	-	0.15	0.70	203	70
00.01 - 00.20	0.02	0.03	-	0.01	0.00	-	-	0.06	0.12	79	34
00.21 - 00.50	0.15	0.00	0.00	0.02	0.00	0.00	0.00	0.09	0.32	190	81
00.51 - 01.00	0.24	0.01	0.03	0.08	0.01	0.00	-	0.15	0.53	221	108
01.01 - 02.00	0.57	0.06	0.02	0.08	0.01	0.01	0.00	0.25	0.98	292	125
02.01 - 04.00	0.95	0.15	0.13	0.17	0.06	0.02	-	0.37	1.86	165	90
04.01 - 10.00	0.92	-	0.02	0.25	0.05	0.01	-	0.50	1.75	161	86
10.01 & above	3.98	-	-	0.60	0.15	0.02	-	0.86	5.60	11	8
all	0.47	0.10	0.03	0.09	0.02	0.01	0.00	0.23	0.96	1321	602
Assam											
nil (<0.01)	0.16	0.07	0.01	0.00	-	0.00	-	0.13	0.37	552	63
00.01 - 00.20	0.04	0.01	0.01	0.00	0.00	0.00	-	0.07	0.13	3132	307
00.21 - 00.50	0.20	0.05	0.02	0.00	0.01	0.01	0.00	0.11	0.41	4041	432
00.51 - 01.00	0.51	0.13	0.03	0.01	0.03	0.03	0.00	0.16	0.90	6940	603
01.01 - 02.00	1.04	0.20	0.03	0.02	0.05	0.03	0.00	0.24	1.59	6968	582
02.01 - 04.00	1.86	0.46	0.11	0.04	0.15	0.05	0.01	0.42	3.10	2536	205
04.01 - 10.00	3.69	0.43	0.52	0.08	0.33	0.07	-	0.95	6.09	520	42
10.01 & above	-	-	-	-	-	-	-	-	-	-	-
all	0.75	0.16	0.04	0.01	0.05	0.02	0.00	0.21	1.24	24689	2234

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 6 : Cropwise break-up of average area under five major crops* sown by a field-crop cultivator household, by size-class of household ownership holding

size-class of Ownership holding (ha)	average area sown (ha) by crops									no. of field-crop cultivator hhs.	
	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Bihar											
nil (<0.01)	0.56	-	0.14	0.17	0.03	0.00	-	0.10	1.00	3743	197
00.01 - 00.20	0.10	0.00	0.07	0.02	0.01	0.00	0.00	0.01	0.22	19828	1015
00.21 - 00.50	0.30	0.01	0.19	0.04	0.03	0.01	0.00	0.04	0.61	23571	1234
00.51 - 01.00	0.60	0.02	0.35	0.08	0.08	0.01	0.00	0.07	1.21	20184	976
01.01 - 02.00	1.04	0.02	0.61	0.14	0.17	0.03	0.00	0.10	2.13	15932	781
02.01 - 04.00	2.01	0.05	1.22	0.24	0.29	0.08	0.01	0.23	4.13	6811	331
04.01 - 10.00	3.51	0.06	2.24	0.37	0.61	0.22	0.02	0.46	7.49	2313	111
10.01 & above	12.68	-	9.74	1.33	3.19	1.34	0.06	0.97	29.32	278	14
all	0.70	0.01	0.43	0.09	0.10	0.03	0.00	0.08	1.45	92660	4659
Gujarat											
nil (<0.01)	0.21	-	-	0.07	-	-	0.12	0.36	0.75	151	5
00.01 - 00.20	0.05	0.00	0.03	0.08	0.00	0.00	0.00	0.21	0.38	1224	68
00.21 - 00.50	0.09	0.01	0.11	0.19	0.03	0.04	0.02	0.10	0.58	7372	382
00.51 - 01.00	0.18	0.02	0.19	0.34	0.07	0.08	0.04	0.16	1.09	5864	287
01.01 - 02.00	0.16	0.02	0.32	0.53	0.12	0.26	0.06	0.40	1.87	6566	338
02.01 - 04.00	0.27	0.04	0.44	0.77	0.27	0.62	0.15	0.94	3.47	5532	282
04.01 - 10.00	0.35	-	0.62	0.91	0.21	1.58	0.29	2.43	6.40	3742	200
10.01 & above	-	-	0.59	2.56	0.16	3.01	0.92	6.05	13.29	529	30
all	0.18	0.02	0.30	0.51	0.12	0.43	0.10	0.71	2.38	30981	1592
Haryana											
nil (<0.01)	0.74	-	1.33	-	-	-	0.17	0.22	2.45	109	5
00.01 - 00.20	0.40	-	1.01	0.12	0.03	0.09	0.23	0.51	2.38	573	27
00.21 - 00.50	0.17	-	0.40	0.12	0.03	0.06	0.13	0.13	1.05	1851	90
00.51 - 01.00	0.23	-	0.61	0.19	0.05	0.09	0.21	0.21	1.58	1839	85
01.01 - 02.00	0.43	0.02	0.96	0.27	0.15	0.21	0.27	0.29	2.61	2973	138
02.01 - 04.00	0.81	0.04	1.74	0.42	0.27	0.27	0.41	0.50	4.46	2362	116
04.01 - 10.00	1.54	-	2.92	0.61	0.41	0.70	0.68	1.01	7.87	1613	77
10.01 & above	5.88	-	8.13	1.26	0.41	0.67	1.00	2.82	20.17	229	13
all	0.70	0.02	1.39	0.32	0.17	0.25	0.34	0.46	3.64	11548	551

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 6 : Cropwise break-up of average area under five major crops* sown by a field-crop cultivator household, by size-class of household ownership holding

size-class of Ownership holding (ha)	average area sown (ha) by crops									no. of field-crop cultivator hhs.	
	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Himachal Pradesh											
nil (<0.01)	0.00	-	0.34	0.34	-	0.01	-	0.07	0.75	45	8
00.01 - 00.20	0.03	0.00	0.09	0.08	0.00	0.00	0.00	0.01	0.21	1691	322
00.21 - 00.50	0.06	0.00	0.23	0.19	0.01	0.01	0.01	0.05	0.55	2939	550
00.51 - 01.00	0.07	0.00	0.44	0.34	0.02	0.01	0.01	0.12	1.01	2208	404
01.01 - 02.00	0.14	0.00	0.72	0.55	0.04	0.02	0.03	0.27	1.76	1277	241
02.01 - 04.00	0.15	-	1.21	0.94	0.03	0.02	0.03	0.44	2.83	522	99
04.01 - 10.00	0.17	-	1.95	1.87	0.17	0.08	0.12	0.64	4.99	108	22
10.01 & above	0.21	-	1.17	1.23	0.01	0.19	-	0.33	3.14	35	7
all	0.07	0.00	0.41	0.33	0.02	0.01	0.01	0.12	0.97	8825	1653
Jammu & Kashmir											
nil (<0.01)	0.12	-	0.11	0.05	0.04	0.01	-	0.12	0.45	11	4
00.01 - 00.20	0.07	0.00	0.02	0.02	0.00	0.02	0.01	0.07	0.22	1039	218
00.21 - 00.50	0.20	0.00	0.07	0.05	0.00	0.10	0.02	0.07	0.52	2807	578
00.51 - 01.00	0.28	0.01	0.25	0.15	0.02	0.09	0.05	0.23	1.09	1978	392
01.01 - 02.00	0.54	0.02	0.66	0.30	0.07	0.08	0.09	0.26	2.03	997	242
02.01 - 04.00	0.96	0.02	1.48	0.55	0.16	0.18	0.15	0.28	3.79	353	84
04.01 - 10.00	2.31	-	2.51	0.75	0.18	0.18	0.40	0.59	6.92	51	17
10.01 & above	-	-	-	-	-	-	-	-	-	-	-
all	0.30	0.01	0.28	0.14	0.03	0.09	0.05	0.16	1.04	7236	1535
Karnataka											
nil (<0.01)	0.00	-	-	0.27	-	0.27	-	0.13	0.67	146	7
00.01 - 00.20	0.03	0.01	0.00	0.06	0.01	0.01	-	0.04	0.16	2826	137
00.21 - 00.50	0.06	0.01	0.01	0.18	0.06	0.03	0.00	0.08	0.43	6735	322
00.51 - 01.00	0.14	0.02	0.01	0.32	0.11	0.08	0.00	0.21	0.89	10269	445
01.01 - 02.00	0.25	0.03	0.02	0.55	0.20	0.23	0.01	0.38	1.67	12321	522
02.01 - 04.00	0.32	0.07	0.05	1.19	0.37	0.42	0.01	0.64	3.08	7165	308
04.01 - 10.00	0.33	0.13	0.10	2.35	0.73	1.02	0.04	1.16	5.87	4250	184
10.01 & above	0.84	-	0.39	6.20	2.15	3.50	0.14	2.64	15.85	656	28
all	0.21	0.04	0.03	0.77	0.25	0.31	0.01	0.42	2.04	44369	1953

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Kerala											
nil (<0.01)	-	-	-	-	-	-	-	0.02	0.02	75	4
00.01 - 00.20	0.00	0.00	-	0.00	0.00	0.00	0.00	0.05	0.06	22100	1401
00.21 - 00.50	0.04	0.02	0.00	0.02	-	0.02	-	0.21	0.30	6402	419
00.51 - 01.00	0.11	0.05	-	0.01	-	0.03	0.00	0.43	0.62	3374	201
01.01 - 02.00	0.10	0.05	-	0.00	0.01	0.04	0.00	0.85	1.05	1976	116
02.01 - 04.00	0.40	0.18	-	0.05	0.01	0.10	-	1.34	2.08	485	29
04.01 - 10.00	0.76	0.14	-	-	-	0.56	-	3.17	4.63	170	10
10.01 & above	5.37	-	-	-	-	0.11	-	5.88	11.36	32	2
all	0.04	0.01	0.00	0.01	0.00	0.01	0.00	0.20	0.28	34615	2182
Madhya Pradesh											
nil (<0.01)	0.51	-	0.28	0.15	0.30	0.30	0.02	0.25	1.82	421	21
00.01 - 00.20	0.10	0.00	0.04	0.01	0.02	0.02	0.00	0.02	0.21	2467	139
00.21 - 00.50	0.21	0.01	0.13	0.03	0.03	0.06	0.00	0.03	0.51	9680	539
00.51 - 01.00	0.36	0.01	0.27	0.08	0.10	0.16	0.00	0.08	1.06	15036	774
01.01 - 02.00	0.58	0.01	0.52	0.17	0.20	0.33	0.01	0.16	1.98	21560	1108
02.01 - 04.00	0.88	0.02	0.87	0.38	0.36	0.64	0.02	0.34	3.52	18818	954
04.01 - 10.00	1.36	0.04	2.11	0.87	0.96	1.59	0.05	0.77	7.75	8158	434
10.01 & above	2.22	0.06	4.97	2.19	2.25	5.92	0.18	1.50	19.29	1028	62
all	0.65	0.02	0.72	0.28	0.30	0.54	0.02	0.25	2.77	77168	4031
Maharashtra											
nil (<0.01)	0.17	-	-	0.66	0.05	-	-	0.11	0.98	178	7
00.01 - 00.20	0.07	0.00	0.01	0.03	0.00	0.01	0.00	0.09	0.21	3913	188
00.21 - 00.50	0.16	0.00	0.01	0.12	0.02	0.01	0.01	0.06	0.40	8349	399
00.51 - 01.00	0.18	0.01	0.05	0.31	0.05	0.04	0.01	0.18	0.83	12111	559
01.01 - 02.00	0.19	0.01	0.10	0.59	0.14	0.08	0.01	0.40	1.53	15774	739
02.01 - 04.00	0.26	0.00	0.19	1.10	0.29	0.16	0.03	0.67	2.71	11295	527
04.01 - 10.00	0.30	-	0.41	1.95	0.60	0.41	0.02	1.74	5.42	6238	287
10.01 & above	0.27	-	0.95	4.37	1.20	0.74	0.15	4.95	12.64	883	40
all	0.20	0.00	0.14	0.73	0.19	0.12	0.02	0.55	1.94	58740	2746

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Manipur											
nil (<0.01)	0.38	0.46	-	0.02	0.03	0.02	-	0.22	1.13	198	80
00.01 - 00.20	0.02	0.01	-	0.00	0.00	-	-	0.05	0.08	189	57
00.21 - 00.50	0.20	0.07	-	0.00	0.00	0.00	0.00	0.05	0.33	483	174
00.51 - 01.00	0.49	0.10	-	0.00	0.01	0.00	0.00	0.07	0.68	832	256
01.01 - 02.00	0.86	0.16	0.00	0.02	0.02	-	-	0.10	1.17	353	140
02.01 - 04.00	1.62	0.30	-	0.00	0.05	-	-	0.19	2.16	76	34
04.01 - 10.00	2.39	-	-	-	-	-	-	0.40	2.79	10	6
10.01 & above	-	-	-	-	-	-	-	-	-	-	-
all	0.48	0.13	0.00	0.01	0.01	0.00	0.00	0.09	0.73	2139	747
Meghalaya											
nil (<0.01)	0.07	-	-	-	-	-	-	0.06	0.13	17	6
00.01 - 00.20	0.09	-	0.00	0.01	0.00	-	-	0.16	0.27	385	121
00.21 - 00.50	0.12	0.01	0.00	0.03	0.00	-	-	0.23	0.39	782	210
00.51 - 01.00	0.32	0.06	0.00	0.03	0.00	0.00	0.00	0.40	0.83	796	225
01.01 - 02.00	0.51	0.02	-	0.08	0.00	0.00	-	0.66	1.28	605	193
02.01 - 04.00	0.90	0.03	0.00	0.12	-	-	0.00	1.15	2.21	425	136
04.01 - 10.00	2.61	0.06	-	0.19	-	-	-	1.39	4.25	92	29
10.01 & above	-	-	-	-	-	-	-	-	-	-	-
all	0.42	0.03	0.00	0.05	0.00	0.00	0.00	0.51	1.02	3103	920
Mizoram											
nil (<0.01)	0.25	0.02	-	-	0.03	-	0.00	0.41	0.72	104	72
00.01 - 00.20	0.34	0.07	-	0.02	0.02	-	0.00	0.29	0.74	339	263
00.21 - 00.50	0.39	0.01	-	0.01	0.01	0.00	-	0.29	0.72	43	45
00.51 - 01.00	0.26	0.04	-	0.02	0.03	0.00	0.00	0.52	0.88	55	47
01.01 - 02.00	0.44	0.01	-	0.01	0.02	0.00	-	0.61	1.08	66	54
02.01 - 04.00	0.88	0.02	-	0.02	0.12	-	-	0.73	1.77	14	16
04.01 - 10.00	1.73	-	-	-	-	-	-	0.27	2.00	3	3
10.01 & above	-	-	-	-	-	-	-	-	-	-	-
all	0.35	0.05	-	0.01	0.03	0.00	0.00	0.38	0.81	624	500

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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size-class of Ownership holding (ha)	average area sown (ha) by crops									no. of field-crop cultivator hhs.	
	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Nagaland											
nil (<0.01)	0.73	0.49	-	0.16	0.01	0.09	0.02	0.12	1.63	16	13
00.01 - 00.20	0.04	0.00	-	0.03	0.00	0.01	-	0.03	0.12	24	20
00.21 - 00.50	0.11	0.02	-	0.02	0.00	0.00	0.00	0.11	0.27	37	47
00.51 - 01.00	0.31	0.11	0.03	0.10	0.02	0.01	0.00	0.22	0.80	77	71
01.01 - 02.00	0.67	0.38	0.01	0.15	0.02	0.03	0.00	0.33	1.59	190	177
02.01 - 04.00	1.06	0.69	0.00	0.25	0.03	0.01	0.02	0.41	2.47	329	356
04.01 - 10.00	3.29	0.36	0.02	0.26	0.22	-	0.01	2.75	7.00	127	136
10.01 & above	5.95	-	-	0.75	0.20	-	-	4.85	11.75	7	8
all	1.21	0.45	0.01	0.20	0.06	0.01	0.01	0.75	2.71	807	828
Orissa											
nil (<0.01)	0.24	0.01	-	0.01	0.01	0.04	-	0.01	0.32	198	20
00.01 - 00.20	0.16	0.01	-	0.01	0.01	0.00	-	0.01	0.19	5949	326
00.21 - 00.50	0.33	0.02	0.00	0.01	0.03	0.00	-	0.01	0.41	12133	657
00.51 - 01.00	0.67	0.03	0.00	0.02	0.06	0.01	-	0.03	0.82	10803	553
01.01 - 02.00	1.13	0.05	0.00	0.06	0.12	0.03	0.00	0.05	1.44	7280	378
02.01 - 04.00	2.19	0.09	-	0.06	0.30	0.01	-	0.05	2.70	2881	146
04.01 - 10.00	4.69	0.27	0.02	0.17	0.69	0.06	-	0.01	5.90	609	32
10.01 & above	9.03	-	-	-	1.11	-	-	1.37	11.50	122	3
all	0.77	0.03	0.00	0.03	0.08	0.01	0.00	0.03	0.96	39975	2115
Punjab											
nil (<0.01)	0.93	-	2.00	-	-	-	0.79	1.38	5.10	50	5
00.01 - 00.20	0.10	0.01	0.19	0.04	-	-	0.12	0.03	0.48	482	47
00.21 - 00.50	0.17	0.00	0.24	0.04	-	0.01	0.20	0.04	0.69	1130	99
00.51 - 01.00	0.53	0.01	0.80	0.10	0.00	0.01	0.35	0.16	1.97	1462	122
01.01 - 02.00	0.83	0.04	1.18	0.04	0.01	0.01	0.38	0.39	2.88	2909	254
02.01 - 04.00	1.70	0.04	2.33	0.08	0.01	0.03	0.54	0.58	5.32	2202	190
04.01 - 10.00	2.94	0.13	4.55	0.14	0.02	0.04	0.84	1.82	10.48	1575	133
10.01 & above	6.00	0.34	11.51	0.05	-	0.01	1.15	5.32	24.38	377	33
all	1.38	0.06	2.13	0.07	0.01	0.02	0.48	0.75	4.90	10188	883

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 6 : Cropwise break-up of average area under five major crops* sown by a field-crop cultivator household, by size-class of household ownership holding

size-class of Ownership holding (ha)	average area sown (ha) by crops									no. of field-crop cultivator hhs.	
	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Rajasthan											
nil (<0.01)	-	-	0.58	0.95	0.62	0.76	0.08	0.23	3.22	306	19
00.01 - 00.20	0.00	-	0.18	0.12	0.07	0.13	0.02	0.18	0.70	2073	110
00.21 - 00.50	0.02	0.00	0.24	0.29	0.03	0.04	0.01	0.06	0.70	7782	415
00.51 - 01.00	0.03	0.00	0.29	0.39	0.08	0.12	0.04	0.14	1.11	8603	445
01.01 - 02.00	0.03	0.00	0.48	0.71	0.15	0.27	0.07	0.30	2.01	11017	583
02.01 - 04.00	0.03	0.01	0.83	1.27	0.40	0.49	0.10	0.67	3.79	9684	539
04.01 - 10.00	0.03	0.01	1.29	2.29	0.94	0.77	0.27	1.59	7.19	7914	451
10.01 & above	-	-	2.27	5.18	2.68	1.71	0.61	3.55	16.00	2009	124
All	0.03	0.01	0.67	1.11	0.40	0.39	0.11	0.64	3.35	49388	2686
Sikkim											
nil (<0.01)	0.09	-	0.00	0.25	0.02	0.01	0.01	0.16	0.53	60	76
00.01 - 00.20	0.03	0.00	0.00	0.11	0.00	0.00	0.00	0.08	0.23	95	111
00.21 - 00.50	0.04	0.01	0.01	0.19	0.01	0.01	0.01	0.12	0.40	180	216
00.51 - 01.00	0.11	-	0.01	0.34	0.03	0.01	0.02	0.23	0.74	123	136
01.01 - 02.00	0.21	-	0.02	0.54	0.04	0.00	0.04	0.48	1.34	85	92
02.01 - 04.00	0.35	-	0.04	0.79	0.03	-	0.08	1.04	2.33	38	42
04.01 - 10.00	0.21	-	0.05	2.42	-	-	0.01	1.19	3.89	3	4
10.01 & above	2.03	-	-	1.86	-	-	-	1.22	5.11	1	1
All	0.11	0.00	0.01	0.32	0.02	0.01	0.02	0.26	0.75	586	678
Tamil Nadu											
nil (<0.01)	0.22	-	-	0.00	0.05	0.05	-	0.10	0.42	707	41
00.01 - 00.20	0.07	0.03	0.00	0.01	0.01	0.01	0.00	0.02	0.16	4184	247
00.21 - 00.50	0.14	0.08	0.00	0.06	0.02	0.02	0.01	0.09	0.43	10470	610
00.51 - 01.00	0.24	0.19	0.00	0.11	0.04	0.05	0.01	0.21	0.86	8949	487
01.01 - 02.00	0.43	0.24	0.00	0.25	0.09	0.08	0.04	0.42	1.55	5976	321
02.01 - 04.00	0.63	0.35	0.02	0.45	0.11	0.25	0.02	0.78	2.61	2684	136
04.01 - 10.00	1.31	0.77	-	1.00	0.41	0.31	0.00	1.18	4.99	966	42
10.01 & above	2.44	-	-	-	0.42	2.57	0.98	5.81	12.22	49	3
All	0.29	0.17	0.00	0.16	0.06	0.07	0.01	0.27	1.03	33985	1887

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Tripura											
nil (<0.01)	0.33	0.00	-	-	-	-	-	0.02	0.35	43	8
00.01 - 00.20	0.06	0.02	0.00	0.00	-	-	-	0.04	0.13	490	110
00.21 - 00.50	0.16	0.15	0.01	-	-	-	-	0.04	0.35	910	187
00.51 - 01.00	0.42	0.22	0.04	-	-	-	-	0.11	0.79	652	134
01.01 - 02.00	0.92	0.32	0.07	-	-	-	-	0.16	1.48	215	40
02.01 - 04.00	1.13	0.61	0.03	-	-	-	-	0.29	2.06	71	16
04.01 - 10.00	3.25	0.41	-	-	-	-	-	0.37	4.04	8	2
10.01 & above	-	-	-	-	-	-	-	-	-	-	-
all	0.32	0.17	0.02	0.00	-	-	-	0.08	0.59	2389	497
Uttar Pradesh											
nil (<0.01)	0.25	-	0.59	0.21	0.24	0.11	0.01	0.16	1.57	599	29
00.01 - 00.20	0.09	0.00	0.11	0.02	0.02	0.00	0.01	0.02	0.27	30448	1426
00.21 - 00.50	0.18	0.00	0.24	0.06	0.03	0.01	0.02	0.05	0.59	50848	2087
00.51 - 01.00	0.33	0.01	0.48	0.12	0.07	0.03	0.04	0.13	1.22	40361	1665
01.01 - 02.00	0.52	0.01	0.79	0.22	0.14	0.08	0.09	0.27	2.12	29586	1205
02.01 - 04.00	0.84	0.02	1.45	0.44	0.28	0.15	0.19	0.57	3.95	14076	606
04.01 - 10.00	1.34	0.07	2.71	0.87	0.90	0.32	0.24	1.16	7.60	5049	226
10.01 & above	2.55	-	4.45	1.45	2.24	0.80	0.73	1.90	14.11	396	19
all	0.35	0.01	0.55	0.16	0.11	0.05	0.06	0.18	1.46	171362	7263
West Bengal											
nil (<0.01)	0.64	0.03	0.02	-	0.00	0.00	-	0.21	0.91	1976	87
00.01 - 00.20	0.10	0.03	0.01	0.00	0.00	0.01	0.00	0.04	0.19	15261	758
00.21 - 00.50	0.26	0.09	0.03	0.00	0.01	0.02	0.00	0.07	0.47	19727	972
00.51 - 01.00	0.57	0.16	0.06	0.01	0.01	0.04	-	0.20	1.05	14715	650
01.01 - 02.00	1.06	0.24	0.12	0.00	0.02	0.06	-	0.33	1.86	6730	302
02.01 - 04.00	2.05	0.46	0.25	0.03	0.04	0.11	-	0.49	3.43	2164	97
04.01 - 10.00	2.44	0.99	0.34	-	0.37	0.49	-	2.14	6.78	191	9
10.01 & above	0.40	-	0.20	-	-	-	-	2.86	3.46	24	1
all	0.47	0.12	0.05	0.00	0.01	0.03	0.00	0.15	0.84	60788	2876

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
A. & N. Islands											
nil (<0.01)	0.85	-	-	-	-	-	-	0.30	1.15	33	25
00.01 - 00.20	0.00	-	-	-	-	-	-	0.02	0.02	9	8
00.21 - 00.50	0.20	-	-	-	0.12	-	-	0.04	0.36	5	7
00.51 - 01.00	0.43	-	-	-	0.06	-	-	0.07	0.57	17	16
01.01 - 02.00	0.81	0.01	-	-	0.08	-	-	0.13	1.03	22	21
02.01 - 04.00	1.96	-	-	-	0.32	-	-	0.07	2.35	20	20
04.01 - 10.00	2.55	-	-	-	0.30	-	-	0.16	3.02	6	5
10.01 & above	-	-	-	-	-	-	-	-	-	-	-
all	0.97	0.00	-	-	0.10	-	-	0.15	1.22	113	102
India											
nil (<0.01)	0.44	0.04	0.14	0.14	0.07	0.06	0.02	0.15	1.06	10806	914
00.01 - 00.20	0.08	0.01	0.05	0.02	0.01	0.01	0.00	0.04	0.22	123414	7726
00.21 - 00.50	0.19	0.02	0.12	0.07	0.03	0.02	0.01	0.06	0.53	191767	11440
00.51 - 01.00	0.36	0.05	0.22	0.14	0.06	0.05	0.02	0.14	1.04	180495	10274
01.01 - 02.00	0.55	0.06	0.38	0.28	0.14	0.14	0.04	0.28	1.87	162612	9215
02.01 - 04.00	0.81	0.08	0.71	0.59	0.29	0.33	0.08	0.55	3.44	97772	5712
04.01 - 10.00	1.06	0.10	1.36	1.28	0.69	0.82	0.17	1.35	6.82	47354	2716
10.01 & above	1.96	0.04	3.04	3.32	1.76	2.48	0.44	3.37	16.41	7168	422
all	0.42	0.04	0.35	0.28	0.14	0.16	0.04	0.28	1.72	821388	48419

* *Note*

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Table 7 : Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

crop group	use of improved seeds										no. of hhs. using improved seeds	
	certified seeds		uncertified seeds		home-grown seeds		other improved seeds		not used	all		
	entirely	partly	entirely	partly	entirely	partly	entirely	partly			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Andhra Pradesh												
Paddy(kharif)	307	48	126	32	167	73	30	2	214	1000	22383	1046
Paddy(rabi)	409	11	82	7	101	41	70	-	279	1000	5778	242
wheat	507	-	45	-	107	1	-	-	340	1000	181	10
other cereals	270	19	94	31	129	145	2	1	310	1000	7525	381
pulses	324	32	88	40	165	48	13	-	290	1000	5859	277
oil seeds	154	82	100	5	31	12	15	-	600	1000	4878	246
mixed crop	70	226	4	18	23	3	-	-	656	1000	1163	50
sugar cane	264	0	123	38	128	3	116	0	327	1000	1493	71
vegetables	345	64	142	45	33	37	12	-	321	1000	1305	64
fodder	228	-	94	-	9	77	-	54	538	1000	432	19
fruits & nuts	239	44	115	-	23	-	30	19	531	1000	708	32
other cash crops	454	33	123	24	86	19	7	1	254	1000	6827	328
others	260	12	80	6	27	18	41	-	557	1000	874	47
all crops	290	51	102	23	109	51	24	2	347	1000	36800	1756
Arunachal Pradesh												
Paddy(kharif)	3	9	0	6	139	36	0	19	788	1000	205	117
Paddy(rabi)	-	315	-	-	-	46	-	-	639	1000	58	11
wheat	330	-	-	-	601	2	-	-	67	1000	68	34
other cereals	71	-	-	3	187	8	-	8	723	1000	157	86
pulses	38	-	-	-	316	11	69	13	553	1000	94	52
oil seeds	42	-	-	-	-	144	-	-	814	1000	4	2
mixed crop	28	-	-	4	6	4	14	1	944	1000	90	57
sugar cane	-	-	-	-	-	-	-	-	1000	1000	-	-
vegetables	154	10	-	6	36	6	19	158	612	1000	250	127
fodder	-	-	-	-	-	-	-	-	1000	1000	-	-
fruits & nuts	-	9	-	5	-	-	-	49	937	1000	5	5
other cash crops	91	-	-	14	-	4	-	-	892	1000	27	18
others	-	-	-	1	-	-	-	5	994	1000	2	2
all crops	36	37	0	5	114	25	4	23	757	1000	360	187

* *Note*

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2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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crop group	use of improved seeds										no. of hhs. using improved seeds	
	certified seeds		uncertified seeds		home-grown seeds		other improved seeds		not used	all		
	entirely	partly	entirely	partly	entirely	partly	entirely	partly			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Assam												
Paddy(kharif)	66	62	15	77	53	116	6	12	592	1000	7003	585
Paddy(rabi)	8	49	21	33	18	145	84	20	622	1000	1511	139
wheat	172	81	110	333	92	13	-	2	197	1000	1789	167
other cereals	28	29	5	339	62	14	23	-	500	1000	424	39
pulses	46	10	9	159	1	29	-	1	745	1000	907	83
oil seeds	128	110	18	16	33	22	4	4	665	1000	590	47
mixed crop	56	-	-	-	801	87	-	-	57	1000	143	13
sugar cane	456	7	-	-	-	8	-	-	529	1000	217	13
vegetables	120	82	20	108	52	36	9	15	559	1000	6317	567
fodder	133	-	-	-	-	220	-	43	604	1000	44	4
fruits & nuts	67	172	-	6	43	18	-	11	683	1000	157	17
other cash crops	385	68	124	225	4	21	-	48	125	1000	316	32
others	215	56	17	364	120	16	1	8	202	1000	1764	158
all crops	78	61	20	96	49	96	16	12	571	1000	11149	959
Bihar												
Paddy(kharif)	110	48	20	74	95	73	5	8	566	1000	31203	1579
Paddy(rabi)	170	-	59	180	237	56	7	4	285	1000	2221	67
wheat	208	73	36	108	119	58	10	8	380	1000	34054	1723
other cereals	136	31	31	77	102	70	6	10	536	1000	11633	552
pulses	87	32	36	43	83	35	4	6	674	1000	7778	372
oil seeds	141	42	10	72	26	91	2	1	615	1000	2483	130
mixed crop	20	3	10	93	99	100	-	9	666	1000	1026	55
sugar cane	77	1	81	192	167	219	-	2	261	1000	1467	81
vegetables	255	61	36	52	12	52	30	4	498	1000	9073	469
fodder	51	3	8	-	162	19	-	23	733	1000	378	23
fruits & nuts	178	117	-	-	16	90	-	-	599	1000	332	17
other cash crops	425	102	7	26	5	0	6	6	418	1000	1792	77
Others	2	-	317	-	0	-	3	-	678	1000	141	4
all crops	145	52	28	83	99	66	7	8	512	1000	43820	2200

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 7 : Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

crop group	use of improved seeds										no. of hhs. using improved seeds	
	certified seeds		uncertified seeds		home-grown seeds		other improved seeds		not used	all		
	entirely	partly	entirely	partly	entirely	partly	entirely	partly			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Gujarat												
Paddy(kharif)	420	138	22	29	107	50	-	-	234	1000	4932	239
Paddy(rabi)	435	39	128	-	141	29	17	-	210	1000	687	30
wheat	480	156	29	3	84	152	-	-	96	1000	9545	490
other cereals	540	80	28	13	118	77	-	1	144	1000	15905	803
pulses	563	50	3	1	119	78	-	-	186	1000	4813	257
oil seeds	519	30	22	5	54	83	-	-	286	1000	7185	371
mixed crop	861	47	66	2	18	-	-	1	5	1000	2770	137
sugar cane	224	351	11	-	66	-	-	-	349	1000	936	48
vegetables	656	101	17	8	118	14	3	-	82	1000	1764	82
fodder	259	24	36	5	123	49	-	-	505	1000	3840	194
fruits & nuts	364	86	64	-	299	-	9	-	179	1000	312	12
other cash crops	744	18	56	28	36	91	-	12	16	1000	7829	403
others	256	-	15	178	437	12	-	-	102	1000	488	22
all crops	556	74	33	13	82	79	0	2	161	1000	25275	1293
Haryana												
Paddy(kharif)	544	27	147	28	51	71	1	-	132	1000	3504	154
Paddy(rabi)	543	-	166	55	-	-	-	-	237	1000	87	3
wheat	343	18	109	55	148	154	10	0	161	1000	7385	340
other cereals	645	34	41	-	38	60	-	-	182	1000	2797	138
pulses	68	-	6	-	39	156	-	-	726	1000	719	35
oil seeds	562	-	102	-	40	92	7	-	196	1000	2166	112
mixed crop	-	786	-	-	-	214	-	-	-	1000	97	4
sugar cane	187	4	-	3	55	18	27	-	706	1000	355	14
vegetables	543	32	67	15	122	55	-	-	166	1000	627	29
fodder	90	40	144	74	39	79	42	10	481	1000	4227	183
fruits & nuts	-	-	-	-	-	-	-	-	-	-	-	-
other cash crops	450	-	202	177	16	48	-	-	107	1000	1593	66
others	254	30	335	227	31	15	5	-	104	1000	788	34
all crops	389	22	121	53	82	104	9	1	218	1000	9180	424

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 7 : Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

crop group	use of improved seeds										no. of hhs. using improved seeds	
	certified seeds		uncertified seeds		home-grown seeds		other improved seeds		not used	all		
	entirely	partly	entirely	partly	entirely	partly	entirely	partly			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Himachal Pradesh												
Paddy(kharif)	128	18	13	35	112	51	-	2	641	1000	922	161
Paddy(rabi)	313	-	-	-	-	-	-	-	687	1000	15	2
wheat	165	14	10	17	44	73	0	5	671	1000	2611	484
other cereals	123	11	9	15	33	69	1	6	733	1000	2038	381
pulses	100	43	-	22	56	36	-	-	743	1000	224	43
oil seeds	54	3	-	7	8	2	-	6	920	1000	109	20
mixed crop	69	-	-	48	-	-	-	-	883	1000	19	4
sugar cane	-	-	-	-	-	10	-	-	990	1000	6	1
vegetables	422	52	17	27	79	15	-	-	388	1000	939	183
fodder	49	3	30	31	89	61	-	3	734	1000	301	56
fruits & nuts	119	-	-	-	16	9	255	-	601	1000	215	41
other cash crops	306	3	42	-	37	95	-	-	517	1000	484	88
others	127	32	-	19	-	20	-	-	802	1000	130	26
all crops	151	13	10	17	44	64	13	4	683	1000	3385	634
Jammu & Kashmir												
Paddy(kharif)	182	62	1	85	178	168	1	16	308	1000	3270	723
Paddy(rabi)	437	-	-	-	443	43	-	-	77	1000	181	31
wheat	277	70	0	13	189	122	0	51	277	1000	1743	453
other cereals	131	26	-	33	207	93	-	19	492	1000	1048	214
pulses	117	13	-	-	316	134	1	19	399	1000	646	146
oil seeds	32	15	1	63	378	40	1	11	459	1000	1102	230
mixed crop	-	-	16	52	193	712	-	-	28	1000	114	29
sugar cane	251	-	619	-	64	-	-	-	66	1000	32	11
vegetables	47	24	16	27	457	44	0	6	380	1000	1697	375
fodder	186	84	56	53	92	112	7	39	370	1000	1238	335
fruits & nuts	246	34	4	42	246	106	3	6	313	1000	931	163
other cash crops	-	-	-	170	-	453	-	136	240	1000	68	9
others	204	-	-	-	85	286	26	194	205	1000	395	98
all crops	184	49	5	46	221	124	2	29	341	1000	4652	1005

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 7 : Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

crop group	use of improved seeds										no. of hhs. using improved seeds	
	certified seeds		uncertified seeds		home-grown seeds		other improved seeds		not used	all	estd. (00)	sample
	entirely	partly	entirely	partly	entirely	partly	entirely	partly				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Karnataka												
Paddy(kharif)	440	32	19	30	112	57	66	8	235	1000	8164	372
Paddy(rabi)	218	36	12	29	271	101	-	-	333	1000	1271	58
wheat	132	100	-	-	84	89	27	-	569	1000	754	30
other cereals	453	23	29	23	81	60	10	1	319	1000	17306	769
pulses	123	17	23	29	180	131	4	1	493	1000	5657	247
oil seeds	469	21	51	22	49	71	2	-	315	1000	5961	257
mixed crop	352	38	6	2	82	35	3	-	482	1000	2696	124
sugar cane	203	-	44	91	153	83	132	16	278	1000	1868	82
vegetables	639	22	2	33	50	14	20	-	219	1000	2088	96
fodder	213	15	17	-	11	10	65	58	612	1000	383	15
fruits & nuts	80	1	44	21	19	4	13	53	765	1000	752	41
other cash crops	516	40	25	17	57	7	27	7	304	1000	5212	241
others	299	22	-	43	23	6	43	23	540	1000	933	41
all crops	391	26	28	24	92	63	19	4	353	1000	30578	1361
Kerala												
Paddy(kharif)	96	7	31	128	396	89	19	5	230	1000	2264	146
Paddy(rabi)	130	-	70	17	351	96	49	6	281	1000	1285	80
wheat	-	-	1000	-	-	-	-	-	-	1000	18	1
other cereals	55	17	-	9	96	33	22	-	768	1000	390	25
pulses	-	-	-	-	287	-	-	-	713	1000	18	1
oil seeds	0	24	-	29	-	87	1	1	858	1000	780	51
mixed crop	-	4	-	-	28	135	-	1	833	1000	346	25
sugar cane	-	-	-	-	132	18	-	-	850	1000	30	2
vegetables	22	41	20	40	98	238	8	7	527	1000	2436	147
fodder	-	-	-	-	-	-	-	-	1000	1000	-	-
fruits & nuts	34	4	9	18	33	49	13	13	827	1000	2980	186
other cash crops	131	80	6	20	19	59	9	6	671	1000	3593	215
others	0	3	29	4	27	70	58	26	783	1000	1070	69
all crops	86	40	15	34	97	73	15	7	633	1000	8710	546

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 7 : Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

crop group	use of improved seeds										no. of hhs. using improved seeds	
	certified seeds		uncertified seeds		home-grown seeds		other improved seeds		not used	all		
	entirely	partly	entirely	partly	entirely	partly	entirely	partly			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Madhya Pradesh												
Paddy(kharif)	27	7	6	8	95	67	0	3	787	1000	8098	408
Paddy(rabi)	150	36	74	74	292	66	-	-	309	1000	780	40
wheat	128	26	12	39	139	100	8	4	543	1000	16885	915
other cereals	99	18	3	38	157	173	15	7	491	1000	7909	429
pulses	85	14	9	29	85	84	1	1	691	1000	7394	399
oil seeds	200	24	23	45	149	62	9	4	484	1000	12138	674
mixed crop	63	24	5	25	150	20	6	1	706	1000	1726	99
sugar cane	70	56	33	175	129	158	-	4	375	1000	465	24
vegetables	251	28	8	25	42	75	0	2	569	1000	1753	81
fodder	71	1	37	18	15	93	-	28	737	1000	696	39
fruits & nuts	-	-	-	-	712	-	-	-	288	1000	30	2
other cash crops	465	37	14	41	75	141	48	8	172	1000	3630	190
others	148	2	-	37	13	80	5	28	687	1000	462	21
all crops	119	19	12	32	124	88	7	4	596	1000	28336	1519
Maharashtra												
Paddy(kharif)	120	32	2	1	166	58	1	8	613	1000	7045	327
Paddy(rabi)	147	-	-	-	533	126	16	-	179	1000	403	19
wheat	498	16	6	1	67	6	1	-	405	1000	6269	308
other cereals	625	19	11	0	51	6	10	0	277	1000	25886	1205
pulses	379	32	3	1	53	15	13	2	502	1000	7950	375
oil seeds	515	15	4	0	52	-	8	4	402	1000	4257	195
mixed crop	918	6	-	3	3	-	-	-	70	1000	2252	111
sugar cane	408	0	26	-	36	8	10	3	509	1000	1967	94
vegetables	641	14	7	-	105	3	9	-	221	1000	3165	156
fodder	181	2	3	-	238	8	1	-	567	1000	712	30
fruits & nuts	610	71	28	-	20	-	36	-	233	1000	1584	67
other cash crops	870	63	8	2	11	3	3	-	40	1000	13810	626
others	492	24	-	-	-	-	10	-	474	1000	360	17
all crops	575	28	8	1	58	12	7	1	310	1000	41282	1925

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 7 : Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

crop group	use of improved seeds									all	no. of hhs. using improved seeds	
	certified seeds		uncertified seeds		home-grown seeds		other improved seeds		not used		estd. (00)	sample
	entirely	partly	entirely	partly	entirely	partly	entirely	partly				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Manipur												
Paddy(kharif)	324	10	5	14	183	64	45	7	348	1000	870	287
Paddy(rabi)	311	21	25	40	26	242	-	-	336	1000	219	63
wheat	-	-	1000	-	-	-	-	-	-	1000	2	1
other cereals	362	-	-	-	215	3	-	-	420	1000	34	14
pulses	-	-	-	-	75	603	-	-	322	1000	81	25
oil seeds	-	-	-	-	40	-	-	-	960	1000	3	2
mixed crop	102	2	-	9	362	49	1	1	475	1000	374	124
sugar cane	-	-	-	-	-	-	-	-	-	-	-	-
vegetables	90	2	3	7	112	125	1	8	653	1000	471	163
fodder	-	-	-	-	442	-	-	-	558	1000	7	2
fruits & nuts	-	16	-	-	-	403	-	93	488	1000	109	39
other cash crops	217	-	-	-	-	-	-	-	783	1000	7	1
others	-	-	-	-	46	16	-	-	938	1000	45	15
all crops	284	10	8	17	148	106	35	6	385	1000	1199	383
Meghalaya												
Paddy(kharif)	8	-	15	6	534	73	1	4	359	1000	1161	289
Paddy(rabi)	54	-	-	-	499	-	-	-	447	1000	144	44
wheat	441	-	-	-	357	-	-	-	201	1000	14	5
other cereals	-	-	-	-	553	37	-	-	409	1000	348	91
pulses	55	-	-	34	233	73	-	-	605	1000	17	7
oil seeds	-	-	-	-	1000	-	-	-	-	1000	11	3
mixed crop	16	-	-	6	902	51	6	-	17	1000	831	181
sugar cane	-	-	-	-	-	-	-	-	-	-	-	-
vegetables	1	0	3	15	298	73	-	27	582	1000	1142	295
fodder	-	-	-	-	416	-	-	-	584	1000	3	1
fruits & nuts	-	-	-	-	125	298	7	43	527	1000	286	91
other cash crops	41	5	11	-	324	244	-	87	287	1000	201	53
others	-	-	-	-	275	23	-	19	683	1000	153	52
all crops	8	0	7	8	446	87	1	16	426	1000	1805	456

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 7 : Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

crop group	use of improved seeds									all	no. of hhs. using improved seeds	
	certified seeds		uncertified seeds		home-grown seeds		other improved seeds		not used			
	entirely	partly	entirely	partly	entirely	partly	entirely	partly			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Mizoram												
Paddy(kharif)	-	1	20	26	281	11	30	-	631	1000	105	79
Paddy(rabi)	-	-	-	-	-	-	-	-	1000	1000	-	-
wheat	-	-	-	-	-	-	-	-	-	-	-	-
other cereals	-	-	-	19	-	-	-	-	981	1000	1	2
pulses	-	-	-	-	26	-	-	-	974	1000	9	5
oil seeds	-	-	-	-	-	-	-	-	1000	1000	-	-
mixed crop	-	-	-	46	247	17	13	-	677	1000	65	45
sugar cane	-	-	-	-	-	-	-	-	1000	1000	-	-
vegetables	-	-	-	3	61	3	-	0	933	1000	23	17
fodder	-	-	-	53	-	-	-	-	947	1000	0	1
fruits & nuts	-	-	-	12	183	-	-	-	805	1000	13	11
other cash crops	-	-	-	51	50	5	42	-	852	1000	18	15
others	-	-	-	-	27	-	-	-	973	1000	10	6
all crops	-	0	9	26	196	10	18	0	740	1000	163	123
Nagaland												
Paddy(kharif)	-	-	-	1	-	33	-	2	964	1000	13	17
Paddy(rabi)	11	-	-	4	1	5	-	0	979	1000	17	20
wheat	-	-	-	-	-	-	-	-	1000	1000	-	-
other cereals	-	17	-	1	-	81	-	2	900	1000	13	17
pulses	-	-	-	-	-	-	-	-	1000	1000	-	-
oil seeds	-	113	-	-	-	-	-	-	887	1000	1	1
mixed crop	-	1	-	-	-	-	-	5	995	1000	3	3
sugar cane	-	-	-	-	-	-	-	-	-	-	-	-
vegetables	-	1	-	0	-	41	-	0	958	1000	15	19
fodder	-	-	-	5	-	-	-	-	995	1000	1	1
fruits & nuts	-	-	-	-	-	-	-	-	1000	1000	-	-
other cash crops	-	-	-	-	-	-	-	-	1000	1000	-	-
others	-	-	-	-	-	-	-	-	1000	1000	-	-
all crops	2	2	-	1	0	26	-	2	967	1000	37	43

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 7 : Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

crop group	use of improved seeds										no. of hhs. using improved seeds	
	certified seeds		uncertified seeds		home-grown seeds		other improved seeds		not used	all		
	entirely	partly	entirely	partly	entirely	partly	entirely	partly			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Orissa												
Paddy(kharif)	57	43	13	8	169	48	6	17	639	1000	13298	720
Paddy(rabi)	215	7	17	-	192	8	111	3	447	1000	1437	81
wheat	238	-	-	-	299	-	7	-	456	1000	163	7
other cereals	8	-	37	-	330	-	-	-	624	1000	921	51
pulses	125	15	17	2	396	33	4	-	409	1000	3071	171
oil seeds	89	-	-	5	158	69	6	-	673	1000	602	39
mixed crop	-	-	-	-	-	903	-	-	97	1000	29	1
sugar cane	-	-	507	-	5	-	-	-	488	1000	81	4
vegetables	161	26	12	4	199	30	40	6	521	1000	1857	98
fodder	-	-	-	-	-	-	-	-	1000	1000	-	-
fruits & nuts	710	-	-	-	-	-	-	-	290	1000	154	9
other cash crops	804	47	-	-	-	-	43	-	106	1000	280	13
others	-	-	-	-	-	-	-	-	1000	1000	-	-
all crops	76	37	14	7	193	43	10	14	605	1000	15763	854
Punjab												
Paddy(kharif)	456	50	50	22	196	51	76	-	98	1000	5665	486
Paddy(rabi)	129	-	2	-	334	50	-	-	485	1000	170	14
wheat	257	25	39	25	406	68	56	-	125	1000	7491	638
other cereals	397	12	2	4	85	37	8	-	455	1000	464	47
pulses	432	-	-	-	-	-	-	-	568	1000	57	5
oil seeds	337	40	27	-	135	14	175	-	271	1000	348	33
mixed crop	-	-	200	49	128	-	-	-	623	1000	36	3
sugar cane	240	-	56	77	161	17	104	-	345	1000	254	24
vegetables	143	-	142	217	74	407	14	-	3	1000	278	24
fodder	252	8	96	23	157	95	74	8	286	1000	6740	571
fruits & nuts	-	-	-	-	-	1000	-	-	-	1000	32	1
other cash crops	661	20	76	11	25	17	5	-	184	1000	1754	143
others	185	-	-	6	14	-	-	-	794	1000	97	8
all crops	365	29	52	23	257	62	55	1	156	1000	8156	698

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 7 : Cropwise per 1000 distribution of area under five major crops* sown by households by use of improved seeds

crop group	use of improved seeds										no. of hhs. using improved seeds	
	certified seeds		uncertified seeds		home-grown seeds		other improved seeds		not used	all		
	entirely	partly	entirely	partly	entirely	partly	entirely	partly			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Rajasthan												
Paddy(kharif)	2	153	-	73	-	83	-	-	688	1000	536	24
Paddy(rabi)	751	-	76	-	-	28	-	-	145	1000	152	8
wheat	437	40	27	78	104	92	2	2	218	1000	19898	1110
other cereals	322	27	43	58	117	102	2	2	328	1000	22179	1231
pulses	269	41	39	28	141	99	1	3	380	1000	8088	458
oil seeds	425	45	34	52	132	68	2	2	239	1000	11868	661
mixed crop	118	271	8	1	22	106	-	7	467	1000	3788	200
sugar cane	460	38	19	47	13	-	-	-	422	1000	429	23
vegetables	788	34	58	11	57	3	-	-	48	1000	807	52
fodder	203	14	20	22	186	68	3	1	482	1000	3732	223
fruits & nuts	681	-	-	319	-	-	-	-	-	1000	86	5
other cash crops	459	57	27	142	33	66	1	0	215	1000	4377	253
others	175	18	5	54	47	18	17	1	665	1000	1621	94
all crops	336	56	32	58	104	89	2	2	322	1000	32074	1766
Sikkim												
Paddy(kharif)	36	49	17	-	3	18	15	5	857	1000	15	18
Paddy(rabi)	-	-	-	40	-	-	-	-	960	1000	1	1
wheat	80	-	-	24	-	29	44	-	824	1000	7	7
other cereals	3	16	-	3	1	5	-	-	972	1000	11	15
pulses	-	-	-	-	-	-	-	-	1000	1000	-	-
oil seeds	-	-	-	-	-	-	-	-	1000	1000	-	-
mixed crop	-	-	-	-	-	-	-	-	1000	1000	-	-
sugar cane	-	-	-	-	-	-	-	-	1000	1000	-	-
vegetables	1	1	-	1	-	-	-	0	997	1000	2	4
fodder	-	-	-	-	-	-	-	-	1000	1000	-	-
fruits & nuts	-	-	-	-	-	-	-	-	1000	1000	-	-
other cash crops	-	-	-	3	-	-	-	-	997	1000	1	1
others	-	-	-	-	-	-	-	-	1000	1000	-	-
all crops	8	14	2	3	1	5	3	1	963	1000	28	33

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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crop group	use of improved seeds										no. of hhs. using improved seeds	
	certified seeds		uncertified seeds		home-grown seeds		other improved seeds		not used	all		
	entirely	partly	entirely	partly	entirely	partly	entirely	partly			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Tamil Nadu												
Paddy(kharif)	227	23	108	35	253	50	13	8	283	1000	9572	537
Paddy(rabi)	207	21	128	3	304	23	10	-	304	1000	6463	365
wheat	358	-	-	-	532	-	-	-	110	1000	138	8
other cereals	227	24	60	32	253	33	6	8	357	1000	3903	209
pulses	83	-	136	7	429	50	16	6	274	1000	1994	113
oil seeds	381	34	119	11	103	17	17	33	287	1000	2326	134
mixed crop	4	3	20	329	567	9	16	-	51	1000	505	28
sugar cane	145	15	134	3	183	10	-	11	499	1000	1285	63
vegetables	262	63	180	-	125	23	-	2	346	1000	1361	70
fodder	100	31	159	-	47	46	-	-	617	1000	368	20
fruits & nuts	62	27	188	135	52	77	-	-	458	1000	1728	102
other cash crops	269	20	143	55	54	29	127	1	302	1000	3455	185
others	215	12	166	-	221	26	-	2	358	1000	849	44
all crops	213	22	118	34	228	36	20	7	323	1000	22197	1227
Tripura												
Paddy(kharif)	336	-	29	7	202	33	3	-	390	1000	889	165
Paddy(rabi)	260	-	38	4	276	18	24	43	337	1000	626	124
wheat	711	-	35	-	158	8	-	-	89	1000	111	15
other cereals	-	-	-	-	-	-	-	-	1000	1000	-	-
pulses	-	-	-	-	-	-	-	-	-	-	-	-
oil seeds	-	-	-	-	-	-	-	-	-	-	-	-
mixed crop	-	-	-	-	-	-	-	-	1000	1000	-	-
sugar cane	-	-	-	-	-	-	-	-	-	-	-	-
vegetables	396	20	18	12	156	14	16	11	357	1000	503	104
fodder	-	-	-	-	-	-	-	-	-	-	-	-
fruits & nuts	64	-	-	-	-	-	-	-	936	1000	8	2
other cash crops	-	-	-	-	192	-	-	-	808	1000	3	1
others	102	-	-	-	613	-	-	-	285	1000	7	2
all crops	331	2	30	6	214	25	10	14	367	1000	1455	280

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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crop group	use of improved seeds										no. of hhs. using improved seeds	
	certified seeds		uncertified seeds		home-grown seeds		other improved seeds		not used	all		
	entirely	partly	entirely	partly	entirely	partly	entirely	partly			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Uttar Pradesh												
Paddy(kharif)	169	41	18	39	140	89	8	7	489	1000	46501	2085
Paddy(rabi)	118	117	0	143	89	171	-	1	361	1000	1176	51
wheat	212	47	25	37	157	89	4	7	421	1000	72320	3219
other cereals	180	41	19	28	88	80	1	2	561	1000	18235	767
pulses	139	34	12	15	88	46	4	4	658	1000	13143	576
oil seeds	174	32	56	16	135	50	2	1	533	1000	7094	308
mixed crop	90	20	2	16	36	33	0	1	802	1000	2389	105
sugar cane	209	29	32	40	218	97	8	2	365	1000	14489	639
vegetables	222	46	69	41	110	47	5	13	447	1000	10625	469
fodder	143	29	46	49	204	151	2	2	373	1000	17294	730
fruits & nuts	84	91	68	22	126	10	-	-	600	1000	819	37
other cash crops	206	10	13	37	176	44	20	29	466	1000	2929	121
others	91	66	21	55	104	44	9	2	608	1000	1777	80
all crops	185	41	24	35	141	84	5	6	479	1000	78727	3505
West Bengal												
Paddy(kharif)	104	29	109	36	334	101	11	6	270	1000	36866	1718
Paddy(rabi)	190	41	114	39	262	49	8	13	283	1000	13724	612
wheat	263	9	235	17	152	12	8	9	296	1000	7563	338
other cereals	272	84	70	194	37	58	96	-	188	1000	958	41
pulses	287	99	66	22	159	47	2	3	307	1000	1886	87
oil seeds	141	12	240	58	186	32	0	13	311	1000	4922	228
mixed crop	204	-	-	95	23	298	-	-	380	1000	347	15
sugar cane	59	-	83	-	376	-	15	-	468	1000	286	12
vegetables	233	41	181	53	68	78	15	8	321	1000	11777	532
fodder	24	-	-	-	-	-	-	-	976	1000	3	1
fruits & nuts	78	4	41	14	170	89	10	-	559	1000	625	26
other cash crops	580	67	65	31	54	60	10	11	122	1000	9707	438
others	69	-	100	-	4	3	7	-	817	1000	635	33
all crops	176	33	123	37	255	79	10	8	279	1000	44386	2068

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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crop group	use of improved seeds										no. of hhs. using improved seeds	
	certified seeds		uncertified seeds		home-grown seeds		other improved seeds		not used	all		
	entirely	partly	entirely	partly	entirely	partly	entirely	partly			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
A. & N. Islands												
Paddy(kharif)	43	13	39	-	322	23	-	-	560	1000	30	27
Paddy(rabi)	-	-	-	-	-	-	-	-	1000	1000	-	-
wheat	-	-	-	-	-	-	-	-	-	-	-	-
other cereals	-	-	-	-	-	-	-	-	-	-	-	-
pulses	202	-	-	-	-	-	-	-	798	1000	12	10
oil seeds	-	-	-	-	-	-	-	-	-	-	-	-
mixed crop	-	-	-	-	-	-	-	-	-	-	-	-
sugar cane	-	-	-	-	-	-	-	-	-	-	-	-
vegetables	116	-	-	-	649	4	-	-	230	1000	43	31
fodder	-	-	-	-	-	-	-	-	-	-	-	-
fruits & nuts	-	-	-	-	-	-	-	-	-	-	-	-
other cash crops	-	-	-	-	-	-	-	-	-	-	-	-
others	-	-	-	-	-	-	-	-	-	-	-	-
all crops	65	10	30	-	335	19	-	-	540	1000	70	56
India												
Paddy(kharif)	157	39	37	37	146	75	12	7	491	1000	214805	12375
Paddy(rabi)	226	29	76	31	193	61	34	6	344	1000	38469	2118
wheat	248	45	32	50	154	88	10	5	369	1000	189030	10308
other cereals	363	29	28	31	102	77	6	2	362	1000	140124	7520
pulses	191	28	25	24	121	70	4	2	534	1000	70431	3748
oil seeds	314	34	42	30	103	56	7	3	412	1000	68831	3744
mixed crop	255	112	10	16	64	47	2	2	491	1000	20810	1413
sugar cane	232	40	44	41	162	68	23	3	388	1000	25665	1207
vegetables	288	46	60	43	86	51	11	8	407	1000	60351	4268
fodder	175	21	60	33	146	95	19	7	442	1000	40416	2456
fruits & nuts	195	37	64	31	69	45	23	13	523	1000	11901	916
other cash crops	582	43	47	41	42	45	13	5	182	1000	67914	3517
others	189	21	63	69	59	27	15	7	550	1000	12600	873
all crops	265	39	37	37	123	71	10	5	413	1000	449958	25386

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 7.1: Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

size-class of Ownership holding (ha)	percentage of area sown with improved seeds									no. of field-crop cult. hhs.	
	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh											
nil (<0.01)	79.17	78.09	-	94.01	86.11	87.20	-	43.62	79.64	816	35
00.01 - 00.20	68.69	66.40	-	34.38	46.22	46.28	-	45.61	59.19	4366	203
00.21 - 00.50	72.28	73.36	-	67.50	54.92	48.86	80.74	61.59	66.22	12989	627
00.51 - 01.00	76.17	71.99	49.26	80.74	69.32	50.82	41.19	59.69	69.70	12848	596
01.01 - 02.00	75.88	63.96	100.00	72.02	70.49	46.63	27.91	63.29	66.90	10837	499
02.01 - 04.00	81.29	73.51	17.42	73.43	74.11	42.11	61.55	71.93	70.35	7035	347
04.01 - 10.00	84.83	80.60	73.83	63.04	81.07	43.85	39.47	52.02	64.95	3455	164
10.01 & above	83.66	44.57	-	36.14	38.22	18.01	-	33.04	37.55	495	25
all	78.57	72.13	66.01	69.01	70.96	39.95	46.19	59.08	65.26	52840	2496
Arunachal Pradesh											
nil (<0.01)	36.77	57.00	-	7.56	-	-	-	42.25	48.20	203	70
00.01 - 00.20	24.84	-	-	15.72	100.00	-	-	3.01	7.24	79	34
00.21 - 00.50	26.96	-	94.06	37.87	100.00	-	-	16.63	21.72	190	81
00.51 - 01.00	14.54	-	97.35	71.85	91.26	57.45	-	39.60	36.70	221	108
01.01 - 02.00	9.80	-	95.10	16.46	51.65	-	-	7.01	11.16	292	125
02.01 - 04.00	34.49	-	92.56	44.53	67.15	-	-	15.29	33.47	165	90
04.01 - 10.00	24.46	-	85.12	6.39	21.70	52.92	-	4.45	16.93	161	86
10.01 & above	-	-	-	-	-	-	-	7.65	1.17	11	8
all	21.18	36.09	93.33	27.69	44.68	18.65	-	15.50	24.34	1321	602
Assam											
nil (<0.01)	31.07	-	-	-	-	-	-	8.03	16.02	552	63
00.01 - 00.20	53.84	48.52	62.43	3.99	50.24	10.96	-	29.10	40.12	3132	307
00.21 - 00.50	40.86	42.33	59.05	20.22	21.96	37.29	100.00	37.25	39.92	4041	432
00.51 - 01.00	31.13	33.76	58.44	26.50	0.23	28.72	100.00	47.90	34.34	6940	603
01.01 - 02.00	38.07	33.53	78.05	45.48	13.95	27.04	-	49.80	39.08	6968	582
02.01 - 04.00	41.55	44.31	87.82	53.66	28.38	31.27	19.56	58.73	45.19	2536	205
04.01 - 10.00	66.40	47.87	100.00	100.00	75.22	100.00	-	78.46	71.19	520	42
10.01 & above	-	-	-	-	-	-	-	-	-	-	-
all	40.78	37.83	80.33	49.95	25.47	33.50	39.61	51.57	42.90	24689	2234

Table 7.1: Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

size-class of Ownership holding (ha)	percentage of area sown with improved seeds									no. of field-crop cult. hhs.	
	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Bihar											
nil (<0.01)	9.86	-	47.26	1.23	9.78	-	-	5.96	13.25	3743	197
00.01 - 00.20	37.62	77.20	46.77	67.84	15.26	36.51	2.27	42.40	42.70	19828	1015
00.21 - 00.50	39.11	69.29	59.12	51.57	27.52	51.93	30.98	58.69	47.34	23571	1234
00.51 - 01.00	38.24	72.13	55.00	51.27	31.50	29.71	30.34	53.78	44.82	20184	976
01.01 - 02.00	39.72	57.88	59.35	43.51	29.84	22.10	6.16	49.66	44.95	15932	781
02.01 - 04.00	50.18	86.11	67.60	57.98	47.93	42.76	41.04	52.49	56.02	6811	331
04.01 - 10.00	45.42	64.54	61.23	46.77	28.88	38.21	11.65	46.80	48.79	2313	111
10.01 & above	79.75	-	89.87	35.99	24.86	56.01	95.30	77.41	74.02	278	14
all	43.43	71.50	61.99	46.42	32.55	38.47	26.72	50.26	48.80	92660	4659
Gujarat											
nil (<0.01)	68.37	-	-	100.00	-	-	57.36	65.42	68.06	151	5
00.01 - 00.20	20.36	100.00	75.23	54.80	35.35	100.00	-	100.00	76.76	1224	68
00.21 - 00.50	58.71	70.99	84.09	78.93	78.18	87.80	29.25	97.03	78.85	7372	382
00.51 - 01.00	63.88	89.34	87.33	79.58	76.14	84.01	62.12	90.78	79.69	5864	287
01.01 - 02.00	77.89	71.32	91.82	83.12	84.61	75.49	37.39	97.21	84.60	6566	338
02.01 - 04.00	79.69	79.28	92.00	86.14	78.08	69.11	50.90	92.71	82.95	5532	282
04.01 - 10.00	94.02	-	90.02	90.63	86.13	67.47	61.30	96.61	85.81	3742	200
10.01 & above	-	-	100.00	95.28	100.00	79.15	29.33	93.18	86.36	529	30
all	76.63	79.03	90.38	85.60	81.35	71.36	49.51	94.99	83.89	30981	1592
Haryana											
nil (<0.01)	100.00	-	100.00	-	-	-	54.41	100.00	96.89	109	5
00.01 - 00.20	98.31	-	97.91	100.00	-	100.00	76.18	100.00	95.44	573	27
00.21 - 00.50	76.66	-	76.92	89.18	13.83	96.29	62.34	84.32	76.74	1851	90
00.51 - 01.00	68.94	-	61.60	71.62	7.39	81.51	41.62	91.62	64.59	1839	85
01.01 - 02.00	73.74	41.15	78.48	84.34	36.00	91.46	56.53	61.93	72.45	2973	138
02.01 - 04.00	82.15	100.00	79.27	91.97	34.60	69.24	53.44	83.79	75.95	2362	116
04.01 - 10.00	92.93	-	91.24	82.36	19.70	88.83	44.40	80.56	81.53	1613	77
10.01 & above	99.99	-	94.00	40.30	12.65	-	56.78	97.73	86.27	229	13
all	86.84	76.32	83.86	81.79	26.90	80.36	51.89	82.48	78.14	11548	551

Table 7.1: Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

size-class of Ownership holding (ha)	percentage of area sown with improved seeds									no. of field-crop cult. hhs.	
	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Himachal Pradesh											
nil (<0.01)	-	-	25.22	-	-	-	-	-	11.33	45	8
00.01 - 00.20	32.76	-	22.88	22.48	29.08	-	42.23	34.81	24.38	1691	322
00.21 - 00.50	46.14	53.81	36.59	27.62	48.58	11.31	47.11	42.95	35.11	2939	550
00.51 - 01.00	43.95	-	34.70	27.24	29.01	6.90	30.88	37.91	32.80	2208	404
01.01 - 02.00	26.01	-	26.61	18.47	16.02	11.22	28.19	34.74	24.85	1277	241
02.01 - 04.00	20.93	-	41.42	40.85	26.39	5.67	11.89	47.37	40.34	522	99
04.01 - 10.00	22.18	-	28.66	20.73	18.22	6.62	2.69	72.30	29.72	108	22
10.01 & above	57.98	-	-	28.39	-	-	-	53.88	20.72	35	7
all	35.90	31.34	32.88	26.72	25.72	8.00	26.60	41.80	31.67	8825	1653
Jammu & Kashmir											
nil (<0.01)	100.00	-	-	-	-	-	-	97.49	51.54	11	4
00.01 - 00.20	67.70	100.00	62.12	46.47	50.18	51.09	64.32	61.98	61.71	1039	218
00.21 - 00.50	60.49	99.27	48.88	33.64	48.89	65.69	57.74	57.89	57.18	2807	578
00.51 - 01.00	64.68	78.88	60.16	38.55	42.68	38.60	53.53	76.41	59.61	1978	392
01.01 - 02.00	72.57	100.00	76.28	58.60	61.10	69.67	75.95	67.56	70.97	997	242
02.01 - 04.00	80.98	100.00	81.73	63.28	72.80	20.77	66.22	65.61	73.93	353	84
04.01 - 10.00	83.39	-	95.68	87.50	78.43	70.25	62.33	54.00	84.08	51	17
10.01 & above	-	-	-	-	-	-	-	-	-	-	-
all	69.19	92.32	72.27	50.85	60.13	54.08	62.95	68.55	65.90	7236	1535
Karnataka											
nil (<0.01)	100.00	-	-	1.71	-	100.00	-	100.00	60.55	146	7
00.01 - 00.20	83.07	100.00	-	64.07	63.81	82.98	-	45.66	65.16	2826	137
00.21 - 00.50	84.52	66.71	56.61	64.66	51.62	69.38	100.00	64.23	66.09	6735	322
00.51 - 01.00	75.60	70.16	58.41	70.87	55.61	76.55	42.89	66.24	69.00	10269	445
01.01 - 02.00	76.95	68.84	33.60	65.49	55.13	75.41	50.26	58.01	65.19	12321	522
02.01 - 04.00	76.33	73.64	50.47	65.56	50.01	70.16	75.57	68.97	66.17	7165	308
04.01 - 10.00	64.33	56.95	60.57	71.29	44.88	52.03	30.56	57.36	60.69	4250	184
10.01 & above	100.00	-	4.56	69.33	52.48	85.48	-	45.53	66.07	656	28
all	76.45	66.72	43.10	68.07	50.68	68.54	38.80	60.47	64.70	44369	1953

Table 7.1: Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

size-class of Ownership holding (ha)	percentage of area sown with improved seeds									no. of field-crop cult. hhs.	
	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Kerala											
nil (<0.01)	-	-	-	-	-	-	-	-	-	75	4
00.01 - 00.20	43.41	62.83	-	24.90	-	8.40	-	16.42	18.30	22100	1401
00.21 - 00.50	54.34	62.66	100.00	21.26	-	13.27	-	20.09	26.86	6402	419
00.51 - 01.00	75.44	69.89	-	31.75	-	40.71	-	27.01	39.43	3374	201
01.01 - 02.00	71.01	76.66	-	64.95	-	10.26	-	29.43	35.02	1976	116
02.01 - 04.00	91.97	77.87	-	-	100.00	1.34	-	48.64	56.28	485	29
04.01 - 10.00	98.20	100.00	-	-	-	2.31	-	55.01	57.04	170	10
10.01 & above	100.00	-	-	-	-	100.00	-	5.48	51.07	32	2
all	77.04	71.92	100.00	23.16	28.74	14.17	-	28.15	36.66	34615	2182
Madhya Pradesh											
01(<0.01)	22.42	-	27.77	44.02	25.66	37.52	-	49.49	31.58	421	21
0.01 - 00.20	30.56	49.23	31.46	-	18.78	49.86	14.36	48.56	32.22	2467	139
00.21 - 00.50	25.34	82.34	44.04	22.12	16.97	51.75	12.87	25.62	33.81	9680	539
00.51 - 01.00	20.96	59.39	39.94	44.35	27.60	52.05	26.33	29.81	33.98	15036	774
01.01 - 02.00	19.58	59.90	39.08	42.52	26.04	47.79	8.47	41.96	34.14	21560	1108
02.01 - 04.00	19.03	49.98	46.27	46.61	26.57	49.32	28.70	47.81	38.07	18818	954
04.01 - 10.00	26.10	100.00	50.78	54.14	35.26	55.56	32.72	51.77	46.11	8158	434
10.01 & above	20.86	100.00	47.49	76.52	42.15	52.31	20.55	78.47	50.88	1028	62
all	21.34	69.12	45.74	50.91	30.91	51.61	26.29	49.02	40.41	77168	4031
Maharashtra											
nil (<0.01)	100.00	-	-	29.37	100.00	-	-	100.00	52.63	178	7
00.01 - 00.20	29.46	-	72.74	76.85	35.74	72.86	-	87.92	64.30	3913	188
00.21 - 00.50	41.31	81.37	64.13	73.82	39.48	46.84	64.81	73.61	57.85	8349	399
00.51 - 01.00	43.07	68.76	47.87	77.37	43.70	44.97	20.54	79.37	63.79	12111	559
01.01 - 02.00	40.30	100.00	63.91	76.10	58.52	58.58	28.32	86.99	70.83	15774	739
02.01 - 04.00	29.94	64.21	59.10	70.16	40.96	55.08	53.22	87.06	65.57	11295	527
04.01 - 10.00	41.25	-	58.93	74.49	57.23	64.41	49.96	90.28	73.78	6238	287
10.01 & above	52.49	-	62.24	59.07	38.28	70.92	49.40	87.89	69.06	883	40
all	38.66	82.12	59.53	72.31	49.83	59.79	43.30	87.54	69.05	58740	2746

Table 7.1: Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

size-class of Ownership holding (ha)	percentage of area sown with improved seeds									no. of field-crop cult. hhs.	
	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Manipur											
nil (<0.01)	26.34	81.14	-	-	-	-	-	3.80	42.45	198	80
00.01 - 00.20	17.09	-	-	-	-	-	-	33.92	26.27	189	57
00.21 - 00.50	67.85	61.38	-	76.93	74.68	46.25	100.00	38.96	61.79	483	174
00.51 - 01.00	56.89	55.38	-	89.07	95.60	20.51	-	25.52	53.10	832	256
01.01 - 02.00	80.56	53.13	100.00	97.40	91.26	-	-	68.06	76.65	353	140
02.01 - 04.00	76.11	89.52	-	-	96.18	-	-	69.73	77.80	76	34
04.01 - 10.00	75.32	-	-	-	-	-	-	92.67	77.79	10	6
10.01 & above	-	-	-	-	-	-	-	-	-	-	-
all	65.23	66.41	100.00	57.95	67.78	3.97	44.16	35.06	61.45	2139	747
Meghalaya											
nil (<0.01)	100.00	-	-	-	-	-	-	100.00	100.00	17	6
00.01 - 00.20	77.43	-	100.00	100.00	-	-	-	76.60	78.10	385	121
00.21 - 00.50	58.42	17.75	59.95	48.88	-	-	-	56.88	55.26	782	210
00.51 - 01.00	62.41	33.93	62.88	62.15	47.68	100.00	100.00	51.49	55.01	796	225
01.01 - 02.00	46.77	100.00	-	67.29	43.64	100.00	-	55.48	53.64	605	193
02.01 - 04.00	60.32	100.00	100.00	35.10	-	-	-	40.71	49.35	425	136
04.01 - 10.00	94.39	100.00	-	100.00	-	-	-	61.96	84.13	92	29
10.01 & above	-	-	-	-	-	-	-	-	-	-	-
all	64.11	55.26	79.88	59.09	39.52	100.00	41.64	51.65	57.39	3103	920
Mizoram											
nil (<0.01)	38.21	-	-	-	-	-	100.00	12.00	20.37	104	72
00.01 - 00.20	22.74	-	-	-	5.43	-	-	12.15	15.38	339	263
00.21 - 00.50	48.70	-	-	-	-	-	-	18.34	33.92	43	45
00.51 - 01.00	27.21	-	-	18.13	-	-	-	24.12	22.87	55	47
01.01 - 02.00	58.72	-	-	-	-	-	-	49.10	51.30	66	54
02.01 - 04.00	80.23	-	-	-	-	-	-	40.13	56.64	14	16
04.01 - 10.00	100.00	-	-	-	-	-	-	-	86.67	3	3
10.01 & above	-	-	-	-	-	-	-	-	-	-	-
all	36.91	-	-	1.93	2.64	-	5.31	21.42	25.98	624	500

Table 7.1: Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

size-class of Ownership holding (ha)	percentage of area sown with improved seeds									no. of field-crop cult. hhs.	
	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Nagaland											
nil (<0.01)	-	-	-	-	-	-	-	-	-	16	13
00.01 - 00.20	-	100.00	-	-	-	-	-	6.03	5.85	24	20
00.21 - 00.50	-	4.94	-	-	-	-	-	-	0.41	37	47
00.51 - 01.00	3.24	3.95	-	1.29	-	-	23.61	1.92	2.56	77	71
01.01 - 02.00	-	1.53	-	-	-	22.00	-	-	0.81	190	177
02.01 - 04.00	1.45	0.84	-	7.81	-	-	-	1.77	1.93	329	356
04.01 - 10.00	7.08	8.92	-	28.41	-	-	-	2.48	5.83	127	136
10.01 & above	-	-	-	-	-	-	-	-	-	7	8
all	3.63	2.09	-	9.99	-	11.27	0.49	1.89	3.28	807	828
Orissa											
nil (<0.01)	0.89	-	-	-	-	-	-	0.68	0.69	198	20
00.01 - 00.20	25.09	29.96	-	58.00	39.83	32.02	-	56.02	28.58	5949	326
00.21 - 00.50	33.42	82.21	37.24	30.52	50.86	16.63	-	25.33	36.11	12133	657
00.51 - 01.00	42.07	57.25	55.47	32.50	58.49	28.50	-	56.56	43.88	10803	553
01.01 - 02.00	37.95	59.37	40.06	29.58	63.04	39.99	-	59.85	41.08	7280	378
02.01 - 04.00	30.83	35.50	-	58.60	49.90	64.56	-	71.09	34.53	2881	146
04.01 - 10.00	32.93	53.86	100.00	56.48	66.84	6.51	-	22.32	38.44	609	32
10.01 & above	42.46	-	-	-	100.00	-	-	89.23	53.55	122	3
all	36.11	55.32	54.37	37.56	59.10	32.73	-	59.70	39.53	39975	2115
Punjab											
nil (<0.01)	100.00	-	100.00	-	-	-	67.57	100.00	94.99	50	5
00.01 - 00.20	100.00	36.42	87.84	13.90	-	-	80.91	54.44	80.10	482	47
00.21 - 00.50	70.95	100.00	68.89	46.07	-	73.29	66.40	83.87	68.35	1130	99
00.51 - 01.00	90.71	71.16	86.83	86.99	100.00	100.00	71.40	81.67	84.70	1462	122
01.01 - 02.00	88.96	81.50	84.31	65.94	87.01	100.00	73.23	59.58	80.63	2909	254
02.01 - 04.00	90.06	30.58	84.82	9.78	-	31.67	69.94	72.34	81.63	2202	190
04.01 - 10.00	91.12	11.86	89.28	60.23	36.72	100.00	70.25	81.24	85.43	1575	133
10.01 & above	91.06	100.00	91.20	100.00	-	100.00	75.67	90.76	90.48	377	33
all	90.22	51.49	87.49	54.49	43.21	72.89	71.38	79.20	84.38	10188	883

Table 7.1: Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

size-class of Ownership holding (ha)	percentage of area sown with improved seeds									no. of field-crop cult. hhs.	
	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Rajasthan											
nil (<0.01)	-	-	87.73	72.50	-	66.24	96.02	82.88	61.06	306	19
00.01 - 00.20	-	-	26.66	44.62	6.69	67.23	88.25	79.11	50.58	2073	110
00.21 - 00.50	13.36	-	62.76	56.62	33.35	71.25	31.27	46.16	56.08	7782	415
00.51 - 01.00	25.35	62.37	64.11	53.88	34.17	61.96	14.38	45.08	52.61	8603	445
01.01 - 02.00	20.58	92.33	71.35	58.49	50.66	73.06	30.27	49.44	60.08	11017	583
02.01 - 04.00	66.62	76.99	84.08	67.92	56.41	77.14	42.74	67.05	70.58	9684	539
04.01 - 10.00	17.56	100.00	80.40	71.27	67.25	77.92	53.37	59.67	69.68	7914	451
10.01 & above	-	-	88.68	73.01	71.20	80.36	79.69	65.32	74.27	2009	124
all	31.17	85.48	78.19	67.23	62.01	76.11	51.82	60.90	67.83	49388	2686
Sikkim											
nil (<0.01)	17.83	-	-	1.58	-	-	-	0.24	3.74	60	76
00.01 - 00.20	8.82	43.48	11.60	1.16	-	-	-	-	2.17	95	111
00.21 - 00.50	3.72	-	47.28	1.22	-	-	-	1.22	2.63	180	216
00.51 - 01.00	12.27	-	24.52	4.18	-	-	-	0.23	4.26	123	136
01.01 - 02.00	12.56	-	-	1.37	-	-	-	-	2.54	85	92
02.01 - 04.00	14.71	-	-	1.95	-	-	-	0.27	2.98	38	42
04.01 - 10.00	-	-	-	-	-	-	-	-	-	3	4
10.01 & above	100.00	-	-	100.00	-	-	-	-	76.13	1	1
all	14.28	4.04	17.64	2.79	-	-	-	0.30	3.70	586	678
Tamil Nadu											
nil (<0.01)	100.00	-	-	100.00	92.59	100.00	-	100.00	99.12	707	41
00.01 - 00.20	64.56	88.41	100.00	33.39	100.00	70.90	35.05	61.51	69.81	4184	247
00.21 - 00.50	67.54	65.93	100.00	52.70	75.05	52.95	11.63	63.17	63.36	10470	610
00.51 - 01.00	67.53	73.02	100.00	55.14	84.44	60.76	53.18	65.94	66.95	8949	487
01.01 - 02.00	70.90	70.08	100.00	55.02	83.22	60.93	25.50	68.15	66.61	5976	321
02.01 - 04.00	74.15	83.33	84.13	72.62	72.45	90.32	33.20	63.21	73.18	2684	136
04.01 - 10.00	84.43	44.06	-	86.02	40.54	61.19	-	39.90	62.90	966	42
10.01 & above	22.73	-	-	-	100.00	100.00	100.00	100.00	84.58	49	3
all	71.67	69.58	89.01	64.28	72.63	71.35	38.31	63.64	67.73	33985	1887

Table 7.1: Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

size-class of Ownership holding (ha)	percentage of area sown with improved seeds									no. of field-crop cult. hhs.	
	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Tripura											
nil (<0.01)	38.39	-	-	-	-	-	-	100.00	41.64	43	8
00.01 - 00.20	57.61	42.65	100.00	-	-	-	-	53.45	53.10	490	110
00.21 - 00.50	60.85	74.07	100.00	-	-	-	-	59.31	67.63	910	187
00.51 - 01.00	67.14	64.38	89.22	-	-	-	-	53.72	65.65	652	134
01.01 - 02.00	61.50	67.43	85.11	-	-	-	-	47.55	62.45	215	40
02.01 - 04.00	56.50	58.00	100.00	-	-	-	-	98.87	63.63	71	16
04.01 - 10.00	23.43	-	-	-	-	-	-	-	18.85	8	2
10.01 & above	-	-	-	-	-	-	-	-	-	-	-
all	61.03	66.27	91.07	-	-	-	-	58.04	63.28	2389	497
Uttar Pradesh											
nil (<0.01)	22.33	-	30.57	18.06	41.95	-	81.97	46.53	29.32	599	29
00.01 - 00.20	33.02	32.45	37.96	29.87	11.61	15.25	35.21	42.42	34.20	30448	1426
00.21 - 00.50	40.69	38.17	41.71	27.01	19.10	16.32	48.12	35.85	37.87	50848	2087
00.51 - 01.00	45.20	40.44	50.72	37.79	24.86	29.59	55.42	46.10	45.48	40361	1665
01.01 - 02.00	50.89	60.45	57.28	41.76	32.43	36.98	60.54	48.37	50.74	29586	1205
02.01 - 04.00	55.91	66.38	62.47	51.87	37.17	53.59	68.84	54.74	56.91	14076	606
04.01 - 10.00	70.40	100.00	77.75	52.37	40.88	67.69	75.07	62.62	66.56	5049	226
10.01 & above	90.35	-	95.44	86.65	63.47	94.62	78.87	72.79	84.60	396	19
all	51.07	63.88	57.92	43.86	34.19	46.66	62.66	51.85	52.09	171362	7263
West Bengal											
nil (<0.01)	21.35	39.05	57.49	-	59.67	100.00	-	54.47	30.79	1976	87
00.01 - 00.20	70.55	73.22	82.77	78.02	69.47	86.32	32.70	67.49	71.73	15261	758
00.21 - 00.50	72.08	72.99	77.34	61.77	50.32	72.67	-	67.60	71.31	19727	972
00.51 - 01.00	74.67	76.28	63.55	83.92	70.24	76.52	-	72.73	74.01	14715	650
01.01 - 02.00	75.47	65.23	72.93	77.96	65.52	56.69	-	71.10	72.42	6730	302
02.01 - 04.00	80.10	70.71	69.17	94.78	73.05	78.14	-	69.48	76.54	2164	97
04.01 - 10.00	93.55	67.26	54.85	-	100.00	9.50	-	88.04	80.27	191	9
10.01 & above	100.00	-	100.00	-	-	-	-	100.00	100.00	24	1
all	72.97	71.62	70.45	81.25	68.62	68.35	2.45	70.90	72.04	60788	2876

Table 7.1: Percentage of area under a crop sown with any kind of improved seeds by size-class of household ownership holding

size-class of Ownership holding (ha)	percentage of area sown with improved seeds									no. of field-crop cult. hhs.	
	paddy		wheat	other cereals	pulses	oil-seeds	fodder	others	all	estd. (00)	sample
	kharif	*rabi*									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
A. & N. Islands											
nil (<0.01)	82.27	-	-	-	-	-	-	76.70	80.80	33	25
00.01 - 00.20	-	-	-	-	-	-	-	87.65	78.18	9	8
00.21 - 00.50	-	-	-	-	75.55	-	-	-	26.03	5	7
00.51 - 01.00	43.25	-	-	-	42.07	-	-	38.62	42.54	17	16
01.01 - 02.00	26.63	-	-	-	19.19	-	-	92.52	34.24	22	21
02.01 - 04.00	23.28	-	-	-	5.59	-	-	100.00	23.29	20	20
04.01 - 10.00	50.80	-	-	-	41.98	-	-	57.70	50.29	6	5
10.01 & above	-	-	-	-	-	-	-	-	-	-	-
all	43.99	-	-	-	20.17	-	-	76.97	45.97	113	102
India											
nil (<0.01)	26.94	60.47	53.54	35.03	30.86	60.41	44.78	43.93	37.73	10806	914
00.01 - 00.20	45.03	68.01	46.67	46.16	22.32	57.22	59.06	52.01	47.44	123414	7726
00.21 - 00.50	48.45	68.65	50.81	50.92	37.16	53.77	49.82	52.35	50.36	191767	11440
00.51 - 01.00	49.43	67.25	53.65	58.39	40.37	54.53	51.13	57.85	53.16	180495	10274
01.01 - 02.00	48.61	60.47	59.27	60.46	44.45	56.72	52.70	60.50	55.10	162612	9215
02.01 - 04.00	50.05	65.33	65.37	64.87	44.63	58.43	58.19	67.80	59.51	97772	5712
04.01 - 10.00	57.79	68.50	71.41	69.16	50.91	61.19	57.03	69.67	64.82	47354	2716
10.01 & above	71.46	80.55	78.68	70.08	56.40	60.66	62.74	73.65	69.51	7168	422
all	50.92	65.55	63.12	63.80	46.62	58.83	55.79	65.07	58.70	821388	48419

Table 8: Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

crop group	area (per 1000 hectares) under five major crops treated with					estd. area under the crop (00 ha.)	no. of hhs. cultivating the crop using fertiliser	
	fertiliser only	manaure only	both manure & fertilisers	None	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Andhra Pradesh								
Paddy(*kharif*)	78	9	911	3	1000	25215	30226	1411
Paddy(*rabi*)	194	1	801	5	1000	8145	8802	365
wheat	49	64	761	126	1000	292	246	13
other cereals	115	40	787	58	1000	8705	10687	523
pulses	187	40	693	80	1000	7051	7606	339
oil seeds	78	67	847	8	1000	13035	10499	483
mixed crop	90	63	831	16	1000	4407	2928	135
sugar cane	172	16	812	-	1000	1686	2537	112
vegetables	38	4	941	18	1000	1109	2178	109
fodder	118	6	393	483	1000	720	578	24
fruits & nuts	71	137	622	170	1000	1728	1433	65
other cash crops	111	39	823	27	1000	8384	8722	413
others	148	9	693	149	1000	1629	1436	64
all crops	110	32	827	31	1000	82260	52067	2457
Arunachal Pradesh								
Paddy(*kharif*)	113	61	29	797	1000	626	237	95
Paddy(*rabi*)	59	5	4	932	1000	126	10	3
wheat	601	1	330	68	1000	38	66	33
other cereals	156	69	46	728	1000	119	107	55
pulses	307	6	20	667	1000	27	37	18
oil seeds	-	2	42	956	1000	9	3	2
mixed crop	26	23	37	915	1000	137	85	37
sugar cane	-	-	-	1000	1000	0	-	-
vegetables	112	155	129	604	1000	93	243	113
fodder	-	-	-	1000	1000	0	-	-
fruits & nuts	-	15	120	865	1000	11	8	5
other cash crops	-	800	35	165	1000	33	53	33
others	5	12	29	954	1000	36	9	4
all crops	112	72	46	770	1000	1266	359	157

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most-important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 8: Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

crop group	area (per 1000 hectares) under five major crops treated with					estd. area under the crop (00 ha.)	no. of hhs. cultivating the crop using fertiliser	
	fertiliser only	manaure only	both manure & fertilisers	None	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			Assam					
Paddy(*kharif*)	122	195	350	333	1000	18424	12899	1091
Paddy(*rabi*)	238	209	157	396	1000	3931	2509	239
wheat	238	71	616	75	1000	1039	2350	215
other cereals	20	123	751	105	1000	329	822	77
pulses	30	99	278	593	1000	1190	1613	132
oil seeds	264	99	468	169	1000	571	1585	129
mixed crop	10	783	141	67	1000	31	133	13
sugar cane	85	64	474	377	1000	357	388	30
vegetables	114	367	310	209	1000	3612	13913	1136
fodder	133	16	263	588	1000	45	44	4
fruits & nuts	24	308	66	602	1000	96	314	29
other cash crops	78	164	722	36	1000	135	356	35
others	348	64	487	101	1000	854	2159	188
all crops	143	202	339	316	1000	30618	19893	1400
			Bihar					
Paddy(*kharif*)	273	111	563	53	1000	65258	75082	3751
Paddy(*rabi*)	571	1	409	20	1000	1383	2798	96
wheat	319	44	632	4	1000	39556	61930	3102
other cereals	243	121	548	88	1000	8585	25904	1232
pulses	183	144	377	295	1000	9398	23226	1089
oil seeds	213	216	418	153	1000	2360	7060	354
mixed crop	88	44	430	438	1000	1488	2865	157
sugar cane	38	74	888	-	1000	1011	1838	103
vegetables	172	110	648	70	1000	3282	17674	873
fodder	396	58	254	292	1000	242	1444	76
fruits & nuts	95	59	704	142	1000	177	498	25
other cash crops	450	62	279	209	1000	1250	2529	123
others	39	449	429	84	1000	340	809	32
all crops	276	94	564	66	1000	134585	87084	4189

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 8: Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

crop group	area (per 1000 hectares) under five major crops treated with					estd. area under the crop (00 ha.)	no. of hhs. cultivating the crop using fertiliser	
	fertiliser only	manaure only	both manure & fertilisers	None	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			Gujarat					
Paddy(*kharif*)	41	66	872	21	1000	5643	7682	368
Paddy(*rabi*)	-	13	987	-	1000	541	849	37
Wheat	109	5	887	-	1000	9146	11115	570
other cereals	64	77	853	7	1000	15927	20704	1032
Pulses	51	68	832	49	1000	3863	5579	300
oil seeds	69	26	904	1	1000	13428	9480	480
mixed crop	60	17	921	2	1000	4023	3176	145
sugar cane	28	-	972	-	1000	1848	1214	64
Vegetables	39	75	886	-	1000	1239	2025	94
Fodder	32	109	701	158	1000	3163	6097	317
fruits & nuts	-	63	886	52	1000	462	433	17
other cash crops	30	14	951	5	1000	14152	8610	439
Others	309	-	660	31	1000	338	590	24
all crops	59	40	887	14	1000	73780	30486	1568
			Haryana					
Paddy(*kharif*)	384	-	616	-	1000	8077	4634	209
Paddy(*rabi*)	-	-	1000	-	1000	174	116	4
Wheat	433	16	545	6	1000	16092	9971	475
other cereals	268	53	517	162	1000	3717	3057	150
Pulses	160	86	225	530	1000	2000	1060	53
oil seeds	489	58	292	160	1000	2868	2352	124
mixed crop	-	-	1000	-	1000	96	97	4
sugar cane	269	6	725	-	1000	592	938	56
Vegetables	118	-	882	-	1000	341	809	40
Fodder	335	30	462	173	1000	3898	8343	370
fruits & nuts	-	-	-	-	-	-	-	-
other cash crops	507	6	390	97	1000	2506	1687	72
Others	333	3	438	226	1000	1729	935	40
all crops	383	22	511	84	1000	42089	11216	510

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 8: Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

crop group	area (per 1000 hectares) under five major crops treated with					estd. area under the crop (00 ha.)	no. of hhs. cultivating the crop using fertiliser	
	fertiliser only	manaure only	both manure & fertilisers	None	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Himachal Pradesh								
Paddy(*kharif*)	14	183	800	4	1000	655	2778	523
Paddy(*rabi*)	-	632	368	-	1000	11	66	12
wheat	21	236	740	3	1000	3634	8303	1559
other cereals	18	227	753	2	1000	2881	7624	1431
pulses	32	610	325	33	1000	139	880	168
oil seeds	3	151	842	4	1000	98	1028	189
mixed crop	-	185	815	-	1000	27	101	20
sugar cane	87	339	574	-	1000	22	161	32
vegetables	4	399	593	4	1000	162	1788	343
fodder	16	99	879	6	1000	105	915	170
fruits & nuts	34	22	940	3	1000	413	630	110
other cash crops	11	128	853	8	1000	317	1030	163
others	12	587	384	18	1000	122	547	103
all crops	19	226	750	4	1000	8587	8774	1642
Jammu & Kashmir								
Paddy(*kharif*)	144	32	821	3	1000	2191	4989	1065
Paddy(*rabi*)	219	72	709	-	1000	56	191	33
wheat	44	89	867	-	1000	2010	2677	712
other cereals	28	169	801	2	1000	985	2159	510
pulses	51	161	769	19	1000	193	1297	254
oil seeds	294	19	677	10	1000	642	2298	410
mixed crop	63	-	937	-	1000	23	127	30
sugar cane	915	-	85	-	1000	11	36	12
vegetables	114	98	774	14	1000	424	3680	683
fodder	134	27	727	112	1000	342	2012	484
fruits & nuts	327	23	577	73	1000	500	1328	238
other cash crops	-	-	1000	-	1000	34	86	13
others	222	45	728	5	1000	135	488	122
all crops	125	70	791	13	1000	7547	7213	1529

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 8: Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

crop group	area (per 1000 hectares) under five major crops treated with					estd. area under the crop (00 ha.)	no. of hhs. cultivating the crop using fertiliser	
	fertiliser only	manaure only	both manure & fertilisers	None	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			Karnataka					
Paddy(*kharif*)	67	9	908	16	1000	9279	10603	475
Paddy(*rabi*)	115	29	843	12	1000	1707	2023	89
wheat	165	151	651	33	1000	1374	1650	69
other cereals	130	171	631	68	1000	34052	25490	1100
pulses	59	187	670	84	1000	11180	9175	404
oil seeds	197	113	634	55	1000	13590	9401	386
mixed crop	64	93	822	20	1000	5374	4581	200
sugar cane	131	53	795	21	1000	2123	2620	114
vegetables	36	39	891	33	1000	1666	2786	124
fodder	69	158	511	263	1000	572	638	24
fruits & nuts	44	164	626	166	1000	1608	2901	133
other cash crops	83	12	901	4	1000	7099	6770	296
others	80	145	633	141	1000	919	1579	64
all crops	113	122	710	55	1000	90596	41880	1816
			Kerala					
Paddy(*kharif*)	366	13	589	33	1000	1367	3397	215
Paddy(*rabi*)	123	41	807	30	1000	517	1788	114
wheat	-	-	1000	-	1000	5	45	2
other cereals	42	132	697	129	1000	216	1124	66
pulses	-	-	287	713	1000	25	18	1
oil seeds	193	261	448	98	1000	488	2671	167
mixed crop	67	247	627	59	1000	480	2116	138
sugar cane	-	585	415	-	1000	10	83	6
vegetables	43	272	618	67	1000	263	5649	350
fodder	-	-	447	553	1000	3	15	1
fruits & nuts	63	266	484	187	1000	1585	13902	854
other cash crops	130	236	473	162	1000	4241	12161	712
others	23	209	458	310	1000	393	3601	219
all crops	143	197	523	137	1000	9599	27015	1648

* *Note*

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crop group	area (per 1000 hectares) under five major crops treated with					estd. area under the crop (00 ha.)	no. of hhs. cultivating the crop using fertiliser	
	fertiliser only	manaure only	both manure & fertilisers	None	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Madhya Pradesh								
Paddy(*kharif*)	108	259	508	125	1000	50255	35642	1822
Paddy(*rabi*)	87	153	732	28	1000	1299	1236	64
wheat	299	95	546	59	1000	55564	36294	1907
other cereals	76	169	666	89	1000	21844	16846	912
pulses	192	196	444	168	1000	23033	24518	1281
oil seeds	262	138	489	112	1000	41323	24178	1257
mixed crop	287	121	372	221	1000	8529	4938	271
sugar cane	199	78	686	37	1000	527	758	40
vegetables	175	369	365	91	1000	2327	5801	268
fodder	148	66	299	487	1000	1247	1597	85
fruits & nuts	-	4	718	278	1000	165	76	5
other cash crops	122	14	838	26	1000	5995	5156	261
others	302	70	358	270	1000	1842	1209	58
all crops	203	162	525	109	1000	213999	68521	3485
Maharashtra								
Paddy(*kharif*)	183	108	664	45	1000	11884	16765	773
Paddy(*rabi*)	174	59	752	16	1000	292	504	25
wheat	256	139	572	33	1000	7973	10334	498
other cereals	132	206	548	113	1000	42767	34938	1512
pulses	280	112	448	161	1000	11002	12995	612
oil seeds	160	78	591	171	1000	6977	6713	302
mixed crop	364	12	590	34	1000	4585	2542	126
sugar cane	130	12	838	20	1000	3375	4391	203
vegetables	230	55	646	69	1000	1911	3797	184
fodder	56	228	477	239	1000	909	1536	72
fruits & nuts	56	31	857	56	1000	1781	2169	93
other cash crops	225	24	728	23	1000	19732	14245	643
others	371	35	267	328	1000	693	577	26
all crops	189	123	601	87	1000	113969	54606	2514

* *Note*

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crop group	area (per 1000 hectares) under five major crops treated with					estd. area under the crop (00 ha.)	no. of hhs. cultivating the crop using fertiliser	
	fertiliser only	manaure only	both manure & fertilisers	None	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Manipur								
Paddy(*kharif*)	78	156	508	258	1000	1035	1123	368
Paddy(*rabi*)	726	5	11	257	1000	283	264	86
wheat	-	-	1000	-	1000	0	2	1
other cereals	358	341	245	56	1000	13	88	33
pulses	606	287	6	100	1000	21	140	44
oil seeds	-	805	40	155	1000	6	49	18
mixed crop	2	85	420	493	1000	45	222	84
sugar cane	-	-	-	-	-	-	-	-
vegetables	135	106	251	508	1000	113	594	198
fodder	-	442	-	558	1000	1	7	2
fruits & nuts	28	12	-	960	1000	5	14	3
other cash crops	217	-	187	596	1000	5	10	2
others	33	47	7	912	1000	26	80	20
all crops	205	125	377	293	1000	1566	1520	487
Meghalaya								
Paddy(*kharif*)	150	104	83	663	1000	1313	789	240
Paddy(*rabi*)	72	114	364	450	1000	94	110	30
wheat	146	357	496	-	1000	5	20	7
other cereals	18	447	19	515	1000	169	263	68
pulses	-	336	192	472	1000	6	43	16
oil seeds	-	-	-	1000	1000	4	-	-
mixed crop	10	110	55	825	1000	222	116	38
sugar cane	-	-	-	-	-	-	-	-
vegetables	85	592	105	218	1000	898	2038	527
fodder	-	-	-	1000	1000	1	-	-
fruits & nuts	5	158	60	777	1000	234	105	44
other cash crops	-	58	98	844	1000	102	45	15
others	-	330	10	659	1000	123	140	51
all crops	91	273	89	548	1000	3171	2052	425

* *Note*

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2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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	fertiliser only	manaure only	both manure & fertilisers	None	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Mizoram								
Paddy(*kharif*)	33	18	8	940	1000	219	22	13
Paddy(*rabi*)	-	-	-	1000	1000	29	-	-
wheat	-	-	-	-	-	-	-	-
other cereals	11	-	19	969	1000	8	1	3
pulses	24	-	-	976	1000	16	3	2
oil seeds	-	-	-	1000	1000	0	-	-
mixed crop	28	-	-	972	1000	125	4	2
sugar cane	-	293	-	707	1000	6	2	1
vegetables	8	-	3	989	1000	46	4	6
fodder	-	-	-	1000	1000	0	-	-
fruits & nuts	30	423	12	535	1000	12	10	10
other cash crops	22	23	28	927	1000	28	10	7
others	-	-	-	1000	1000	18	-	-
all crops	25	22	6	947	1000	508	32	15
Nagaland								
Paddy(*kharif*)	17	590	22	371	1000	978	337	375
Paddy(*rabi*)	59	196	49	696	1000	363	142	134
wheat	-	218	-	782	1000	8	3	3
other cereals	33	405	39	523	1000	160	215	219
pulses	4	202	5	789	1000	46	55	63
oil seeds	409	395	75	121	1000	12	34	17
mixed crop	51	630	44	274	1000	141	173	186
sugar cane	-	-	-	-	-	-	-	-
vegetables	19	562	23	396	1000	254	328	316
fodder	5	322	-	673	1000	8	25	17
fruits & nuts	-	122	-	878	1000	2	2	3
other cash crops	-	696	8	296	1000	101	75	67
others	7	852	1	140	1000	107	102	116
all crops	28	519	27	426	1000	2190	545	474

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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crop group	area (per 1000 hectares) under five major crops treated with					estd. area under the crop (00 ha.)	no. of hhs. cultivating the crop using fertiliser	
	fertiliser only	manaure only	both manure & fertilisers	None	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Orissa								
Paddy(*kharif*)	43	289	626	41	1000	30778	35924	1919
Paddy(*rabi*)	111	4	855	31	1000	1290	2600	149
Wheat	-	59	751	190	1000	73	249	13
other cereals	17	413	131	439	1000	1177	2779	153
Pulses	29	192	499	279	1000	3367	4726	254
oil seeds	5	480	260	256	1000	439	1747	99
mixed crop	-	32	968	-	1000	16	90	4
sugar cane	-	163	715	122	1000	58	301	16
Vegetables	15	260	486	240	1000	647	4753	252
Fodder	-	-	-	1000	1000	4	-	-
fruits & nuts	-	89	716	195	1000	66	321	21
other cash crops	-	29	902	69	1000	317	438	20
Others	-	403	-	597	1000	42	68	4
all crops	42	273	603	81	1000	38276	37128	1980
Punjab								
Paddy(*kharif*)	190	0	805	6	1000	14095	6642	572
Paddy(*rabi*)	93	20	887	-	1000	571	314	27
Wheat	328	2	666	4	1000	21703	9285	800
other cereals	95	116	782	7	1000	730	873	84
Pulses	-	38	962	-	1000	89	147	13
oil seeds	110	12	878	-	1000	199	387	38
mixed crop	-	-	1000	-	1000	24	59	5
sugar cane	221	-	779	-	1000	189	358	33
Vegetables	29	-	971	-	1000	324	329	30
Fodder	137	26	829	7	1000	4913	14141	1174
fruits & nuts	-	-	1000	-	1000	146	32	1
other cash crops	678	0	322	-	1000	6573	2523	204
Others	13	-	986	1	1000	374	157	13
all crops	303	5	687	4	1000	49942	10077	875

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 8: Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

crop group	area (per 1000 hectares) under five major crops treated with					estd. area under the crop (00 ha.)	no. of hhs. cultivating the crop using fertiliser	
	fertiliser only	manaure only	both manure & fertilisers	None	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
			Rajasthan					
Paddy(*kharif*)	265	214	519	3	1000	1259	2369	111
Paddy(*rabi*)	11	-	989	-	1000	285	253	13
wheat	185	75	722	19	1000	32952	29623	1602
other cereals	68	371	441	120	1000	54819	36120	1962
pulses	121	388	361	129	1000	19670	13623	758
oil seeds	264	119	574	43	1000	19110	16457	901
mixed crop	23	516	65	396	1000	13654	6255	322
sugar cane	285	434	268	13	1000	582	851	44
vegetables	198	76	718	9	1000	403	945	59
fodder	146	426	307	121	1000	5670	8177	463
fruits & nuts	-	-	1000	-	1000	83	86	5
other cash crops	111	159	699	31	1000	12265	6401	358
others	34	113	303	550	1000	4638	2891	156
all crops	124	273	485	118	1000	165418	45601	2367
			Sikkim					
Paddy(*kharif*)	69	568	205	158	1000	63	132	152
Paddy(*rabi*)	-	649	187	164	1000	2	11	11
wheat	100	306	575	20	1000	8	41	45
other cereals	11	619	331	39	1000	189	608	611
pulses	-	894	29	77	1000	10	60	70
oil seeds	-	823	109	68	1000	3	16	16
mixed crop	-	1000	-	-	1000	1	13	15
sugar cane	-	-	-	1000	1000	0	-	-
vegetables	1	939	49	11	1000	66	526	598
fodder	-	283	155	562	1000	11	39	44
fruits & nuts	-	869	-	131	1000	5	22	25
other cash crops	-	531	64	405	1000	78	208	225
others	-	217	-	783	1000	3	4	5
all crops	17	638	207	138	1000	438	579	618

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
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	fertiliser only	manaure only	both manure & fertilisers	None	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Tamil Nadu								
Paddy(*kharif*)	54	13	930	3	1000	9711	14271	806
Paddy(*rabi*)	74	9	910	8	1000	5861	9050	494
Wheat	38	110	776	76	1000	81	140	8
other cereals	159	116	684	41	1000	5316	6883	360
Pulses	147	116	451	285	1000	1920	1795	106
oil seeds	212	68	674	46	1000	2413	3525	200
mixed crop	-	234	755	11	1000	596	645	36
sugar cane	164	19	790	27	1000	1720	2086	100
Vegetables	192	30	707	70	1000	947	2246	113
Fodder	14	405	227	354	1000	462	803	43
fruits & nuts	175	262	412	151	1000	1796	3091	173
other cash crops	174	79	712	35	1000	3178	5094	270
Others	84	61	742	113	1000	855	1343	64
all crops	115	68	768	49	1000	34863	32476	1789
Tripura								
Paddy(*kharif*)	78	179	639	104	1000	766	1445	287
Paddy(*rabi*)	30	261	627	82	1000	404	864	182
Wheat	48	-	952	-	1000	57	124	17
other cereals	-	1000	-	-	1000	2	5	1
Pulses	-	-	-	-	-	-	-	-
oil seeds	-	-	-	-	-	-	-	-
mixed crop	-	-	-	1000	1000	5	-	-
sugar cane	-	-	-	-	-	-	-	-
Vegetables	80	205	592	123	1000	163	818	161
Fodder	-	-	-	-	-	-	-	-
fruits & nuts	430	-	403	167	1000	12	44	10
other cash crops	-	-	1000	-	1000	3	12	3
Others	-	613	102	285	1000	2	7	2
all crops	66	197	638	99	1000	1415	2024	398

* *Note*

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crop group	area (per 1000 hectares) under five major crops treated with					estd. area under the crop (00 ha.)	no. of hhs. cultivating the crop using fertiliser	
	fertiliser only	manaure only	both manure & fertilisers	None	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Uttar Pradesh								
Paddy(*kharif*)	221	33	736	10	1000	60141	116536	4885
Paddy(*rabi*)	156	5	838	1	1000	1405	2500	110
Wheat	237	26	733	4	1000	94610	157778	6680
other cereals	271	101	589	40	1000	26849	58975	2211
Pulses	224	128	530	118	1000	18741	52024	1980
oil seeds	291	103	540	66	1000	8174	27600	840
mixed crop	174	168	517	141	1000	5079	10775	468
sugar cane	123	8	864	5	1000	14807	30375	1335
Vegetables	233	76	677	14	1000	5576	26331	1223
Fodder	280	66	561	92	1000	9734	36582	1574
fruits & nuts	286	69	402	242	1000	890	1892	86
other cash crops	171	67	757	4	1000	2629	5922	243
Others	111	22	844	24	1000	1721	5368	235
all crops	230	51	692	27	1000	250492	168667	7062
West Bengal								
Paddy(*kharif*)	198	17	754	31	1000	28359	51603	2458
Paddy(*rabi*)	348	24	623	4	1000	7499	19472	880
Wheat	246	4	741	10	1000	3067	10169	461
other cereals	174	185	617	24	1000	257	1153	53
Pulses	346	50	420	183	1000	680	2686	124
oil seeds	194	13	700	92	1000	1811	6966	322
mixed crop	56	409	90	444	1000	195	454	19
sugar cane	126	65	809	-	1000	124	607	28
Vegetables	292	40	654	13	1000	3929	17086	763
Fodder	24	-	964	11	1000	18	64	3
fruits & nuts	702	31	238	29	1000	252	1187	51
other cash crops	317	46	588	49	1000	3802	11169	507
Others	109	25	844	21	1000	769	2331	106
all crops	241	25	703	31	1000	50792	59426	2775

* *Note*

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Table 8: Cropwise per 1000 distribution of area under five major crops* by use of fertilisers and manure

crop group	area (per 1000 hectares) under five major crops treated with					estd. area under the crop (00 ha.)	no. of hhs. cultivating the crop using fertiliser	
	fertiliser only	manaure only	both manure & fertilisers	None	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
A. & N. Islands								
Paddy*(kharif)*	86	221	415	278	1000	109	55	46
Paddy*(rabi)*	-	-	1000	-	1000	0	0	1
wheat	-	-	-	-	-	-	-	-
other cereals	-	-	-	-	-	-	-	-
pulses	-	418	459	124	1000	12	29	27
oil seeds	-	-	-	-	-	-	-	-
mixed crop	-	-	-	-	-	-	-	-
sugar cane	-	-	-	-	-	-	-	-
vegetables	4	42	405	549	1000	17	29	22
fodder	-	-	-	-	-	-	-	-
fruits & nuts	-	-	-	-	-	-	-	-
other cash crops	-	-	-	-	-	-	-	-
others	-	-	-	-	-	-	-	-
all crops	68	215	418	298	1000	138	75	59
India								
Paddy*(kharif)*	169	112	656	63	1000	348071	436918	24178
Paddy*(rabi)*	206	44	686	65	1000	36284	56569	3217
wheat	264	51	667	18	1000	289342	352080	18801
other cereals	126	203	585	86	1000	229847	251742	14399
pulses	167	186	486	161	1000	113692	162648	8125
oilseeds	213	105	608	74	1000	127563	132768	6736
mixed crop	132	211	463	195	1000	49306	41840	2455
sugarcane	128	26	832	14	1000	29062	49495	2331
vegetables	165	154	605	76	1000	29845	113396	8599
fodder	191	133	538	138	1000	32133	82468	4963
fruits & nuts	111	137	595	156	1000	12150	30328	2033
other cash crops	189	54	725	32	1000	92959	92111	5128
others	151	82	504	263	1000	17715	26198	1716
all crops	185	117	625	73	1000	1408832	751277	42422

* *Note*

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2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 8.1: Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

crop group	per 1000 distribution of area treated with				estd. manure-treated area under the crop (00 ha.)	no. of hhs. reporting use of manure	
	compost	bio-gas slurry	other manure	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)
Andhra Pradesh							
Paddy(kharif)	611	34	354	1000	23190	27332	1285
Paddy(rabi)	681	8	311	1000	6530	7056	297
wheat	380	89	531	1000	241	227	12
other cereals	628	85	286	1000	7197	9056	461
pulses	546	54	400	1000	5173	6149	279
oil seeds	454	51	496	1000	11918	9019	426
mixed crop	167	67	766	1000	3939	2479	113
sugar cane	701	-	299	1000	1396	2043	93
vegetables	597	55	348	1000	1047	1962	99
fodder	596	100	305	1000	287	412	19
fruits & nuts	417	84	499	1000	1312	1223	57
other cash crops	565	67	368	1000	7226	7478	362
others	893	18	90	1000	1145	1157	55
all crops	561	47	392	1000	70660	47004	2227
Arunachal Pradesh							
Paddy(kharif)	-	-	1000	1000	56	157	59
Paddy(rabi)	-	-	1000	1000	1	4	2
wheat	851	-	149	1000	13	30	17
other cereals	641	-	359	1000	14	54	29
pulses	-	-	1000	1000	1	4	3
oil seeds	-	-	1000	1000	0	3	2
mixed crop	528	-	472	1000	8	69	34
sugar cane	-	-	-	-	-	-	-
vegetables	135	-	865	1000	26	187	85
fodder	-	-	-	-	-	-	-
fruits & nuts	-	-	1000	1000	2	8	5
other cash crops	135	-	865	1000	27	53	33
others	-	-	1000	1000	1	7	3
all crops	207	-	793	1000	150	263	120

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	compost	bio-gas slurry	other manure	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)
			Assam				
Paddy(kharif)	150	98	752	1000	10040	10096	851
Paddy(rabi)	180	10	810	1000	1440	1493	141
wheat	10	140	850	1000	713	1363	127
other cereals	32	-	968	1000	288	782	73
pulses	39	10	951	1000	448	1449	117
oil seeds	115	46	840	1000	324	939	83
mixed crop	-	-	1000	1000	29	130	12
sugar cane	623	77	300	1000	192	316	23
vegetables	131	23	845	1000	2444	11063	1018
fodder	730	-	270	1000	12	33	3
fruits & nuts	4	-	996	1000	36	302	28
other cash crops	105	12	883	1000	120	292	30
others	16	3	981	1000	471	1069	96
all crops	139	72	789	1000	16559	16653	1455
			Bihar				
Paddy(kharif)	429	7	564	1000	43978	51540	2639
Paddy(rabi)	585	-	415	1000	567	1098	49
wheat	340	8	652	1000	26770	41632	2121
other cereals	358	11	631	1000	5739	19381	941
pulses	369	1	630	1000	4902	17402	835
oil seeds	447	2	551	1000	1498	5379	274
mixed crop	690	8	301	1000	706	2185	120
sugar cane	140	10	849	1000	973	1674	95
vegetables	434	10	556	1000	2488	14389	730
fodder	249	-	751	1000	76	446	28
fruits & nuts	910	-	90	1000	135	396	20
other cash crops	579	-	421	1000	426	1467	80
others	525	-	475	1000	298	714	27
all crops	396	7	597	1000	88586	63666	3235

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Table 8.1: Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

crop group	per 1000 distribution of area treated with				estd. manure-treated area under the crop (00 ha.)	no. of hhs. reporting use of manure	
	compost	bio-gas slurry	other manure	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)
Gujarat							
Paddy(kharif)	601	44	355	1000	5292	6956	335
Paddy(rabi)	311	141	548	1000	541	849	37
wheat	433	70	497	1000	8151	9212	483
other cereals	357	62	581	1000	14807	17697	917
pulses	170	120	710	1000	3477	5167	278
oil seeds	411	23	565	1000	12496	7750	406
mixed crop	369	17	614	1000	3774	2405	119
sugar cane	833	41	126	1000	1796	1147	61
vegetables	437	78	485	1000	1191	1839	85
fodder	550	20	430	1000	2562	5400	277
fruits & nuts	301	179	520	1000	438	371	15
other cash crops	397	8	595	1000	13656	7522	389
others	467	-	533	1000	223	347	17
all crops	415	44	542	1000	68412	28778	1487
Haryana							
Paddy(kharif)	617	1	382	1000	4979	2610	121
Paddy(rabi)	220	-	780	1000	174	116	4
wheat	483	2	516	1000	9030	5369	266
other cereals	588	-	412	1000	2119	1780	93
pulses	175	-	825	1000	620	764	38
oil seeds	233	-	767	1000	1006	1233	65
mixed crop	-	-	1000	1000	96	97	4
sugar cane	756	-	244	1000	433	676	43
vegetables	518	-	482	1000	301	709	34
fodder	549	-	451	1000	1919	4015	185
fruits & nuts	-	-	-	-	-	-	-
other cash crops	504	-	496	1000	992	772	33
others	26	-	974	1000	762	515	22
all crops	495	1	504	1000	22431	7616	371

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	compost	bio-gas slurry	other manure	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)
Himachal Pradesh							
Paddy(kharif)	181	2	816	1000	644	2686	503
Paddy(rabi)	194	-	806	1000	11	59	11
wheat	358	3	639	1000	3545	8019	1504
other cereals	405	3	592	1000	2823	7233	1364
pulses	360	-	640	1000	130	832	160
oil seeds	382	10	609	1000	97	986	181
mixed crop	506	-	494	1000	27	101	20
sugar cane	234	-	766	1000	20	156	31
vegetables	499	1	499	1000	160	1686	323
fodder	280	11	710	1000	103	864	160
fruits & nuts	62	-	938	1000	398	600	105
other cash crops	698	-	302	1000	311	853	152
others	589	-	411	1000	118	515	97
all crops	364	3	633	1000	8388	8517	1593
Jammu & Kashmir							
Paddy(kharif)	393	2	605	1000	1869	4146	879
Paddy(rabi)	204	-	796	1000	43	104	22
wheat	554	-	446	1000	1922	2538	674
other cereals	311	2	687	1000	955	2064	477
pulses	355	0	644	1000	179	1206	239
oil seeds	217	1	782	1000	447	1856	341
mixed crop	236	-	764	1000	22	109	26
sugar cane	-	-	1000	1000	1	7	2
vegetables	140	2	857	1000	370	3255	626
fodder	543	1	456	1000	258	1741	415
fruits & nuts	327	0	673	1000	300	908	171
other cash crops	175	-	825	1000	34	86	13
others	826	-	174	1000	104	298	84
all crops	408	1	591	1000	6504	6797	1466

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	compost	bio-gas slurry	other manure	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)
Karnataka							
Paddy(kharif)	649	47	304	1000	8512	9766	441
Paddy(rabi)	581	-	419	1000	1489	1804	80
wheat	283	-	717	1000	1102	1316	55
other cereals	430	35	536	1000	27307	21940	980
pulses	274	54	671	1000	9586	8606	386
oil seeds	287	16	697	1000	10160	7588	322
mixed crop	316	6	678	1000	4920	4286	188
sugar cane	615	22	362	1000	1801	2354	103
vegetables	447	124	429	1000	1550	2642	118
fodder	167	50	783	1000	383	546	21
fruits & nuts	657	30	313	1000	1271	2601	119
other cash crops	472	14	514	1000	6476	6117	271
others	362	4	633	1000	715	1500	61
all crops	419	33	549	1000	75324	38128	1694
Kerala							
Paddy(kharif)	133	18	848	1000	822	2575	167
Paddy(rabi)	211	5	784	1000	438	1537	97
wheat	-	-	1000	1000	5	45	2
other cereals	32	-	968	1000	179	1041	62
pulses	-	1000	-	1000	7	18	1
oil seeds	345	22	633	1000	346	2524	160
mixed crop	291	57	652	1000	420	1941	130
sugar cane	-	-	1000	1000	10	83	6
vegetables	239	23	738	1000	234	5393	333
fodder	1000	-	-	1000	1	15	1
fruits & nuts	222	26	752	1000	1188	12952	796
other cash crops	308	55	637	1000	3003	10403	638
others	115	177	707	1000	262	3391	207
all crops	250	44	707	1000	6916	24650	1550

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 8.1: Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

crop group	per 1000 distribution of area treated with				estd. manure-treated area under the crop (00 ha.)	no. of hhs. reporting use of manure	
	compost	bio-gas slurry	other manure	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)
Madhya Pradesh							
Paddy(kharif)	567	42	391	1000	38553	31003	1558
Paddy(rabi)	572	49	379	1000	1150	1052	53
wheat	442	20	538	1000	35644	23841	1238
other cereals	478	7	515	1000	18251	14956	809
pulses	562	15	423	1000	14740	19414	999
oil seeds	433	44	522	1000	25892	17894	931
mixed crop	304	6	690	1000	4201	2949	162
sugar cane	476	147	377	1000	402	612	34
vegetables	436	16	548	1000	1708	4949	236
fodder	399	-	601	1000	456	1223	66
fruits & nuts	832	-	168	1000	119	76	5
other cash crops	653	49	298	1000	5107	3966	196
others	892	9	99	1000	790	756	36
all crops	497	29	474	1000	147042	56464	2936
Maharashtra							
Paddy(kharif)	686	6	308	1000	9170	12844	599
Paddy(rabi)	208	-	792	1000	237	392	19
wheat	636	29	335	1000	5671	7523	363
other cereals	740	13	247	1000	32268	25428	1192
pulses	769	18	213	1000	6156	9577	448
oil seeds	787	28	185	1000	4668	5414	247
mixed crop	304	-	696	1000	2761	1572	73
sugar cane	687	43	270	1000	2869	3391	159
vegetables	662	9	329	1000	1339	2823	140
fodder	638	8	354	1000	641	1328	61
fruits & nuts	751	53	196	1000	1582	1977	85
other cash crops	643	4	353	1000	14842	11029	505
others	883	-	117	1000	209	317	16
all crops	695	14	291	1000	82495	44159	2069

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 8.1: Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

crop group	per 1000 distribution of area treated with				estd. manure-treated area under the crop (00 ha.)	no. of hhs. reporting use of manure	
	compost	bio-gas slurry	other manure	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)
Manipur							
Paddy(kharif)	460	4	536	1000	688	994	327
Paddy(rabi)	-	-	1000	1000	5	5	2
wheat	1000	-	-	1000	0	2	1
other cereals	191	-	809	1000	8	71	29
pulses	11	12	977	1000	6	77	28
oil seeds	13	15	972	1000	5	49	18
mixed crop	496	23	481	1000	23	206	82
sugar cane	-	-	-	-	-	-	-
vegetables	197	23	779	1000	40	430	153
fodder	-	-	1000	1000	0	7	2
fruits & nuts	-	-	1000	1000	0	3	1
other cash crops	1000	-	-	1000	1	3	1
others	-	154	846	1000	1	46	14
all crops	442	6	553	1000	785	1095	357
Meghalaya							
Paddy(kharif)	478	8	514	1000	246	460	141
Paddy(rabi)	228	-	772	1000	45	98	26
wheat	517	-	483	1000	4	16	6
other cereals	58	-	942	1000	79	240	63
pulses	715	-	285	1000	3	43	16
oil seeds	-	-	-	-	-	-	-
mixed crop	150	-	850	1000	37	109	37
sugar cane	-	-	-	-	-	-	-
vegetables	124	2	874	1000	626	1477	438
fodder	-	-	-	-	-	-	-
fruits & nuts	106	-	894	1000	51	88	38
other cash crops	75	-	925	1000	16	45	15
others	290	16	694	1000	42	140	51
all crops	208	3	789	1000	1148	1699	503

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 8.1: Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

crop group	per 1000 distribution of area treated with				estd. manure-treated area under the crop (00 ha.)	no. of hhs. reporting use of manure	
	compost	bio-gas slurry	other manure	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)
			Mizoram				
Paddy(kharif)	-	101	899	1000	6	10	7
Paddy(rabi)	-	-	-	-	-	-	-
wheat	-	-	-	-	-	-	-
other cereals	-	1000	-	1000	0	1	2
pulses	-	-	-	-	-	-	-
oil seeds	-	-	-	-	-	-	-
mixed crop	-	-	-	-	-	-	-
sugar cane	-	-	1000	1000	2	2	1
vegetables	-	1000	-	1000	0	1	2
fodder	-	-	-	-	-	-	-
fruits & nuts	-	28	972	1000	5	8	8
other cash crops	-	102	898	1000	1	7	4
others	-	-	-	-	-	-	-
all crops	-	83	917	1000	14	26	16
			Nagaland				
Paddy(kharif)	484	-	516	1000	599	324	357
Paddy(rabi)	67	46	887	1000	89	116	103
wheat	277	-	723	1000	2	3	3
other cereals	167	4	829	1000	71	206	211
pulses	400	-	600	1000	10	54	62
oil seeds	-	-	1000	1000	6	27	13
mixed crop	734	-	266	1000	95	158	170
sugar cane	-	-	-	-	-	-	-
vegetables	603	7	390	1000	148	312	305
fodder	-	-	1000	1000	3	24	16
fruits & nuts	-	-	1000	1000	0	2	3
other cash crops	753	15	233	1000	71	75	67
others	843	11	145	1000	92	100	114
all crops	513	6	481	1000	1195	520	528

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 8.1: Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

crop group	per 1000 distribution of area treated with				estd. manure-treated area under the crop (00 ha.)	no. of hhs. reporting use of manure	
	compost	bio-gas slurry	other manure	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)
			Orissa				
Paddy(kharif)	476	19	505	1000	28176	33886	1812
Paddy(rabi)	456	3	541	1000	1107	2274	129
wheat	487	-	513	1000	59	249	13
other cereals	765	-	235	1000	640	2662	147
pulses	510	2	488	1000	2327	4542	243
oil seeds	568	-	432	1000	325	1691	97
mixed crop	958	-	42	1000	16	90	4
sugar cane	78	-	922	1000	51	301	16
vegetables	525	14	461	1000	483	4436	236
fodder	-	-	-	-	-	-	-
fruits & nuts	695	-	305	1000	53	321	21
other cash crops	29	50	921	1000	295	438	20
others	23	-	977	1000	17	68	4
all crops	481	17	502	1000	33552	35265	1893
			Punjab				
Paddy(kharif)	453	4	544	1000	11343	5404	472
Paddy(rabi)	637	27	336	1000	517	273	24
wheat	420	4	576	1000	14491	6780	600
other cereals	853	23	124	1000	656	766	74
pulses	568	-	432	1000	89	147	13
oil seeds	405	-	595	1000	177	358	34
mixed crop	672	-	328	1000	24	59	5
sugar cane	485	-	515	1000	147	287	27
vegetables	127	56	817	1000	315	266	24
fodder	469	7	524	1000	4205	8199	715
fruits & nuts	1000	-	-	1000	146	32	1
other cash crops	224	6	771	1000	2115	1103	93
others	104	2	894	1000	369	145	12
all crops	433	5	561	1000	34597	8761	766

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 8.1: Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

crop group	per 1000 distribution of area treated with				estd. manure-treated area under the crop (00 ha.)	no. of hhs. reporting use of manure	
	compost	bio-gas slurry	other manure	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)
			Rajasthan				
Paddy(kharif)	510	-	490	1000	922	2171	103
Paddy(rabi)	56	26	919	1000	282	239	12
wheat	404	35	561	1000	26248	23320	1267
other cereals	426	21	553	1000	44556	30650	1685
pulses	400	10	591	1000	14740	11103	619
oil seeds	359	25	616	1000	13236	11759	664
mixed crop	332	4	663	1000	7925	5647	286
sugar cane	116	-	884	1000	408	622	32
vegetables	213	-	787	1000	320	837	53
fodder	302	7	690	1000	4159	5968	347
fruits & nuts	681	-	319	1000	83	86	5
other cash crops	407	2	591	1000	10529	5285	305
others	405	-	595	1000	1926	2512	137
all crops	398	19	583	1000	125362	40532	2205
			Sikkim				
Paddy(kharif)	564	-	436	1000	49	119	137
Paddy(rabi)	759	-	241	1000	1	11	11
wheat	565	-	435	1000	7	39	43
other cereals	794	0	206	1000	179	520	596
pulses	943	-	57	1000	9	60	70
oil seeds	704	-	296	1000	3	16	16
mixed crop	693	-	307	1000	1	13	15
sugar cane	-	-	-	-	-	-	-
vegetables	732	-	268	1000	65	516	594
fodder	765	27	208	1000	5	39	44
fruits & nuts	937	-	63	1000	4	22	25
other cash crops	801	-	199	1000	46	208	225
others	872	-	128	1000	1	4	5
all crops	753	0	246	1000	371	575	666

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 8.1: Cropwise per 1000 distribution of manure-treated area under five major crops* sown by households by type of manure

crop group	per 1000 distribution of area treated with				estd. manure-treated area under the crop (00 ha.)	no. of hhs. reporting use of manure	
	compost	bio-gas slurry	other manure	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)
			Tamil Nadu				
Paddy(kharif)	425	19	555	1000	9158	13188	744
Paddy(rabi)	637	8	355	1000	5384	8015	438
wheat	510	-	490	1000	72	119	6
other cereals	459	14	527	1000	4254	5139	280
pulses	86	2	912	1000	1090	1364	81
oil seeds	285	15	700	1000	1790	2606	153
mixed crop	224	-	776	1000	590	642	35
sugar cane	655	14	331	1000	1392	1668	78
vegetables	244	-	756	1000	698	1825	94
fodder	494	60	446	1000	292	767	41
fruits & nuts	226	1	773	1000	1211	2460	150
other cash crops	407	29	563	1000	2514	3878	214
others	507	-	493	1000	687	1002	57
all crops	443	14	542	1000	29138	28946	1597
			Tripura				
Paddy(kharif)	254	158	588	1000	627	1235	242
Paddy(rabi)	248	162	589	1000	359	815	172
wheat	160	41	799	1000	54	119	16
other cereals	-	-	1000	1000	2	5	1
pulses	-	-	-	-	-	-	-
oil seeds	-	-	-	-	-	-	-
mixed crop	-	-	-	-	-	-	-
sugar cane	-	-	-	-	-	-	-
vegetables	296	507	197	1000	130	636	132
fodder	-	-	-	-	-	-	-
fruits & nuts	148	159	693	1000	5	31	7
other cash crops	192	-	808	1000	3	12	3
others	-	143	857	1000	1	7	2
all crops	251	192	557	1000	1181	1830	363

* *Note*

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2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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crop group	per 1000 distribution of area treated with				estd. manure-treated area under the crop (00 ha.)	no. of hhs. reporting use of manure	
	compost	bio-gas slurry	other manure	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)
			Uttar Pradesh				
Paddy(kharif)	623	10	367	1000	46210	88910	3696
Paddy(rabi)	615	-	385	1000	1184	1914	85
wheat	593	7	400	1000	71785	118973	4999
other cereals	593	4	403	1000	18504	44082	1607
pulses	502	5	492	1000	12326	41735	1567
oil seeds	646	2	352	1000	5255	22691	634
mixed crop	649	7	343	1000	3479	8202	368
sugar cane	684	8	308	1000	12913	25546	1129
vegetables	707	4	290	1000	4196	20885	1007
fodder	669	4	327	1000	6110	24773	1100
fruits & nuts	680	-	320	1000	420	1294	62
other cash crops	742	0	258	1000	2168	5188	217
others	780	34	186	1000	1490	4615	202
all crops	612	7	381	1000	186128	137303	5790
			West Bengal				
Paddy(kharif)	610	9	381	1000	21873	37169	1800
Paddy(rabi)	637	14	350	1000	4857	11520	535
wheat	535	28	438	1000	2285	7977	359
other cereals	419	42	539	1000	206	964	45
pulses	653	-	347	1000	320	1746	74
oil seeds	586	23	391	1000	1292	5111	240
mixed crop	50	-	950	1000	98	430	18
sugar cane	306	32	662	1000	109	463	22
vegetables	650	10	340	1000	2729	12153	564
fodder	1000	-	-	1000	18	33	2
fruits & nuts	826	-	174	1000	68	479	24
other cash crops	583	3	414	1000	2411	7207	332
others	658	-	342	1000	668	1831	82
all crops	608	11	381	1000	36952	44241	2126

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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crop group	per 1000 distribution of area treated with				estd. manure-treated area under the crop (00 ha.)	no. of hhs. reporting use of manure	
	compost	bio-gas slurry	other manure	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)
A. & N. Islands							
Paddy(kharif)	473	58	469	1000	69	49	42
Paddy(rabi)	1000	-	-	1000	0	0	1
wheat	-	-	-	-	-	-	-
other cereals	-	-	-	-	-	-	-
pulses	262	-	738	1000	10	29	27
oil seeds	-	-	-	-	-	-	-
mixed crop	-	-	-	-	-	-	-
sugar cane	-	-	-	-	-	-	-
vegetables	335	-	665	1000	8	27	19
fodder	-	-	-	-	-	-	-
fruits & nuts	-	-	-	-	-	-	-
other cash crops	-	-	-	-	-	-	-
others	-	-	-	-	-	-	-
all crops	438	46	516	1000	87	68	59
India							
Paddy(kharif)	530	22	448	1000	267390	346212	19437
Paddy(rabi)	572	15	413	1000	26463	40903	2362
wheat	480	16	504	1000	207870	258788	14184
other cereals	508	23	468	1000	181134	206868	12178
pulses	455	23	522	1000	76359	131564	6600
oil seeds	431	30	538	1000	90945	104901	5309
mixed crop	347	14	639	1000	33190	33877	2021
sugar cane	651	18	331	1000	24928	41357	1957
vegetables	476	27	497	1000	22644	94724	7461
fodder	509	10	481	1000	21547	55880	3515
fruits & nuts	476	39	485	1000	8905	26340	1774
other cash crops	501	18	481	1000	72395	73507	4201
others	529	13	458	1000	10393	21055	1401
all crops	496	21	483	1000	1044592	644297	37227

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 9: Cropwise per 1000 distribution of area under five major crops* sown by households by use of pesticides, etc. and weedicides**

crop group	per 1000 distribution of area treated with					estd. area under the crop (00 ha.)	no. of hhs. cultivating the crop using pesticides	
	weedicides only	pesticides, etc. only	both	none	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Andhra Pradesh								
Paddy(kharif)	8	589	299	104	1000	25215	26564	1239
Paddy(rabi)	1	588	284	127	1000	8145	7687	316
wheat	74	525	199	202	1000	292	207	11
other cereals	11	611	149	228	1000	8705	8371	412
pulses	6	515	258	221	1000	7051	6256	280
oil seeds	2	665	111	222	1000	13035	6658	312
mixed crop	-	672	78	250	1000	4407	1809	85
sugar cane	31	689	192	88	1000	1686	2160	97
vegetables	19	654	234	93	1000	1109	1891	101
fodder	42	343	6	610	1000	720	465	23
fruits & nuts	-	539	249	212	1000	1728	996	46
other cash crops	8	722	150	119	1000	8384	7249	348
others	-	669	92	239	1000	1629	1112	52
all crops	7	615	210	168	1000	82260	43882	2057
Arunachal Pradesh								
Paddy(kharif)	5	183	64	747	1000	626	196	127
Paddy(rabi)	-	359	-	641	1000	126	37	11
wheat	-	933	-	67	1000	38	68	34
other cereals	-	281	0	719	1000	119	176	107
pulses	-	509	1	490	1000	27	108	69
oil seeds	-	298	-	702	1000	9	19	15
mixed crop	3	79	1	917	1000	137	110	69
sugar cane	263	-	263	474	1000	0	2	2
vegetables	-	274	3	723	1000	93	186	112
fodder	-	-	-	1000	1000	0	-	-
fruits & nuts	-	346	21	633	1000	11	26	20
other cash crops	-	127	-	873	1000	33	30	20
others	1	173	15	812	1000	36	13	7
all crops	3	233	33	731	1000	1266	323	192

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

** "Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides "covers" weedicides only.

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Assam								
Paddy(kharif)	15	179	99	708	1000	18424	6621	572
Paddy(rabi)	26	165	47	762	1000	3931	1202	115
wheat	18	212	331	439	1000	1039	1583	141
other cereals	60	105	346	489	1000	329	454	38
pulses	12	136	75	777	1000	1190	1311	104
oil seeds	31	220	322	427	1000	571	1174	91
mixed crop	-	791	107	103	1000	31	132	13
sugar cane	19	462	105	414	1000	357	327	25
vegetables	18	217	128	637	1000	3612	6284	560
fodder	-	204	-	796	1000	45	14	1
fruits & nuts	26	143	8	823	1000	96	88	9
other cash crops	-	4	149	846	1000	135	74	6
others	40	173	344	443	1000	854	1623	137
all crops	18	184	116	682	1000	30618	9891	874
Bihar								
Paddy(kharif)	40	321	145	494	1000	65258	35731	1785
Paddy(rabi)	9	307	113	570	1000	1383	1245	54
wheat	47	371	202	380	1000	39556	32078	1612
other cereals	12	360	54	574	1000	8585	10566	487
pulses	20	260	100	619	1000	9398	10012	469
oil seeds	41	238	99	622	1000	2360	2498	123
mixed crop	18	239	86	656	1000	1488	1935	105
sugar cane	1	219	92	688	1000	1011	446	24
vegetables	12	540	60	388	1000	3282	10166	515
fodder	7	294	4	695	1000	242	425	27
fruits & nuts	-	608	166	226	1000	177	355	18
other cash crops	2	213	105	679	1000	1250	1153	57
others	-	413	11	575	1000	340	357	7
all crops	37	335	148	481	1000	134585	44159	2201

* *Note*

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Gujarat								
Paddy(kharif)	3	440	158	399	1000	5643	4143	201
Paddy(rabi)	-	562	320	118	1000	541	754	34
wheat	7	439	244	310	1000	9146	6570	333
other cereals	2	455	226	317	1000	15927	12163	616
pulses	3	524	203	270	1000	3863	4031	215
oil seeds	5	481	435	79	1000	13428	7624	393
mixed crop	-	592	189	220	1000	4023	1621	79
sugar cane	7	266	655	72	1000	1848	1060	57
vegetables	6	750	137	106	1000	1239	1586	74
fodder	5	272	213	511	1000	3163	3445	176
fruits & nuts	-	849	86	65	1000	462	362	15
other cash crops	4	426	423	147	1000	14152	6533	340
others	-	300	203	497	1000	338	318	15
all crops	4	457	304	235	1000	73780	22296	1144
Haryana								
Paddy(kharif)	21	101	871	8	1000	8077	4550	205
Paddy(rabi)	166	-	834	-	1000	174	116	4
wheat	199	56	533	212	1000	16092	7364	354
other cereals	71	19	152	759	1000	3717	696	42
pulses	78	44	186	692	1000	2000	702	36
oil seeds	46	159	156	640	1000	2868	1026	59
mixed crop	-	-	1000	-	1000	96	97	4
sugar cane	-	428	332	240	1000	592	587	31
vegetables	-	254	667	79	1000	341	709	34
fodder	43	43	232	682	1000	3898	2440	114
fruits & nuts	-	-	-	-	-	-	-	-
other cash crops	85	247	552	116	1000	2506	1564	65
others	18	9	791	182	1000	1729	769	33
all crops	103	83	506	308	1000	42089	8534	404

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	weedicides only	pesticides, etc. only	both	none	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Himachal Pradesh								
Paddy(kharif)	43	64	165	728	1000	655	626	109
Paddy(rabi)	-	53	-	947	1000	11	7	1
wheat	27	44	42	887	1000	3634	891	157
other cereals	23	19	16	942	1000	2881	552	97
pulses	-	64	5	931	1000	139	24	5
oil seeds	20	21	28	931	1000	98	68	13
mixed crop	8	166	-	826	1000	27	16	3
sugar cane	100	601	-	298	1000	22	30	6
vegetables	8	339	41	612	1000	162	514	99
fodder	-	29	25	946	1000	105	97	17
fruits & nuts	-	543	413	44	1000	413	549	96
other cash crops	41	643	35	281	1000	317	527	99
others	-	82	37	881	1000	122	81	16
all crops	25	91	59	825	1000	8587	2025	367
Jammu & Kashmir								
Paddy(kharif)	116	148	251	484	1000	2191	2196	482
Paddy(rabi)	42	245	146	567	1000	56	127	17
wheat	55	156	114	675	1000	2010	710	224
other cereals	9	78	28	885	1000	985	251	67
pulses	8	206	30	755	1000	193	231	63
oil seeds	24	127	165	683	1000	642	824	127
mixed crop	-	110	93	797	1000	23	25	8
sugar cane	-	-	849	151	1000	11	28	10
vegetables	12	163	134	691	1000	424	1338	220
fodder	57	86	167	691	1000	342	517	150
fruits & nuts	5	562	263	169	1000	500	1205	214
other cash crops	-	730	-	270	1000	34	68	9
others	26	9	61	903	1000	135	34	12
all crops	56	167	158	619	1000	7547	3443	705

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	weedicides only	pesticides, etc. only	both	none	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Karnataka								
Paddy(kharif)	15	287	473	225	1000	9279	7874	363
Paddy(rabi)	7	663	206	125	1000	1707	1679	75
wheat	90	216	39	655	1000	1374	462	19
other cereals	29	236	183	552	1000	34052	13016	587
pulses	17	596	80	307	1000	11180	6574	291
oil seeds	41	449	127	383	1000	13590	5729	242
mixed crop	46	435	195	324	1000	5374	3087	139
sugar cane	105	220	181	494	1000	2123	1404	61
vegetables	48	234	494	224	1000	1666	2037	94
fodder	4	113	86	797	1000	572	196	8
fruits & nuts	2	391	79	528	1000	1608	1230	55
other cash crops	10	471	189	331	1000	7099	4928	225
others	44	271	386	300	1000	919	1284	55
all crops	30	357	196	417	1000	90596	29112	1304
Kerala								
Paddy(kharif)	14	305	445	235	1000	1367	2795	179
Paddy(rabi)	22	433	399	146	1000	517	1532	97
wheat	-	-	-	1000	1000	5	-	-
other cereals	16	224	354	406	1000	216	283	18
pulses	-	557	-	443	1000	25	17	1
oil seeds	127	105	7	761	1000	488	754	53
mixed crop	34	239	54	672	1000	480	592	41
sugar cane	-	-	-	1000	1000	10	-	-
vegetables	8	186	22	785	1000	263	1136	69
fodder	-	-	-	1000	1000	3	-	-
fruits & nuts	7	147	21	825	1000	1585	2183	142
other cash crops	6	287	54	653	1000	4241	2704	168
others	6	148	42	804	1000	393	667	42
all crops	16	253	126	605	1000	9599	8123	523

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	weedicides only	pesticides, etc. only	both	none	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Madhya Pradesh								
Paddy(kharif)	18	205	130	648	1000	50255	11975	621
Paddy(rabi)	91	362	180	367	1000	1299	716	37
wheat	22	176	212	590	1000	55564	12038	644
other cereals	24	184	107	685	1000	21844	4677	241
pulses	9	211	133	647	1000	23033	7402	394
oil seeds	21	193	276	510	1000	41323	9130	485
mixed crop	15	149	115	720	1000	8529	1541	87
sugar cane	-	205	243	553	1000	527	314	17
vegetables	8	303	122	567	1000	2327	1689	71
fodder	28	100	50	822	1000	1247	556	30
fruits & nuts	-	111	601	288	1000	165	30	2
other cash crops	26	426	216	333	1000	5995	3064	163
others	-	84	22	894	1000	1842	227	10
all crops	19	198	179	604	1000	213999	28751	1516
Maharashtra								
Paddy(kharif)	13	283	122	582	1000	11884	6519	271
Paddy(rabi)	-	43	-	957	1000	292	102	5
wheat	58	380	113	449	1000	7973	5120	247
other cereals	35	232	63	671	1000	42767	12622	588
pulses	28	428	43	501	1000	11002	7312	340
oil seeds	34	245	194	528	1000	6977	3089	137
mixed crop	61	822	35	83	1000	4585	2180	109
sugar cane	69	245	238	449	1000	3375	2163	101
vegetables	22	444	284	250	1000	1911	2913	140
fodder	184	28	146	642	1000	909	452	19
fruits & nuts	1	285	479	235	1000	1781	1594	69
other cash crops	5	777	79	139	1000	19732	12528	568
others	-	339	175	487	1000	693	357	16
all crops	31	389	97	484	1000	113969	30267	1382

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	weedicides only	pesticides, etc. only	both	none	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Manipur								
Paddy(kharif)	2	478	207	312	1000	1035	941	318
Paddy(rabi)	-	300	276	424	1000	283	183	50
wheat	-	1000	-	-	1000	0	2	1
other cereals	-	380	208	412	1000	13	37	14
pulses	-	606	-	394	1000	21	64	16
oil seeds	-	24	29	947	1000	6	10	3
mixed crop	-	168	254	578	1000	45	142	56
sugar cane	-	-	-	-	-	-	-	-
vegetables	-	122	126	753	1000	113	176	64
fodder	-	-	-	1000	1000	1	-	-
fruits & nuts	-	-	10	990	1000	5	1	1
other cash crops	-	-	217	783	1000	5	7	1
others	-	20	25	955	1000	26	36	5
all crops	2	396	206	396	1000	1566	1158	376
Meghalaya								
Paddy(kharif)	12	297	84	607	1000	1313	645	164
Paddy(rabi)	-	74	-	926	1000	94	16	5
wheat	-	588	-	412	1000	5	7	2
other cereals	-	12	-	988	1000	169	4	1
pulses	-	55	-	945	1000	6	3	1
oil seeds	-	-	-	1000	1000	4	-	-
mixed crop	-	9	-	991	1000	222	4	1
sugar cane	-	-	-	-	-	-	-	-
vegetables	-	88	197	714	1000	898	431	147
fodder	-	-	-	1000	1000	1	-	-
fruits & nuts	20	10	91	880	1000	234	47	21
other cash crops	-	9	28	963	1000	102	8	3
others	2	32	2	964	1000	123	14	5
all crops	6	155	98	741	1000	3171	943	269

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	weedicides only	pesticides, etc. only	both	none	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Mizoram								
Paddy(kharif)	9	5	-	987	1000	219	6	3
Paddy(rabi)	-	-	-	1000	1000	29	-	-
wheat	-	-	-	-	-	-	-	-
other cereals	-	30	-	970	1000	8	3	2
pulses	-	10	-	990	1000	16	3	3
oil seeds	-	-	-	1000	1000	0	-	-
mixed crop	-	2	-	998	1000	125	3	2
sugar cane	-	-	-	1000	1000	6	-	-
vegetables	-	-	-	1000	1000	46	-	-
fodder	-	-	-	1000	1000	0	-	-
fruits & nuts	-	624	-	376	1000	12	9	8
other cash crops	-	41	-	959	1000	28	3	2
others	-	-	-	1000	1000	18	-	-
all crops	4	20	-	977	1000	508	15	12
Nagaland								
Paddy(kharif)	216	68	111	605	1000	978	145	159
Paddy(rabi)	84	121	11	784	1000	363	68	52
wheat	60	88	308	543	1000	8	5	3
other cereals	11	71	17	901	1000	160	50	40
pulses	62	6	562	369	1000	46	23	22
oil seeds	-	206	372	422	1000	12	15	8
mixed crop	365	72	208	356	1000	141	107	106
sugar cane	-	-	-	-	-	-	-	-
vegetables	284	33	100	583	1000	254	166	169
fodder	305	-	-	695	1000	8	7	9
fruits & nuts	-	-	-	1000	1000	2	-	-
other cash crops	407	10	296	287	1000	101	66	63
others	647	19	150	184	1000	107	85	94
all crops	226	67	113	594	1000	2190	239	236

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	weedicides only	pesticides, etc. only	both	none	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Orissa								
Paddy(kharif)	9	215	115	660	1000	30778	11964	685
Paddy(rabi)	3	412	470	116	1000	1290	2405	138
wheat	-	193	-	807	1000	73	97	5
other cereals	30	40	143	787	1000	1177	424	25
pulses	2	189	185	624	1000	3367	1969	111
oil seeds	32	85	41	841	1000	439	295	18
mixed crop	-	968	-	32	1000	16	64	3
sugar cane	-	600	-	400	1000	58	75	5
vegetables	8	248	201	543	1000	647	1971	108
fodder	-	-	-	1000	1000	4	-	-
fruits & nuts	-	423	389	188	1000	66	145	9
other cash crops	-	158	694	148	1000	317	248	12
others	-	-	-	1000	1000	42	-	-
all crops	9	214	140	638	1000	38276	13886	791
Punjab								
Paddy(kharif)	6	93	881	20	1000	14095	6567	563
Paddy(rabi)	336	59	572	33	1000	571	268	23
wheat	74	129	756	41	1000	21703	8718	745
other cereals	168	111	405	316	1000	730	499	48
pulses	-	227	432	340	1000	89	91	8
oil seeds	-	67	837	96	1000	199	355	32
mixed crop	-	623	200	177	1000	24	34	3
sugar cane	21	237	653	88	1000	189	322	29
vegetables	-	451	549	-	1000	324	288	26
fodder	20	242	319	419	1000	4913	5283	442
fruits & nuts	-	-	1000	-	1000	146	32	1
other cash crops	3	162	822	13	1000	6573	2179	175
others	25	15	193	767	1000	374	96	8
all crops	43	135	744	78	1000	49942	9193	789

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	weedicides only	pesticides, etc. only	both	none	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Rajasthan								
Paddy(kharif)	50	434	17	499	1000	1259	467	19
Paddy(rabi)	-	588	239	173	1000	285	134	7
wheat	49	241	137	573	1000	32952	9847	537
other cereals	9	84	78	829	1000	54819	6880	363
pulses	18	105	31	845	1000	19670	2464	130
oil seeds	46	274	84	596	1000	19110	5786	311
mixed crop	3	11	2	985	1000	13654	393	20
sugar cane	3	346	79	572	1000	582	361	20
vegetables	57	437	305	201	1000	403	661	43
fodder	3	182	8	807	1000	5670	2053	112
fruits & nuts	255	-	-	745	1000	83	40	2
other cash crops	25	675	37	263	1000	12265	4003	222
others	17	37	140	806	1000	4638	916	50
all crops	24	185	75	716	1000	165418	15380	820
Sikkim								
Paddy(kharif)	-	63	1	935	1000	63	11	10
Paddy(rabi)	-	-	-	1000	1000	2	-	-
wheat	-	41	-	959	1000	8	4	4
other cereals	-	2	0	998	1000	189	3	3
pulses	-	-	-	1000	1000	10	-	-
oil seeds	-	109	-	891	1000	3	2	2
mixed crop	-	-	-	1000	1000	1	-	-
sugar cane	-	-	-	1000	1000	0	-	-
vegetables	-	105	-	895	1000	66	14	15
fodder	-	-	-	1000	1000	11	-	-
fruits & nuts	-	-	-	1000	1000	5	-	-
other cash crops	7	27	37	928	1000	78	14	14
others	-	-	-	1000	1000	3	-	-
all crops	1	32	7	960	1000	438	33	33

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

** "Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides "covers" weedicides only.

Table 9: Cropwise per 1000 distribution of area under five major crops* sown by households by use of pesticides, etc. and weedicides**

crop group	per 1000 distribution of area treated with					estd. area under the crop (00 ha.)	no. of hhs. cultivating the crop using pesticides	
	weedicides only	pesticides, etc. only	both	none	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Tamil Nadu								
Paddy(kharif)	8	350	608	34	1000	9711	13733	775
Paddy(rabi)	7	312	659	21	1000	5861	8870	481
wheat	-	434	91	475	1000	81	90	6
other cereals	49	258	459	234	1000	5316	5163	286
pulses	7	516	186	291	1000	1920	1783	107
oil seeds	9	442	286	263	1000	2413	2750	156
mixed crop	-	398	552	50	1000	596	491	27
sugar cane	-	190	721	89	1000	1720	1918	90
vegetables	3	368	417	212	1000	947	1737	90
fodder	33	93	380	494	1000	462	806	45
fruits & nuts	65	172	207	556	1000	1796	1724	104
other cash crops	8	525	362	105	1000	3178	4312	240
others	21	245	400	334	1000	855	929	52
all crops	17	340	495	148	1000	34863	29183	1612
Tripura								
Paddy(kharif)	15	200	524	261	1000	766	1158	213
Paddy(rabi)	27	202	458	313	1000	404	627	123
wheat	9	49	943	-	1000	57	124	17
other cereals	-	-	-	1000	1000	2	-	-
pulses	-	-	-	-	-	-	-	-
oil seeds	-	-	-	-	-	-	-	-
mixed crop	-	-	-	1000	1000	5	-	-
sugar cane	-	-	-	-	-	-	-	-
vegetables	43	146	529	282	1000	163	549	110
fodder	-	-	-	-	-	-	-	-
fruits & nuts	-	30	476	494	1000	12	22	5
other cash crops	-	-	192	808	1000	3	3	1
others	-	-	102	898	1000	2	4	1
all crops	21	186	518	275	1000	1415	1675	316

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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crop group	per 1000 distribution of area treated with					estd. area under the crop (00 ha.)	no. of hhs. cultivating the crop using pesticides	
	weedicides only	pesticides, etc. only	both	none	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Uttar Pradesh								
Paddy(kharif)	50	174	165	610	1000	60141	34750	1571
Paddy(rabi)	116	95	289	500	1000	1405	755	34
wheat	51	145	128	677	1000	94610	38591	1751
other cereals	39	88	40	833	1000	26849	8034	372
pulses	7	180	108	705	1000	18741	9858	468
oil seeds	17	164	56	763	1000	8174	3838	177
mixed crop	27	113	84	776	1000	5079	2224	107
sugar cane	40	189	208	563	1000	14807	9917	445
vegetables	28	367	113	492	1000	5576	9534	445
fodder	22	103	79	796	1000	9734	6303	274
fruits & nuts	24	344	64	568	1000	890	880	41
other cash crops	47	269	162	522	1000	2629	2550	105
others	34	115	127	723	1000	1721	1376	63
all crops	42	156	126	676	1000	250492	54913	2497
West Bengal								
Paddy(kharif)	17	616	249	118	1000	28359	45496	2164
Paddy(rabi)	38	541	311	110	1000	7499	17401	787
wheat	2	720	149	129	1000	3067	7961	368
other cereals	28	534	146	292	1000	257	631	30
pulses	103	460	72	365	1000	680	1952	93
oil seeds	4	525	262	209	1000	1811	5599	261
mixed crop	72	248	29	651	1000	195	330	16
sugar cane	-	554	186	260	1000	124	447	20
vegetables	6	624	248	123	1000	3929	14254	644
fodder	-	989	-	11	1000	18	36	3
fruits & nuts	-	618	306	76	1000	252	1064	45
other cash crops	40	505	123	332	1000	3802	8540	395
others	-	767	153	80	1000	769	2004	93
all crops	21	598	238	143	1000	50792	53072	2505

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

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Table 9: Cropwise per 1000 distribution of area under five major crops* sown by households by use of pesticides, etc. and weedicides**

crop group	per 1000 distribution of area treated with					estd. area under the crop (00 ha.)	no. of hhs. cultivating the crop using pesticides	
	weedicides only	pesticides, etc. only	both	none	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
A. & N. Islands								
Paddy(kharif)	3	120	329	549	1000	109	35	31
Paddy(rabi)	-	-	-	1000	1000	0	-	-
wheat	-	-	-	-	-	-	-	-
other cereals	-	-	-	-	-	-	-	-
pulses	-	290	-	710	1000	12	19	14
oil seeds	-	-	-	-	-	-	-	-
mixed crop	-	-	-	-	-	-	-	-
sugar cane	-	-	-	-	-	-	-	-
vegetables	2	174	686	138	1000	17	32	20
fodder	-	-	-	-	-	-	-	-
fruits & nuts	-	-	-	-	-	-	-	-
other cash crops	-	-	-	-	-	-	-	-
others	-	-	-	-	-	-	-	-
all crops	2	140	345	512	1000	138	55	42
India								
Paddy(kharif)	26	289	231	454	1000	348071	226054	12903
Paddy(rabi)	28	414	321	236	1000	36284	46002	2480
wheat	53	208	228	511	1000	289342	132591	7223
other cereals	24	203	112	661	1000	229847	85595	4497
pulses	15	282	107	596	1000	113692	62225	3244
oil seeds	25	320	205	450	1000	127563	57243	3018
mixed crop	19	290	89	602	1000	49306	16937	1083
sugar cane	39	247	265	449	1000	29062	21568	1042
vegetables	19	399	195	387	1000	29845	60291	3983
fodder	24	153	138	685	1000	32133	23111	1457
fruits & nuts	15	343	217	425	1000	12150	12625	934
other cash crops	15	531	230	225	1000	92959	62381	3305
others	20	191	217	572	1000	17715	12302	773
all crops	29	277	193	500	1000	1408832	410999	23063

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

** "Pesticides, etc." covers pesticides, insecticides, fungicides, etc. but weedicides "covers" weedicides only.

Table 10: Per 1000 distribution of field-crop cultivator households by mode of harvesting for each size-class of household ownership holding

size-class of ownership holding (ha)	using machines				all	no. of field-crop cultivator hhs	
	manual only	owned only	hired only	both		est.(00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Andhra Pradesh							
nil (<0.01)	997	-	3	-	1000	816	35
00.01 - 00.20	946	19	35	-	1000	4366	203
00.21 - 00.50	942	4	55	-	1000	12989	627
00.51 - 01.00	954	11	35	-	1000	12848	596
01.01 - 02.00	961	8	31	-	1000	10837	499
02.01 - 04.00	966	-	34	-	1000	7035	347
04.01 - 10.00	944	14	42	-	1000	3455	164
10.01 & above	1000	-	-	-	1000	495	25
all	954	8	39	-	1000	52840	2496
Arunachal Pradesh							
nil (<0.01)	974	26	-	-	1000	203	70
00.01 - 00.20	956	44	-	-	1000	79	34
00.21 - 00.50	848	111	41	-	1000	190	81
00.51 - 01.00	988	12	-	-	1000	221	108
01.01 - 02.00	994	6	-	-	1000	292	125
02.01 - 04.00	1000	-	-	-	1000	165	90
04.01 - 10.00	993	7	-	-	1000	161	86
10.01 & above	1000	-	-	-	1000	11	8
all	967	27	6	-	1000	1321	602
Assam							
nil (<0.01)	993	7	-	-	1000	552	63
00.01 - 00.20	999	1	-	-	1000	3132	307
00.21 - 00.50	952	41	7	-	1000	4041	432
00.51 - 01.00	959	41	-	-	1000	6940	603
01.01 - 02.00	979	21	-	-	1000	6968	582
02.01 - 04.00	942	24	34	-	1000	2536	205
04.01 - 10.00	928	-	72	-	1000	520	42
10.01 & above	-	-	-	-	-	-	-
all	967	27	6	-	1000	24689	2234

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	manual only	owned only	hired only	both		est.(00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Bihar				
nil (<0.01)	973	27	-	-	1000	3743	197
00.01 - 00.20	994	5	1	-	1000	19828	1015
00.21 - 00.50	992	6	2	-	1000	23571	1234
00.51 - 01.00	994	4	3	-	1000	20184	976
01.01 - 02.00	982	9	9	-	1000	15932	781
02.01 - 04.00	983	2	14	-	1000	6811	331
04.01 - 10.00	979	10	10	-	1000	2313	111
10.01 & above	897	57	46	-	1000	278	14
all	989	7	4	-	1000	92660	4659
			Gujarat				
nil (<0.01)	1000	-	-	-	1000	151	5
00.01 - 00.20	981	-	19	-	1000	1224	68
00.21 - 00.50	965	2	33	-	1000	7372	382
00.51 - 01.00	962	9	28	-	1000	5864	287
01.01 - 02.00	923	44	33	-	1000	6566	338
02.01 - 04.00	923	22	52	4	1000	5532	282
04.01 - 10.00	899	27	74	-	1000	3742	200
10.01 & above	842	76	82	-	1000	529	30
all	939	20	41	1	1000	30981	1592
			Haryana				
nil (<0.01)	1000	-	-	-	1000	109	5
00.01 - 00.20	1000	-	-	-	1000	573	27
00.21 - 00.50	985	-	15	-	1000	1851	90
00.51 - 01.00	1000	-	-	-	1000	1839	85
01.01 - 02.00	965	9	27	-	1000	2973	138
02.01 - 04.00	947	11	42	-	1000	2362	116
04.01 - 10.00	825	80	96	-	1000	1613	77
10.01 & above	696	102	202	-	1000	229	13
all	947	18	35	-	1000	11548	551

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size-class of ownership holding (ha)	using machines				all	no. of field-crop cultivator hhs	
	manual only	owned only	hired only	both		est.(00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Himachal Pradesh							
nil <0.01)	1000	-	-	-	1000	45	8
00.01 - 00.20	994	3	3	-	1000	1691	322
00.21 - 00.50	996	4	-	-	1000	2939	550
00.51 - 01.00	990	5	5	-	1000	2208	404
01.01 - 02.00	995	-	5	-	1000	1277	241
02.01 - 04.00	989	-	11	-	1000	522	99
04.01 - 10.00	1000	-	-	-	1000	108	22
10.01 & above	1000	-	-	-	1000	35	7
all	994	3	3	-	1000	8825	1653
Jammu & Kashmir							
nil <0.01)	1000	-	-	-	1000	11	4
00.01 - 00.20	969	31	-	-	1000	1039	218
00.21 - 00.50	997	2	1	-	1000	2807	578
00.51 - 01.00	970	27	2	-	1000	1978	392
01.01 - 02.00	986	9	5	-	1000	997	242
02.01 - 04.00	979	21	-	-	1000	353	84
04.01 - 10.00	1000	-	-	-	1000	51	17
10.01 & above	-	-	-	-	-	-	-
all	983	15	2	-	1000	7236	1535
Karnataka							
nil(<0.01)	624	209	166	-	1000	146	7
00.01 - 00.20	954	-	46	-	1000	2826	137
00.21 - 00.50	893	4	103	-	1000	6735	322
00.51 - 01.00	893	8	99	-	1000	10269	445
01.01 - 02.00	826	19	152	4	1000	12321	522
02.01– 04.00	768	16	216	-	1000	7165	308
04.01 - 10.00	690	25	285	-	1000	4250	184
10.01 &above	347	112	541	-	1000	656	28
all	829	15	155	1	1000	44369	1953

Table 10: Per 1000 distribution of field-crop cultivator households by mode of harvesting for each size-class of household ownership holding

size-class of ownership holding (ha)	using machines: manual only	using machines: owned only	using machines: hired only	using machines: both	all	no. of field-crop cultivator hhs: est.(00)	no. of field-crop cultivator hhs: sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Kerala							
nil(<0.01)	1000	-	-	-	1000	75	4
00.01 - 00.20	971	28	1	-	1000	22100	1401
00.21 - 00.50	978	20	2	-	1000	6402	419
00.51 - 01.00	967	28	6	-	1000	3374	201
01.01 - 02.00	974	26	-	-	1000	1976	116
02.01 - 04.00	968	-	32	-	1000	485	29
04.01 - 10.00	899	-	101	-	1000	170	10
10.01 & above	1000	-	-	-	1000	32	2
all	972	26	3	-	1000	34615	2182
Madhya Pradesh							
nil(<0.01)	1000	-	-	-	1000	421	21
00.01 - 00.20	999	1	-	-	1000	2467	139
00.21 - 00.50	996	4	-	-	1000	9680	539
00.51 - 01.00	992	5	3	-	1000	15036	774
01.01 - 02.00	984	9	7	-	1000	21560	1108
02.01 - 04.00	990	4	6	-	1000	18818	954
04.01 - 10.00	980	5	15	-	1000	8158	434
10.01 & above	960	22	18	-	1000	1028	62
all	988	6	6	-	1000	77168	4031
Maharashtra							
nil <0.01)	980	-	20	-	1000	178	7
00.01 - 00.20	981	-	19	-	1000	3913	188
00.21 - 00.50	955	10	35	-	1000	8349	399
00.51 - 01.00	913	10	77	-	1000	12111	559
01.01 - 02.00	899	4	98	-	1000	15774	739
02.01 - 04.00	906	6	88	-	1000	11295	527
04.01 - 10.00	859	9	128	4	1000	6238	287
10.01 &above	722	42	236	-	1000	883	40
all	910	7	82	0	1000	58740	2746

Table 10: Per 1000 distribution of field-crop cultivator households by mode of harvesting for each size-class of household ownership holding

size-class of ownership holding (ha)	using machines				all	no. of field-crop cultivator hhs	
	manual only	owned only	hired only	both		est.(00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Manipur							
nil (<0.01)	1000	-	-	-	1000	198	80
00.01 - 00.20	998	2	-	-	1000	189	57
00.21 - 00.50	934	25	41	-	1000	483	174
00.51 - 01.00	989	4	7	-	1000	832	256
01.01 - 02.00	974	26	-	-	1000	353	140
02.01 - 04.00	1000	-	-	-	1000	76	34
04.01 - 10.00	1000	-	-	-	1000	10	6
10.01 & above	-	-	-	-	-	-	-
all	976	12	12	-	1000	2139	747
Meghalaya							
nil <0.01)	1000	-	-	-	1000	17	6
00.01 - 00.20	999	1	-	-	1000	385	121
00.21 - 00.50	1000	-	-	-	1000	782	210
00.51 - 01.00	1000	-	-	-	1000	796	225
01.01 - 02.00	1000	-	-	-	1000	605	193
02.01 - 04.00	985	7	8	-	1000	425	136
04.01 - 10.00	1000	-	-	-	1000	92	29
10.01 & above	-	-	-	-	-	-	-
all	998	1	1	-	1000	3103	920
Mizoram							
nil (<0.01)	970	30	-	-	1000	104	72
00.01 - 00.20	992	8	-	-	1000	339	263
00.21 - 00.50	1000	-	-	-	1000	43	45
00.51 - 01.00	925	75	-	-	1000	55	47
01.01 - 02.00	1000	-	-	-	1000	66	54
02.01 - 04.00	1000	-	-	-	1000	14	16
04.01 - 10.00	1000	-	-	-	1000	3	3
10.01 & above	-	-	-	-	-	-	-
all	984	16	-	-	1000	624	500

Table 10: Per 1000 distribution of field-crop cultivator households by mode of harvesting for each size-class of household ownership holding

size-class of ownership holding (ha)	using machines				all	no. of field-crop cultivator hhs	
	manual only	owned only	hired only	both		est.(00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Nagaland							
nil (<.01)	1000	-	-	-	1000	16	13
00.01 - 00.20	1000	-	-	-	1000	24	20
00.21 - 00.50	1000	-	-	-	1000	37	47
00.51 - 01.00	1000	-	-	-	1000	77	71
01.01 - 02.00	998	2	-	-	1000	190	177
02.01 - 04.00	994	6	-	-	1000	329	356
04.01 - 10.00	980	20	-	-	1000	127	136
10.01 & above	1000	-	-	-	1000	7	8
all	994	6	-	-	1000	807	828
Orissa							
nil (<.01)	1000	-	-	-	1000	198	20
00.01 - 00.20	987	5	8	-	1000	5949	326
00.21 - 00.50	986	6	8	-	1000	12133	657
00.51 - 01.00	987	6	8	-	1000	10803	553
01.01 - 02.00	959	27	15	-	1000	7280	378
02.01 - 04.00	984	9	7	-	1000	2881	146
04.01 - 10.00	1000	-	-	-	1000	609	32
10.01 & above	1000	-	-	-	1000	122	3
all	981	10	9	-	1000	39975	2115
Punjab							
nil <0.01)	709	-	291	-	1000	50	5
00.01 - 00.20	1000	-	-	-	1000	482	47
00.21 - 00.50	861	28	111	-	1000	1130	99
00.51 - 01.00	825	12	152	11	1000	1462	122
01.01 - 02.00	621	41	330	8	1000	2909	254
02.01 - 04.00	458	52	450	39	1000	2202	190
04.01 - 10.00	389	67	497	46	1000	1575	133
10.01 & above	175	123	637	66	1000	377	33
all	608	43	327	22	1000	10188	883

Table 10: Per 1000 distribution of field-crop cultivator households by mode of harvesting for each size-class of household ownership holding

size-class of ownership holding (ha)	using machines: manual only	using machines: owned only	using machines: hired only	using machines: both	all	no. of field-crop cultivator hhs: est.(00)	no. of field-crop cultivator hhs: sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Rajasthan							
nil (<.01)	1000	-	-	-	1000	306	19
00.01 - 00.20	990	-	10	-	1000	2073	110
00.21 - 00.50	997	3	-	-	1000	7782	415
00.51 - 01.00	995	5	-	-	1000	8603	445
01.01 - 02.00	983	8	9	-	1000	11017	583
02.01 - 04.00	992	3	5	-	1000	9684	539
04.01 - 10.00	969	12	19	-	1000	7914	451
10.01 & above	974	13	14	-	1000	2009	124
all	987	6	7	-	1000	49388	2686
Sikkim							
nil (<0.01)	986	14	-	-	1000	60	76
00.01 - 00.20	1000	-	-	-	1000	95	111
00.21 - 00.50	993	-	7	-	1000	180	216
00.51 - 01.00	1000	-	-	-	1000	123	136
01.01 - 02.00	979	9	12	-	1000	85	92
02.01 - 04.00	1000	-	-	-	1000	38	42
04.01 - 10.00	1000	-	-	-	1000	3	4
10.01 & above	1000	-	-	-	1000	1	1
all	993	3	4	-	1000	586	678
Tamil Nadu							
nil (<0.01)	1000	-	-	-	1000	707	41
00.01 - 00.20	995	-	5	-	1000	4184	247
00.21 - 00.50	978	2	19	-	1000	10470	610
00.51 - 01.00	963	8	29	-	1000	8949	487
01.01 - 02.00	980	-	20	-	1000	5976	321
02.01 - 04.00	958	7	35	-	1000	2684	136
04.01 - 10.00	1000	-	-	-	1000	966	42
10.01 & above	1000	-	-	-	1000	49	3
all	976	3	20	-	1000	33985	1887

Table 10: Per 1000 distribution of field-crop cultivator households by mode of harvesting for each size-class of household ownership holding

size-class of ownership holding (ha)	using machines: manual only	using machines: owned only	using machines: hired only	using machines: both	all	no. of field-crop cultivator hhs: est.(00)	no. of field-crop cultivator hhs: sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Tripura							
nil (<0.01)	589	117	294	-	1000	43	8
00.01 - 00.20	919	57	24	-	1000	490	110
00.21 - 00.50	954	12	34	-	1000	910	187
00.51 - 01.00	867	63	70	-	1000	652	134
01.01 - 02.00	796	81	123	-	1000	215	40
02.01 - 04.00	547	388	65	-	1000	71	16
04.01 - 10.00	585	415	-	-	1000	8	2
10.01 & above	-	-	-	-	-	-	-
all	889	56	55	-	1000	2389	497
Uttar Pradesh							
nil (<0.01)	1000	-	-	-	1000	599	29
00.01 - 00.20	983	11	5	-	1000	30448	1426
00.21 - 00.50	990	6	4	-	1000	50848	2087
00.51 - 01.00	981	13	6	-	1000	40361	1665
01.01 - 02.00	978	13	10	-	1000	29586	1205
02.01 - 04.00	972	17	11	-	1000	14076	606
04.01 - 10.00	958	33	9	-	1000	5049	226
10.01 & above	937	-	63	-	1000	396	19
all	982	11	6	-	1000	171362	7263
West Bengal							
nil (<0.01)	752	127	121	-	1000	1976	87
00.01 - 00.20	972	5	23	-	1000	15261	758
00.21 - 00.50	957	9	34	-	1000	19727	972
00.51 - 01.00	956	3	41	-	1000	14715	650
01.01 - 02.00	952	11	37	-	1000	6730	302
02.01 - 04.00	915	53	32	-	1000	2164	97
04.01 - 10.00	833	167	-	-	1000	191	9
10.01 & above	-	1000	-	-	1000	24	1
all	951	13	36	-	1000	60788	2876

Table 10: Per 1000 distribution of field-crop cultivator households by mode of harvesting for each size-class of household ownership holding

size-class of ownership holding (ha)	using machines				all	no. of field-crop cultivator hhs	
	manual only	owned only	hired only	both		est.(00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
A. & N. Islands							
nil (<0.01)	955	45	-	-	1000	33	25
00.01 - 00.20	1000	-	-	-	1000	9	8
00.21 - 00.50	1000	-	-	-	1000	5	7
00.51 - 01.00	1000	-	-	-	1000	17	16
01.01 - 02.00	1000	-	-	-	1000	22	21
02.01 - 04.00	1000	-	-	-	1000	20	20
04.01 - 10.00	1000	-	-	-	1000	6	5
10.01 & above	-	-	-	-	-	-	-
all	987	13	-	-	1000	113	102
India							
nil (<0.01)	935	37	27	-	1000	10806	914
00.01 - 00.20	981	11	9	-	1000	123414	7726
00.21 - 00.50	975	7	18	-	1000	191767	11440
00.51 - 01.00	967	10	23	0	1000	180495	10274
01.01 - 02.00	948	13	38	0	1000	162612	9215
02.01 - 04.00	938	11	50	1	1000	97772	5712
04.01 - 10.00	899	19	80	2	1000	47354	2716
10.01 & above	817	43	136	3	1000	7168	422
all	958	11	30	0	1000	821388	48419

Table 10.1: Per 1000 distribution of area under five major crops* by mode of harvesting for each size-class of ownership holding

size-class of ownership holding (ha)	manual	owned machines	hired machine	all	estd. area under 5 major crops. (00 ha)	no. of hhs. using machine for harvesting	
						est.(00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Andhra Pradesh				
nil (<0.01)	1000	-	-	1000	1109	2	1
00.01 - 00.20	955	15	30	1000	1077	238	12
00.21 - 00.50	944	4	52	1000	6374	759	36
00.51 - 01.00	955	11	35	1000	11125	595	27
01.01 - 02.00	961	7	32	1000	17640	418	19
02.01 - 04.00	970	-	30	1000	19148	237	11
04.01 - 10.00	966	8	26	1000	19089	193	9
10.01 & above	1000	-	-	1000	6700	-	-
all	966	5	29	1000	82260	2441	115
			Arunachal Pradesh				
nil (<0.01)	991	9	-	1000	142	5	2
00.01 - 00.20	971	29	-	1000	10	3	2
00.21 - 00.50	841	129	30	1000	61	29	12
00.51 - 01.00	991	9	-	1000	117	3	1
01.01 - 02.00	998	2	-	1000	287	2	1
02.01 - 04.00	1000	-	-	1000	307	-	-
04.01 - 10.00	1000	-	-	1000	281	1	1
10.01 & above	1000	-	-	1000	62	-	-
all	990	9	1	1000	1266	43	19
			Assam				
nil (<0.01)	955	45	-	1000	204	4	2
00.01 - 00.20	998	2	-	1000	394	5	1
00.21 - 00.50	964	32	5	1000	1640	192	15
00.51 - 01.00	967	33	-	1000	6278	287	20
01.01 - 02.00	982	18	-	1000	11087	145	10
02.01 - 04.00	948	24	28	1000	7850	147	13
04.01 - 10.00	961	-	39	1000	3164	38	4
10.01 &above	-	-	-	-	-	-	-
all	967	21	11	1000	30618	818	65

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 10.1: Per 1000 distribution of area under five major crops* by mode of harvesting for each size-class of ownership holding

size-class of ownership holding (ha)	manual	owned machines	hired machine	all	estd. area under 5 major crops. (00 ha)	no. of hhs. using machine for harvesting	
						est.(00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Bihar				
nil (< 0.01)	976	24	-	1000	3740	102	5
00.01 - 00.20	991	5	4	1000	4376	125	8
00.21 - 00.50	993	5	2	1000	14383	183	12
00.51 - 01.00	994	4	2	1000	24522	126	5
01.01 - 02.00	982	10	8	1000	33955	292	14
02.01 - 04.00	994	0	5	1000	28125	115	6
04.01 - 10.00	986	6	9	1000	17326	48	2
10.01 & above	931	25	44	1000	8158	29	2
all	985	7	8	1000	134585	1019	54
			Gujarat				
nil (< 0.01)	1000	-	-	1000	113	-	-
00.01 - 00.20	980	-	20	1000	467	23	1
00.21 - 00.50	960	1	39	1000	4301	257	15
00.51 - 01.00	956	3	41	1000	6386	221	10
01.01 - 02.00	938	30	32	1000	12302	506	27
02.01 - 04.00	950	18	32	1000	19218	428	20
04.01 - 10.00	955	11	34	1000	23963	378	21
10.01 & above	933	44	23	1000	7030	84	4
all	949	18	33	1000	73780	1896	98
			Haryana				
nil (< 0.01)	1000	-	-	1000	266	-	-
00.01 - 00.20	1000	-	-	1000	1365	-	-
00.21 - 00.50	965	-	35	1000	1940	29	2
00.51 - 01.00	1000	-	-	1000	2907	-	-
01.01 - 02.00	971	4	25	1000	7757	105	6
02.01 - 04.00	957	7	36	1000	10536	126	10
04.01 - 10.00	891	48	61	1000	12695	283	13
10.01 & above	767	52	180	1000	4622	70	3
all	924	23	53	1000	42089	612	34

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 10.1: Per 1000 distribution of area under five major crops* by mode of harvesting for each size-class of ownership holding

size-class of ownership holding (ha)	manual	owned machines	hired machine	all	estd. area under 5 major crops. (00 ha)	no. of hhs. using machine for harvesting	
						est.(00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Himachal Pradesh				
nil (< 0.01)	1000	-	-	1000	34	-	-
00.01 - 00.20	998	0	2	1000	351	10	2
00.21 - 00.50	996	4	-	1000	1606	11	2
00.51 - 01.00	989	5	6	1000	2228	23	4
01.01 - 02.00	995	-	5	1000	2245	6	1
02.01 - 04.00	988	-	12	1000	1474	6	1
04.01 - 10.00	1000	-	-	1000	538	-	-
10.01 & above	1000	-	-	1000	111	-	-
all	993	2	5	1000	8587	55	10
			Jammu & Kashmir				
nil (< 0.01)	1000	-	-	1000	5	-	-
00.01 - 00.20	969	31	-	1000	225	33	3
00.21 - 00.50	998	1	1	1000	1464	8	2
00.51 - 01.00	977	21	2	1000	2149	59	7
01.01 - 02.00	992	5	3	1000	2018	14	3
02.01 - 04.00	968	32	-	1000	1335	7	1
04.01 - 10.00	1000	-	-	1000	351	-	-
10.01 & above	-	-	-	-	-	-	-
all	984	14	2	1000	7547	122	16
			Karnataka				
nil (< 0.01)	205	6	789	1000	99	55	2
00.01 - 00.20	937	-	63	1000	464	131	7
00.21 - 00.50	905	4	90	1000	2910	720	30
00.51 - 01.00	878	5	117	1000	9132	1100	50
01.01 - 02.00	828	23	149	1000	20571	2150	88
02.01 - 04.00	794	13	193	1000	22063	1666	67
04.01 - 10.00	755	20	225	1000	24961	1317	55
10.01 & above	435	93	472	1000	10397	428	17
all	762	25	213	1000	90596	7566	316

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 10.1: Per 1000 distribution of area under five major crops* by mode of harvesting for each size-class of ownership holding

size-class of ownership holding (ha)	manual	owned machines	hired machine	all	estd. area under 5 major crops. (00 ha)	no. of hhs. using machine for harvesting	
						est.(00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Kerala				
nil (<0.01)	1000	-	-	1000	1	-	-
00.01 - 00.20	978	18	3	1000	1332	650	43
00.21 - 00.50	982	16	2	1000	1935	138	8
00.51 - 01.00	968	28	4	1000	2091	112	5
01.01 - 02.00	978	22	-	1000	2082	51	2
02.01 - 04.00	976	-	24	1000	1011	15	1
04.01 - 10.00	919	-	81	1000	787	17	1
10.01 & above	1000	-	-	1000	360	-	-
all	972	17	11	1000	9599	984	60
			Madhya Pradesh				
nil (<0.01)	1000	-	-	1000	765	-	-
00.01 - 00.20	999	1	-	1000	528	2	1
00.21 - 00.50	997	3	-	1000	4893	34	2
00.51 - 01.00	994	3	3	1000	15992	117	6
01.01 - 02.00	983	9	8	1000	42582	354	21
02.01 - 04.00	990	4	6	1000	66204	185	12
04.01 - 10.00	986	1	12	1000	63206	165	11
10.01 & above	978	4	18	1000	19829	41	4
all	987	4	9	1000	213999	899	57
			Maharashtra				
nil (<0.01)	983	-	17	1000	174	4	1
00.01 - 00.20	967	-	33	1000	827	76	5
00.21 - 00.50	948	8	44	1000	3301	372	18
00.51 - 01.00	920	7	73	1000	10062	1058	53
01.01 - 02.00	920	2	79	1000	24077	1600	78
02.01 - 04.00	940	2	58	1000	30564	1065	50
04.01 - 10.00	920	8	72	1000	33809	878	40
10.01 & above	797	34	170	1000	11154	245	11
all	914	8	78	1000	113969	5299	256

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 10.1: Per 1000 distribution of area under five major crops* by mode of harvesting for each size-class of ownership holding

size-class of ownership holding (ha)	manual	owned machines	hired machine	all	estd. area under 5 major crops. (00 ha)	no. of hhs. using machine for harvesting	
						est.(00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Manipur				
nil (<0.01)	1000	-	-	1000	224	-	-
00.01 - 00.20	1000	-	-	1000	15	0	1
00.21 - 00.50	950	13	37	1000	159	32	12
00.51 - 01.00	994	1	5	1000	564	9	4
01.01 - 02.00	979	21	-	1000	414	9	3
02.01 - 04.00	1000	-	-	1000	164	-	-
04.01 - 10.00	1000	-	-	1000	28	-	-
10.01 & above	-	-	-	-	-	-	-
all	987	7	5	1000	1566	51	20
			Meghalaya				
nil (<0.01)	1000	-	-	1000	2	-	-
00.01 - 00.20	1000	-	-	1000	102	0	2
00.21 - 00.50	1000	-	-	1000	302	-	-
00.51 - 01.00	1000	-	-	1000	658	-	-
01.01 - 02.00	1000	-	-	1000	777	-	-
02.01 - 04.00	990	3	7	1000	938	6	2
04.01 - 10.00	1000	-	-	1000	391	-	-
10.01 & above	-	-	-	-	-	-	-
all	997	1	2	1000	3171	7	4
			Mizoram				
nil (<0.01)	1000	-	-	1000	74	3	1
00.01 - 00.20	994	6	-	1000	251	3	3
00.21 - 00.50	1000	-	-	1000	31	-	-
00.51 - 01.00	997	3	-	1000	48	4	2
01.01 - 02.00	1000	-	-	1000	72	-	-
02.01 - 04.00	1000	-	-	1000	25	-	-
04.01 - 10.00	1000	-	-	1000	7	-	-
10.01 & above	-	-	-	-	-	-	-
all	997	3	-	1000	508	10	6

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 10.1: Per 1000 distribution of area under five major crops* by mode of harvesting for each size-class of ownership holding

size-class of ownership holding (ha)	manual	owned machines	hired machine	all	estd. area under 5 major crops. (00 ha)	no. of hhs. using machine for harvesting	
						est.(00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Nagaland				
nil (<0.01)	1000	-	-	1000	26	-	-
00.01 - 00.20	1000	-	-	1000	3	-	-
00.21 - 00.50	1000	-	-	1000	10	-	-
00.51 - 01.00	1000	-	-	1000	62	-	-
01.01 - 02.00	999	1	-	1000	302	0	1
02.01 - 04.00	999	1	-	1000	813	2	3
04.01 - 10.00	993	7	-	1000	891	3	2
10.01 & above	1000	-	-	1000	84	-	-
all	997	3	-	1000	2190	5	6
			Orissa				
nil (<0.01)	1000	-	-	1000	64	-	-
00.01 - 00.20	991	5	4	1000	1130	76	5
00.21 - 00.50	988	6	7	1000	4953	171	11
00.51 - 01.00	986	4	9	1000	8882	146	9
01.01 - 02.00	980	9	11	1000	10467	301	13
02.01 - 04.00	988	7	5	1000	7779	47	3
04.01 - 10.00	1000	-	-	1000	3596	-	-
10.01 & above	1000	-	-	1000	1406	-	-
all	987	6	7	1000	38276	741	41
			Punjab				
nil (<0.01)	781	-	219	1000	257	15	2
00.01 - 00.20	1000	-	-	1000	234	-	-
00.21 - 00.50	918	14	67	1000	781	157	11
00.51 - 01.00	826	14	160	1000	2881	255	22
01.01 - 02.00	742	29	229	1000	8373	1103	97
02.01 - 04.00	608	48	344	1000	11713	1193	97
04.01 - 10.00	508	73	419	1000	16504	962	78
10.01 & above	436	105	459	1000	9200	311	27
all	586	61	354	1000	49942	3996	334

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 10.1: Per 1000 distribution of area under five major crops* by mode of harvesting for each size-class of ownership holding

size-class of ownership holding (ha)	manual	owned machines	hired machine	all	estd. area under 5 major crops. (00 ha)	no. of hhs. using machine for harvesting	
						est.(00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Rajasthan				
nil (<0.01)	1000	-	-	1000	985	-	-
00.01 - 00.20	965	-	35	1000	1461	20	1
00.21 - 00.50	997	3	-	1000	5472	25	2
00.51 - 01.00	997	3	-	1000	9512	46	2
01.01 - 02.00	984	5	11	1000	22182	187	8
02.01 - 04.00	996	2	2	1000	36728	76	3
04.01 - 10.00	969	10	21	1000	56934	246	12
10.01 & above	962	15	23	1000	32144	53	4
all	978	8	14	1000	165418	653	32
			Sikkim				
nil (<0.01)	983	17	-	1000	32	1	1
00.01 - 00.20	1000	-	-	1000	22	-	-
00.21 - 00.50	994	-	6	1000	72	1	1
00.51 - 01.00	1000	-	-	1000	92	-	-
01.01 - 02.00	978	8	14	1000	114	2	2
02.01 - 04.00	1000	-	-	1000	89	-	-
04.01 - 10.00	1000	-	-	1000	13	-	-
10.01 & above	1000	-	-	1000	4	-	-
all	992	3	5	1000	438	4	4
			Tamil Nadu				
nil (<0.01)	1000	-	-	1000	299	-	-
00.01 - 00.20	994	-	6	1000	690	19	1
00.21 - 00.50	973	3	24	1000	4450	226	13
00.51 - 01.00	966	5	29	1000	7714	331	19
01.01 - 02.00	986	-	14	1000	9283	117	6
02.01 - 04.00	962	8	29	1000	7008	113	5
04.01 - 10.00	1000	-	-	1000	4817	-	-
10.01 & above	1000	-	-	1000	603	-	-
all	978	3	19	1000	34863	805	44

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 10.1: Per 1000 distribution of area under five major crops* by mode of harvesting for each size-class of ownership holding

size-class of ownership holding (ha)	manual	owned machines	hired machine	all	estd. area under 5 major crops. (00 ha)	no. of hhs. using machine for harvesting	
						est.(00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Tripura				
nil (<0.01)	584	94	322	1000	15	18	3
00.01 - 00.20	940	39	21	1000	66	40	11
00.21 - 00.50	961	12	27	1000	323	42	9
00.51 - 01.00	897	51	52	1000	515	87	18
01.01 - 02.00	835	59	107	1000	318	44	9
02.01 - 04.00	453	498	49	1000	147	32	7
04.01 - 10.00	281	719	-	1000	32	3	1
10.01 & above	-	-	-	-	-	-	-
all	837	105	58	1000	1415	265	58
			Uttar Pradesh				
nil (<0.01)	1000	-	-	1000	942	-	-
00.01 - 00.20	986	12	2	1000	8230	505	25
00.21 - 00.50	994	4	2	1000	29992	528	25
00.51 - 01.00	988	9	3	1000	49080	751	36
01.01 - 02.00	987	8	6	1000	62695	657	27
02.01 - 04.00	985	10	5	1000	55575	394	16
04.01 - 10.00	981	12	8	1000	38392	212	11
10.01 & above	975	-	25	1000	5587	25	1
all	986	9	5	1000	250492	3071	141
			West Bengal				
nil (<0.01)	694	80	226	1000	1795	490	15
00.01 - 00.20	973	3	23	1000	2917	433	25
00.21 - 00.50	950	8	42	1000	9347	841	37
00.51 - 01.00	957	3	40	1000	15448	653	27
01.01 - 02.00	956	11	32	1000	12485	321	15
02.01 - 04.00	939	46	16	1000	7423	184	9
04.01 - 10.00	801	199	-	1000	1293	32	1
10.01 & above	884	116	-	1000	83	24	1
all	940	20	39	1000	50792	2977	130

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.

2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 10.1: Per 1000 distribution of area under five major crops* by mode of harvesting for each size-class of ownership holding

size-class of ownership holding (ha)	manual	owned machines	hired machine	all	estd. area under 5 major crops. (00 ha)	no. of hhs. using machine for harvesting	
						est.(00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			A. & N. Islands				
nil (<0.01)	922	78	-	1000	39	2	1
00.01 - 00.20	1000	-	-	1000	0	-	-
00.21 - 00.50	1000	-	-	1000	2	-	-
00.51 - 01.00	1000	-	-	1000	9	-	-
01.01 - 02.00	1000	-	-	1000	22	-	-
02.01 - 04.00	1000	-	-	1000	48	-	-
04.01 - 10.00	1000	-	-	1000	17	-	-
10.01 & above	-	-	-	-	-	-	-
all	978	22	-	1000	138	2	1
			India				
nil (<0.01)	931	22	48	1000	11503	700	36
00.01 - 00.20	983	7	10	1000	26575	2393	159
00.21 - 00.50	978	5	17	1000	100803	4760	276
00.51 - 01.00	971	7	22	1000	188584	5985	328
01.01 - 02.00	957	10	33	1000	304245	8384	451
02.01 - 04.00	952	9	39	1000	336368	6043	337
04.01 - 10.00	925	14	61	1000	323143	4774	262
10.01 & above	853	31	116	1000	117611	1310	74
all	943	12	45	1000	1408832	34348	1923

* *Note*

1. Paddy: *kharif* and paddy: *rabi*, for example, are treated as different "crops" for this purpose.
2. The set of 5 major crops is not a fixed set but varies from household to household; for any particular household it is understood as the 5 most important field crops cultivated, in terms of value of production, by the household in 1997-98, from among a list of crop-season combinations involving 12 crops and crop-groups spanning the entire range of crops cultivated in the country.

Table 11: Number of households (H) reporting testing of soil of their fields per 1000 cultivator households and number of cultivator households (P) reporting having followed the recommendations per 1000 households reporting soil test

states / UT holding (ha)	no. of cultivator hhs. owning land per 1000 hhs.	H	P	no. of cultivator households	
				est. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	985	61	36	52840	2496
Arunachal Pradesh	845	41	-	1321	602
Assam	978	34	26	24962	2259
Bihar	960	35	5	92660	4659
Gujarat	995	55	43	30981	1592
Haryana	991	55	46	11548	551
Himachal Pradesh	995	36	20	8825	1653
Jammu & Kashmir	998	12	4	7236	1535
Karnataka	998	42	29	44369	1953
Kerala	999	43	20	35908	2263
Madhya Pradesh	995	27	11	77270	4037
Maharashtra	997	36	10	58839	2753
Manipur	919	84	2	2140	747
Meghalaya	996	20	1	3103	920
Mizoram	833	18	-	624	500
Nagaland	980	66	4	807	828
Orissa	996	9	2	40365	2134
Punjab	995	46	24	10188	883
Rajasthan	994	30	14	49388	2686
Sikkim	898	14	2	586	678
Tamil Nadu	984	82	60	33985	1887
Tripura	980	36	-	2443	509
Uttar Pradesh	996	20	12	171515	7268
West Bengal	968	26	4	62076	2927
A. & N. Islands	715	284	245	113	102
India	987	34	17	825058	48649

Table 12 : Number of cultivator households (H) reporting ownership of well / tubewell per 1000 cultivator households and number of households (P) reporting well / tubewell remaining unused for some time due to inadequacy of ground water per 1000 hhs. owning well/tubewell

states / UT	no. of cultivator households per 1000 hhs.	H	P	no. of households	
				est. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	443	359	568	119333	5721
Arunachal Pradesh	813	71	56	1625	719
Assam	711	269	114	35114	3243
Bihar	618	214	105	150028	7464
Gujarat	569	419	326	54468	2939
Haryana	455	523	29	25388	1222
Himachal Pradesh	863	28	137	10226	1914
Jammu & Kashmir	915	50	265	7907	1719
Karnataka	637	225	324	69692	3152
Kerala	791	607	402	45411	2911
Madhya Pradesh	719	275	232	107483	5802
Maharashtra	529	339	548	111247	5359
Manipur	854	107	176	2505	873
Meghalaya	898	25	-	3457	1040
Mizoram	869	-	-	718	594
Nagaland	927	69	763	871	895
Orissa	636	76	282	63451	3401
Punjab	364	732	153	27971	2533
Rajasthan	792	501	183	62377	3501
Sikkim	690	-	-	849	936
Tamil Nadu	353	493	285	96319	5324
Tripura	436	194	181	5606	1216
Uttar Pradesh	746	232	106	230008	10003
West Bengal	562	189	86	110552	5312
A. & N. Islands	253	140	349	447	502
India	612	294	259	1348695	78990

Table 13: Number of cultivator households (H) reporting ownership of irrigation pumps per 1000 cultivator households and number of households (P) reporting irrigation pumps remaining unused for some time due to unavailability of diesel or irregular supply of electricity per 1000 hhs. owning pumps

states / UT	diesel pump		electric pump		no. of cultivator households	
	H	P	H	P	est. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh	58	159	302	714	52840	2496
Arunachal Pradesh	40	-	32	-	1321	602
Assam	26	210	5	110	24962	2259
Bihar	148	184	20	303	92660	4659
Gujarat	235	170	211	391	30981	1592
Haryana	283	27	298	304	11548	551
Himachal Pradesh	8	65	10	97	8825	1653
Jammu & Kashmir	8	50	13	368	7236	1535
Karnataka	23	48	193	529	44369	1953
Kerala	21	76	138	329	35908	2263
Madhya Pradesh	79	208	196	546	77270	4037
Maharashtra	38	265	287	544	58839	2753
Manipur	102	242	40	45	2140	747
Meghalaya	4	-	6	248	3103	920
Mizoram	7	-	1	-	624	500
Nagaland	9	323	1	-	807	828
Orissa	24	250	9	340	40365	2134
Punjab	381	68	510	309	10188	883
Rajasthan	244	113	204	525	49388	2686
Sikkim	7	-	1	-	586	678
Tamil Nadu	147	72	326	250	33985	1887
Tripura	44	73	18	199	2443	509
Uttar Pradesh	206	145	45	428	171515	7268
West Bengal	124	122	14	261	62076	2927
A. & N. Islands	67	582	36	-	113	102
India	126	143	132	482	825058	48649

Survey Results on Common Property Resources in Inida-NSS 54th Round (January 1998-June 1998)

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Table 1 : CPR land (ha) per household by type of land and percentages of CPR land to total geographical area and to total non-residential geographical area in different climatic zones

State / UT	zone	type of land				ratio of CPR area to		estd. no.	estd. area CPR
		grazing	village forest	others	all	total geo. area	non-resi. geo. area	hhs. (00)	(00 ha)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Andhra Pradesh	DP	0.03	0.02	0.15	0.20	0.08	0.09	62917	12483
	EG	0.02	0.00	0.12	0.14	0.12	0.15	56416	8063
	all	**0.02**	**0.01**	**0.13**	**0.17**	**0.09**	**0.11**	**119332**	**20546**
Arunachal Pradesh	EHm	0.29	0.64	0.22	1.15	-	-	1625	1874
Assam	EHm	0.02	0.01	0.01	0.05	0.07	0.09	35114	1613
Bihar	MG	0.00	0.01	0.03	0.04	0.05	0.06	118105	4994
	EHg	0.08	0.02	0.13	0.24	0.13	0.15	32153	7633
	all	**0.02**	**0.02**	**0.05**	**0.08**	**0.08**	**0.10**	**150258**	**12627**
Gujarat	GC	0.20	0.03	0.49	0.72	0.27	0.33	54468	39165
Haryana	UG	0.01	0.01	0.02	0.05	0.03	0.04	25388	1221
Himachal Pradesh	WHm	0.07	0.16	0.10	0.33	0.12	0.13	10226	3404
Jammu & Kashmir	WHm	0.05	0.00	0.09	0.14	-	-	7907	1133
Karnataka	WHg	0.04	0.03	0.21	0.28	0.09	0.10	29588	8337
	DP	0.14	0.02	0.08	0.23	0.12	0.14	28125	6555
	WC	0.11	0.03	0.08	0.22	0.07	0.08	11980	2614
	all	**0.09**	**0.02**	**0.14**	**0.25**	**0.10**	**0.11**	**69693**	**17505**
Kerala	WC	0.05	0.02	0.05	0.12	-	-	45411	5392
Madhya Pradesh	EHg	0.25	0.18	0.53	0.97	0.34	0.39	28441	27704
	CHg	0.22	0.16	0.30	0.69	0.20	0.23	69192	47858
	WHg	0.15	0.00	0.26	0.42	0.11	0.13	9850	4154
	all	**0.22**	**0.15**	**0.36**	**0.74**	**0.22**	**0.26**	**107483**	**79715**
Maharashtra	CHg	0.15	0.02	0.06	0.31	0.14	0.16	9543	2950
	EHg & WHg	0.09	0.12	0.08	0.30	0.11	0.11	88053	26006
	WC	0.04	0.05	0.22	0.31	0.16	0.18	13651	4218
	all	**0.09**	**0.10**	**0.10**	**0.30**	**0.11**	**0.12**	**111247**	**33174**
Manipur	EHm	0.05	0.08	0.04	0.17	-	-	2505	430
Meghalaya	EHm	0.16	0.28	0.28	0.72	-	-	3457	2487
Mizoram	EHm	0.06	3.43	0.87	4.37	-	-	718	3137
Nagaland	EHm	0.14	0.57	0.78	1.49	0.08	0.02	871	1301
Orissa	EHg	0.15	0.15	0.11	0.41	0.12	0.14	36892	15116
	EG	0.04	0.02	0.02	0.09	0.07	0.07	26559	2370
	all	**0.11**	**0.10**	**0.07**	**0.28**	**0.11**	**0.12**	**63451**	**17487**

Note: The villages where area under non-residential geographical area are not available, the total geographical for such villages had been deducted from the total geographical area of respective region.

Table 1 : CPR land (ha) per household by type of land and percentages of CPR land to total geographical area and to total non-residential geographical area in different climatic zones

State / UT	zone	type of land				ratio of CPR area to		estd. no.	estd. area CPR (00 ha)
		grazing	village forest	others	all	total geo. area	non-resi. geo. area	hhs. (00)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Punjab	UG	0.00	0.00	0.01	0.02	0.01	0.01	27971	490
Rajasthan	CHg	0.25	0.09	0.37	0.72	0.22	0.26	42048	30154
	TD	0.21	0.04	4.51	4.77	0.38	0.28	20329	96941
	all	**0.24**	**0.08**	**1.72**	**2.04**	**0.32**	**0.27**	**62377**	**127094**
Sikkim	EHm	0.05	-	0.20	0.25	0.14	0.19	849	213
Tamil Nadu	DP	0.01	0.02	0.08	0.12	0.09	0.10	41395	4970
	EG	0.03	0.01	0.15	0.20	0.14	0.17	50708	10031
	WC	0.02	0.00	0.01	0.03	0.06	0.07	4184	128
	all	**0.02**	**0.02**	**0.12**	**0.16**	**0.12**	**0.13**	**96287**	**15129**
Tripura	EHm	0.01	0.01	0.00	0.01	0.01	0.01	5602	77
Uttar Pradesh	WHm	0.35	0.19	0.16	0.71	0.61	0.68	19429	13742
	MG	0.01	0.01	0.08	0.10	0.12	0.13	86236	8751
	TG	0.00	0.00	0.06	0.07	0.05	0.07	117526	7809
	CHg	0.02	0.04	0.14	0.21	0.09	0.10	6809	1404
	all	**0.04**	**0.02**	**0.08**	**0.14**	**0.12**	**0.15**	**230000**	**31705**
West Bengal	EHm	0.00	0.00	0.00	0.01	0.01	0.01	11521	98
	LG	0.00	0.00	0.01	0.02	0.01	0.01	76328	1536
	EHg	0.01	0.03	0.03	0.07	0.08	0.09	22530	1551
	all	**0.00**	**0.01**	**0.02**	**0.03**	**0.02**	**0.02**	**110379**	**3186**
A. & N. Islands	Isl	0.05	0.07	0.02	0.13	0.09	0.10	426	57
India	WHm	0.21	0.15	0.13	0.49	0.33	0.37	37562	18279
	EHm	0.04	0.09	0.05	0.18	0.05	0.03	62261	11231
	LG	0.00	0.00	0.01	0.02	0.01	0.01	76328	1536
	MG	0.01	0.01	0.05	0.07	0.08	0.09	204342	13745
	TG	0.00	0.00	0.06	0.07	0.05	0.07	117526	7809
	UG	0.01	0.01	0.02	0.03	0.02	0.02	56390	1717
	EHg	0.13	0.12	0.20	0.44	0.19	0.23	124987	55346
	CHg	0.22	0.12	0.30	0.65	0.20	0.23	127592	82365
	WHg	0.09	0.07	0.13	0.29	0.10	0.10	122520	35154
	DP	0.05	0.02	0.11	0.18	0.09	0.10	132436	24007
	EG	0.03	0.01	0.11	0.15	0.12	0.14	134378	20468
	WC	0.06	0.02	0.08	0.16	0.10	0.11	76662	12359
	GC	0.20	0.03	0.48	0.71	0.27	0.33	54858	39193
	TD	0.21	0.04	4.51	4.77	0.38	0.28	20329	96941
	Isl	0.04	0.06	0.02	0.12	0.09	0.10	465	57
	all	**0.07**	**0.05**	**0.19**	**0.31**	**0.15**	**0.16**	**1348687**	**420219**

Note: The villages where area under non-residential geographical area are not available, the total geographical for such villages had been deducted from the total geographical area of respective region.

Table 1.1 : Common village land (ha) per household by population size-class of villages in different states

state / UT	(Census'91) population size-class of villages							all
	less than 100	101-200	201-600	601-1200	1201-2000	2001-5000	more than 5000	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Andhra Pradesh	0.84	-	0.26	0.33	0.18	0.18	0.09	0.17
Arunachal Pradesh	2.93	2.23	0.53	1.57	0.25	0.08	0.31	1.15
Assam	0.18	0.05	0.08	0.06	0.03	0.02	0.01	0.05
Bihar	0.28	0.49	0.28	0.09	0.08	0.03	0.03	0.08
Gujarat	75.84	-	2.06	1.38	0.57	0.51	0.21	0.72
Haryana	0.47	-	0.08	0.07	0.08	0.04	0.03	0.05
Himachal Pradesh	1.70	0.23	0.19	0.26	0.04	0.39	0.07	0.33
Jammu & Kashmir	0.32	0.71	0.19	0.14	0.10	0.05	0.04	0.14
Karnataka	0.08	1.24	0.39	0.32	0.18	0.22	0.15	0.25
Kerala	-	-	-	-	0.21	0.10	-	0.12
Madhya Pradesh	9.03	0.48	1.16	0.57	0.48	0.26	0.23	0.74
Maharashtra	10.80	-	1.16	0.28	0.19	0.21	0.10	0.30
Manipur	2.21	0.19	0.46	0.14	0.06	0.03	0.01	0.17
Meghalaya	0.94	0.64	0.93	0.40	0.07	0.22	-	0.72
Mizoram	2.87	14.97	4.29	5.37	2.85	0.85	0.13	4.37
Nagaland	-	0.04	0.81	0.82	0.58	2.65	0.64	1.49
Orissa	2.63	0.31	0.27	0.25	0.12	0.08	0.09	0.28
Punjab	0.10	-	0.05	0.03	0.02	0.00	0.00	0.02
Rajasthan	1027.34	0.34	0.83	0.63	0.81	0.67	0.74	2.04
Sikkim	0.65	0.36	0.64	0.27	0.21	0.04	0.07	0.25
Tamil Nadu	0.30	-	0.78	0.29	0.17	0.12	0.06	0.16
Tripura	-	-	-	-	0.04	0.02	0.00	0.01
Uttar Pradesh	0.83	0.67	0.20	0.15	0.06	0.07	0.04	0.14
West Bengal	0.22	0.82	0.12	0.02	0.02	0.01	0.01	0.03
A. & N. Islands	-	-	0.04	0.22	0.20	0.02	-	0.13
India	6.28	0.56	0.55	0.31	0.19	0.15	0.09	0.31

Table 1.2 : Per 1000 distribution of households by population size-class of villages in different states

State / UT	per 1000 distribution of households by (Census'91) population size-class of villages							all	estd no. of hhs (00)
	less than 100	101-200	201-600	601-1200	1201 2000	2001 5000	more than 5000		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Andhra Pradesh	1	3	38	107	151	405	295	1000	119332
Arunachal Pradesh	148	128	289	136	142	67	91	1000	1625
Assam	17	13	142	299	262	231	35	1000	35114
Bihar	4	12	107	199	175	305	197	1000	150258
Gujarat	0	-	51	180	240	355	174	1000	54468
Haryana	0	-	29	128	111	464	267	1000	25388
Himachal Pradesh	80	127	424	213	77	73	7	1000	10226
Jammu & Kashmir	11	21	285	336	154	176	16	1000	7907
Karnataka	3	21	57	199	197	347	177	1000	69693
Kerala	-	-	-	5	191	800	4	1000	45411
Madhya Pradesh	14	15	236	334	203	161	36	1000	107483
Maharashtra	0	-	96	225	231	262	185	1000	111247
Manipur	19	100	140	201	149	293	99	1000	2505
Meghalaya	206	159	370	162	73	30	-	1000	3457
Mizoram	3	58	341	290	113	177	19	1000	718
Nagaland	-	37	119	172	156	414	103	1000	871
Orissa	33	49	239	279	197	187	16	1000	63451
Punjab	4	-	98	238	238	309	114	1000	27971
Rajasthan	1	15	184	263	193	269	75	1000	62377
Sikkim	3	17	146	353	196	242	43	1000	849
Tamil Nadu	2	3	42	95	180	409	270	1000	96287
Tripura	-	-	-	15	90	485	409	1000	5602
Uttar Pradesh	46	6	130	223	222	301	71	1000	230000
West Bengal	1	7	86	148	189	364	204	1000	110379
A. & N. Islands	10	21	126	367	219	257	-	1000	426
India	14	11	112	197	196	323	147	1000	1348687

Table 2 : Per 1000 distribution of households by availability of common village land per household

State / UT	zone	common village land (ha) per hh						no. of hhs
		<0.1	0.1-0.2	0.2-0.4	0.4-1.00	1.00 or more	all	estd. (00)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Andhra Pradesh	DP	404	156	84	247	108	1000	62917
	EG	348	171	167	247	67	1000	56416
	all	**378**	**163**	**123**	**247**	**89**	**1000**	**119332**
Arunachal Pradesh	EHm	238	80	63	254	365	1000	1625
Assam	EHm	590	205	107	80	17	1000	35114
Bihar	MG	840	68	37	31	24	1000	115358
	CHg	386	125	60	294	134	1000	34900
	all	**735**	**81**	**42**	**92**	**50**	**1000**	**150258**
Gujarat	GC	105	47	92	478	278	1000	54468
Haryana	UG	289	386	199	125	-	1000	25388
Himachal Pradesh	WHm	585	66	44	177	128	1000	10226
Jammu & Kashmir	WHm	359	111	120	357	52	1000	7907
Karnataka	WHg	88	95	231	408	178	1000	29588
	DP	484	88	90	228	110	1000	29609
	WC	222	195	103	447	33	1000	10495
	all	**276**	**107**	**152**	**337**	**127**	**1000**	**69693**
Kerala	WC	949	23	-	10	18	1000	45411
Madhya Pradesh	CHg	206	58	50	405	282	1000	28441
	EHg	238	62	111	319	269	1000	69192
	WHg	177	68	49	408	298	1000	9850
	all	**224**	**62**	**90**	**350**	**275**	**1000**	**107483**
Maharashtra	EHg	232	200	107	350	111	1000	14893
	WHg	203	155	183	348	111	1000	88053
	WC	328	179	46	203	244	1000	8301
	all	**216**	**163**	**163**	**337**	**121**	**1000**	**111247**
Manipur	EHm	472	141	147	130	110	1000	2505
Meghalaya	EHm	12	67	207	284	430	1000	3457
Mizoram	EHm	28	37	-	222	713	1000	718
Nagaland	EHm	88	168	63	331	350	1000	871
Orissa	CHg	87	99	156	476	182	1000	36892
	EG	263	271	208	232	27	1000	26559
	all	**161**	**171**	**178**	**374**	**117**	**1000**	**63451**
Punjab	UG	802	106	41	51	-	1000	27971

Table 2 : Per 1000 distribution of households by availability of common village land per household

State / UT	zone	common village land (ha) per hh						no. of hhs
		<0.1	0.1-0.2	0.2-0.4	0.4-1.00	1.00 or more	all	estd. (00)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Rajasthan	EHg	22	52	76	435	414	1000	42048
	TD	263	10	42	267	419	1000	20329
	all	**100**	**38**	**65**	**380**	**415**	**1000**	**62377**
Sikkim	EG	336	47	71	376	171	1000	849
Tamil Nadu	DP	475	143	70	235	77	1000	41395
	EG	295	161	114	339	90	1000	50708
	WC	683	30	154	133	-	1000	4184
	all	**390**	**148**	**97**	**285**	**81**	**1000**	**96287**
Tripura	Ehm	931	18	18	27	7	1000	5602
Uttar Pradesh	WHm	67	59	49	162	664	1000	19429
	MG	240	345	227	157	30	1000	86236
	TG	385	267	140	190	19	1000	117526
	EHg	152	-	256	479	114	1000	6809
	all	**297**	**271**	**169**	**184**	**80**	**1000**	**230000**
West Bengal	EHm	841	127	-	32	-	1000	11521
	LG	891	52	15	32	9	1000	76328
	CHg	856	59	12	16	57	1000	22530
	all	**879**	**61**	**13**	**29**	**18**	**1000**	**110379**
A.& N. Islands	Isl	590	42	148	162	59	1000	426
India	WHm	269	72	62	207	389	1000	37562
	EHm	608	157	83	89	62	1000	61411
	LG	891	52	15	32	9	1000	76328
	MG	583	187	118	85	27	1000	201595
	TG	385	267	140	190	19	1000	117526
	UG	581	227	110	82	-	1000	56499
	CHg	339	90	79	321	171	1000	124442
	EHg	164	72	107	367	289	1000	132941
	WHg	174	134	185	369	138	1000	125812
	DP	444	137	81	239	99	1000	133921
	EG	314	186	154	278	68	1000	135227
	WC	749	68	32	105	46	1000	69827
	GC	104	48	95	476	276	1000	54800
	TD	263	10	42	267	419	1000	20329
	Isl	624	38	135	148	54	1000	465
	all	**417**	**139**	**106**	**225**	**114**	**1000**	**1348687**

Table 3 : Reduction in common village land diminished during last 5 years per 1000 hectares of common village land 5 years ago by present availability of common village land per household

State / UT	zone	present availability of common village land (ha) per household						estd. reduction in CPR land (00 ha)
		<0.1	0.1-0.20	0.21-0.40	0.41-1.00	1.01 or more	all	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Andhra Pradesh	DP	17	2	3	31	3	57	748
	EG	14	2	0	1	-	18	146
	all	**16**	**2**	**2**	**19**	**2**	**42**	**894**
Arunachal Pradesh	EHm	-	0	0	10	1	11	22
Assam	EHm	11	7	9	12	0	39	65
Bihar	MG	21	2	2	5	-	31	150
	CHg	0	0	0	15	17	34	278
	all	**8**	**1**	**1**	**11**	**11**	**33**	**428**
Gujarat	GC	-	-	0	1	0	1	41
Haryana	UG	4	11	2	1	-	18	23
Himachal Pradesh	WHm	0	-	-	-	0	0	0
Jammu & Kashmir	WHm	0	3	3	5	3	16	18
Karnataka	WHg	-	0	1	1	0	2	16
	DP	7	5	5	27	3	48	347
	WC	-	-	-	-	-	-	-
	all	**3**	**2**	**2**	**11**	**2**	**20**	**362**
Kerala	WC	0	-	-	-	-	0	1
Madhya Pradesh	CHg	-	0	-	2	5	7	202
	EHg	0	0	0	2	1	3	140
	WHg	-	0	-	2	1	3	13
	all	**0**	**0**	**0**	**2**	**2**	**4**	**355**
Maharashtra	EHg	38	-	-	-	12	49	263
	WHg	0	1	2	2	11	17	442
	WC	-	-	-	-	-	-	-
	all	**6**	**1**	**2**	**2**	**10**	**21**	**704**
Manipur	EHm	0	4	-	-	-	4	2
Meghalaya	EHm	-	-	0	2	13	15	38
Mizoram	EHm	-	0	-	-	11	11	35
Nagaland	EHm	-	-	-	-	28	28	37
Orissa	CHg	10	4	5	23	96	139	2443
	EG	1	7	7	22	0	38	94
	all	**9**	**5**	**5**	**23**	**85**	**127**	**2537**
Punjab	UG	42	0	1	-	-	43	22

Table 3 : Reduction in common village land diminished during last 5 years per 1000 hectares of common village land 5 years ago by present availability of common village land per household

State / UT	zone	present availability of common village land (ha) per household						estd. reduction in CPR land (00 ha)
		<0.1	0.1-0.20	0.21-0.40	0.41-1.00	1.01 or more	all	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Rajasthan	EHg	-	0	-	8	5	13	403
	TD	-	-	-	2	0	2	225
	all	**-**	**0**	**-**	**4**	**1**	**5**	**628**
Sikkim	EHm	0	-	-	-	-	0	0
Tamil Nadu	DP	0	1	0	0	-	1	6
	BG	0	1	-	1	2	4	36
	WC	3	-	-	-	-	3	0
	all	**0**	**1**	**0**	**1**	**1**	**3**	**43**
Tripura	EHm	0	-	0	-	-	0	0
Uttar Pradesh	WHm	-	0	-	1	1	2	22
	MG	7	10	13	12	51	93	900
	TG	9	6	21	18	16	71	596
	EHg	-	-	2	181	54	237	436
	all	**4**	**4**	**9**	**18**	**22**	**58**	**1954**
West Bengal	EHm	12	270	-	97	-	378	60
	LG	7	2	4	13	-	26	40
	CHg	2	5	-	4	-	11	18
	all	**5**	**16**	**2**	**13**	**-**	**36**	**118**
A. & N. Islands	Isl	1	-	1	3	-	5	0
India	WHm	0	0	0	1	1	2	40
	EHm	2	5	1	5	9	23	259
	LG	7	2	4	13	-	26	40
	MG	12	7	9	10	34	72	1050
	TG	9	6	21	18	16	71	596
	UG	17	8	2	0	-	28	49
	CHg	3	2	2	10	34	50	2941
	EHg	2	0	0	8	4	15	1241
	WHg	0	1	2	2	8	13	471
	DP	11	3	3	24	2	43	1101
	BG	6	2	1	4	1	13	277
	WC	0	-	-	-	-	0	1
	GC	-	-	0	1	0	1	41
	TD	-	-	-	2	0	2	225
	Isl	1	-	1	3	-	5	0
	all	**3**	**1**	**1**	**6**	**8**	**19**	**8333**

Table 3.1: Reduction in common village land diminished during last 5 years per 1000 hectares of common village land 5 years ago by size-class of village

State / UT	population size-class of village							all	reduction in CPR land (00 ha)
	less than 100	101-200	201-600	601-1200	1201 2000	2001 5000	5000 & above		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Andhra Pradesh	27	88	73	83	253	349	127	1000	894
Arunachal Pradesh	738	-	238	-	6	19	-	1000	22
Assam	208	-	181	242	253	116	-	1000	65
Bihar	16	-	143	551	144	125	22	1000	428
Gujarat	64	-	-	76	215	227	418	1000	41
Haryana	-	-	-	84	51	733	131	1000	23
Himachal Pradesh	-	181	291	23	18	486	-	1000	0
Jammu & Kashmir	30	152	327	35	174	281	1	1000	18
Karnataka	122	-	116	429	32	80	222	1000	362
Kerala	-	-	-	-	-	1000	-	1000	1
Madhya Pradesh	-	-	116	650	150	61	23	1000	355
Maharashtra	-	-	52	721	95	105	27	1000	704
Manipur	-	-	1000	-	-	-	0	1000	2
Meghalaya	29	-	853	118	-	-	-	1000	38
Mizoram	-	778	20	143	37	22	-	1000	35
Nagaland	-	-	-	130	-	867	3	1000	37
Orissa	577	18	91	192	87	34	1	1000	2537
Punjab	-	-	475	252	150	118	5	1000	22
Rajasthan	-	-	128	228	116	110	418	1000	628
Sikkim	-	-	-	-	-	1000	-	1000	0
Tamil Nadu	-	-	-	196	99	648	57	1000	43
Tripura	-	-	-	-	-	46	954	1000	0
Uttar Pradesh	240	-	51	279	117	292	22	1000	1954
West Bengal	-	-	244	93	452	147	64	1000	118
A. & N. Islands	-	-	542	-	-	458	-	1000	0
India	**245**	**19**	**90**	**293**	**125**	**160**	**68**	**1000**	**8333**

Table 4 : Per 1000 distribution of households by access to forest within or outside the village

State / UT	zone	forest within the village		forest outside village only		no forest within or outside village	all	no. of households estd. (00)
		Reserved only	others	Reserved only	others			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Andhra Pradesh	DP	170	94	92	125	519	1000	62917
	BG	64	12	33	150	741	1000	56416
	all	**120**	**56**	**64**	**137**	**624**	**1000**	**119332**
Arunachal Pradesh	EHm	-	256	41	542	161	1000	1625
Assam	EHm	85	142	60	125	587	1000	35114
Bihar	MG	-	64	7	39	890	1000	115358
	CHg	98	430	51	204	216	1000	34900
	all	**23**	**149**	**17**	**77**	**734**	**1000**	**150258**
Gujarat	GC	107	128	10	63	693	1000	54468
Haryana	UG	51	143	-	101	706	1000	25388
Himachal Pradesh	WHm	112	501	54	129	203	1000	10226
Jammu & Kashmir	WHm	27	332	14	174	453	1000	7907
Karnataka	WHg	106	176	9	82	626	1000	29588
	DP	94	138	-	118	650	1000	29609
	WC	264	294	-	127	315	1000	10495
	all	**125**	**177**	**4**	**104**	**590**	**1000**	**69693**
Kerala	WC	40	34	70	47	809	1000	45411
Madhya Pradesh	CHg	32	320	80	184	385	1000	28441
	EHg	58	253	39	223	428	1000	69192
	WHg	-	256	30	101	614	1000	9850
	all	**45**	**270**	**50**	**201**	**433**	**1000**	**107483**
Maharashtra	EHg	296	360	-	167	176	1000	14893
	WHg	100	291	30	59	519	1000	88053
	WC	276	283	73	-	367	1000	8301
	all	**140**	**300**	**30**	**69**	**461**	**1000**	**111247**
Manipur	EHm	79	119	39	187	576	1000	2505
Meghalaya	EHm	30	429	26	438	78	1000	3457
Mizoram	EHm	167	804	-	29	-	1000	718
Nagaland	EHm	54	155	-	443	347	1000	871
Orissa	CHg	155	542	35	158	110	1000	36892
	BG	33	210	87	99	571	1000	26559
	all	**104**	**403**	**57**	**134**	**303**	**1000**	**63451**
Punjab	UG	5	21	6	25	944	1000	27971

Table 4 : Per 1000 distribution of households by access to forest within or outside the village

State / UT	zone	forest within the village		forest outside village only		no forest within or outside village	all	no. of households estd. (00)
		Reserved only	others	Reserved only	others			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Rajasthan	EHg	67	176	49	89	619	1000	42048
	TD	59	138	-	98	705	1000	20329
	all	**65**	**163**	**33**	**92**	**647**	**1000**	**62377**
Sikkim	BG	62	575	191	32	140	1000	849
Tamil Nadu	DP	120	88	125	140	528	1000	41395
	EG	52	160	90	97	600	1000	50708
	WC	133	180	-	-	687	1000	4184
	all	**85**	**130**	**101**	**111**	**573**	**1000**	**96287**
Tripura	EHm	232	116	52	289	311	1000	5602
Uttar Pradesh	WHm	13	836	35	82	35	1000	19429
	MG	40	73	26	95	767	1000	86236
	TG	36	78	11	58	816	1000	117526
	EHg	98	171	130	196	406	1000	6809
	all	**37**	**143**	**22**	**78**	**719**	**1000**	**230000**
West Bengal	EHm	-	-	25	245	729	1000	11521
	LG	4	80	32	87	795	1000	76328
	CHg	72	77	30	84	737	1000	22530
	all	**18**	**71**	**31**	**103**	**777**	**1000**	**110379**
A. & N. Islands	Isl	335	309	199	111	45	1000	426
India	WHm	43	639	36	114	169	1000	37562
	EHm	78	139	48	197	538	1000	61411
	LG	4	80	32	87	795	1000	76328
	MG	17	67	15	63	838	1000	201595
	TG	36	78	11	58	816	1000	117526
	UG	25	75	3	58	838	1000	56499
	CHg	94	382	48	161	315	1000	124442
	EHg	90	236	43	173	459	1000	132941
	WHg	95	252	26	69	558	1000	125812
	DP	137	102	82	128	551	1000	133921
	EG	53	110	66	119	652	1000	135227
	WC	107	117	54	51	672	1000	69827
	GC	111	127	11	63	688	1000	54800
	TD	59	138	-	98	705	1000	20329
	Isl	307	283	183	102	125	1000	465
	all	**68**	**165**	**38**	**104**	**625**	**1000**	**1348687**

Table 5 : Per 1000 distribution of households by extent of use of common village land for collection of different materials and climatic zones

INDIA

zone	no. per 1000 of households living in villages where the material is collected by			all	number of households reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected : **timber**						
WHm	73	35	892	1000	4055	34
EHm	45	60	895	1000	6435	151
LG	-	24	976	1000	1795	6
MG	5	14	981	1000	3775	11
TG	8	3	989	1000	1300	3
UG	-	-	1000	1000	-	-
CHg	46	64	890	1000	13682	42
EHg	23	22	955	1000	5750	20
WHg	8	33	959	1000	5202	15
DP	24	27	948	1000	6910	23
BG	20	40	940	1000	8079	28
WC	9	27	964	1000	2664	8
GC	7	7	986	1000	741	6
TD	16	29	955	1000	915	4
Isl	-	130	870	1000	60	3
all	**18**	**28**	**955**	**1000**	**61361**	**354**
Material collected : **fuelwood**						
WHm	504	65	431	1000	21362	97
EHm	182	222	596	1000	24824	314
LG	109	291	600	1000	30534	91
MG	91	301	608	1000	79084	245
TG	112	253	636	1000	42835	115
UG	136	309	555	1000	25169	109
CHg	321	211	468	1000	66210	208
EHg	312	185	503	1000	63941	202
WHg	336	272	392	1000	76476	238
DP	447	224	329	1000	89868	287
BG	412	224	364	1000	86029	297
WC	130	195	675	1000	24105	82
GC	443	352	204	1000	43595	156
TD	255	309	436	1000	11457	41
Isl	74	265	661	1000	158	9
all	**263**	**246**	**492**	**1000**	**685648**	**2491**

Table 5 : Per 1000 distribution of households by extent of use of common village land for collection of different materials and climatic zones

INDIA

zone	no. per 1000 of households living in villages where the material is collected by			all	number of households reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected : **bamboo / cane/reeds**						
WHm	4	14	982	1000	661	8
EHm	117	129	754	1000	15083	239
LG	8	55	938	1000	4748	13
MG	18	113	869	1000	26423	82
TG	33	50	917	1000	9729	25
UG	6	21	973	1000	1528	4
CHg	36	57	907	1000	11612	37
EHg	34	54	912	1000	11378	37
WHg	17	52	931	1000	8737	28
DP	22	66	912	1000	11792	38
EG	24	62	914	1000	11656	44
WC	-	51	949	1000	3765	11
GC	20	20	960	1000	2181	10
TD	15	29	956	1000	890	4
Isl	55	114	830	1000	79	4
all	**26**	**64**	**911**	**1000**	**120263**	**584**
Material collected : **medicinal plant**						
WHm	9	4	987	1000	490	6
EHm	17	76	906	1000	5746	98
LG	4	8	988	1000	891	3
MG	2	4	994	1000	1208	4
TG	-	4	996	1000	423	1
UG	15	19	966	1000	1931	6
CHg	29	72	899	1000	12522	39
EHg	28	16	957	1000	5547	19
WHg	3	12	985	1000	1883	5
DP	8	31	960	1000	5297	17
EG	7	56	937	1000	8550	27
WC	-	42	958	1000	3099	11
GC	4	28	968	1000	1750	9
TD	-	29	971	1000	594	3
Isl	255	-	745	1000	119	6
All	**9**	**28**	**963**	**1000**	**50049**	**254**

Table 5 : Per 1000 distribution of households by extent of use of common village land for collection of different materials and climatic zones

INDIA

zone	no. per 1000 of households living in villages where the material is collected by			all	number of households reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **kendu leaves**						
WHm	1	3	996	1000	146	3
EHm	9	34	957	1000	2647	34
LG	-	-	1000	1000	-	-
MG	1	6	993	1000	1396	4
TG	-	-	1000	1000	-	-
UG	-	6	994	1000	340	1
CHg	96	72	832	1000	20967	62
EHg	66	55	879	1000	15572	49
WHg	19	13	968	1000	4084	13
DP	5	42	953	1000	6304	19
EG	4	6	990	1000	1411	5
WC	5	-	995	1000	372	1
GC	12	9	979	1000	1177	7
TD	-	29	971	1000	594	3
Isl	-	-	1000	1000	-	-
All	**19**	**21**	**959**	**1000**	**55009**	**201**
Material collected: **other leaves**						
WHm	437	28	535	1000	17474	59
EHm	84	151	764	1000	14468	214
LG	42	184	774	1000	17225	53
MG	39	256	705	1000	59415	182
TG	26	85	889	1000	13096	35
UG	42	54	904	1000	5424	19
CHg	147	185	668	1000	41269	126
EHg	57	124	819	1000	23221	72
WHg	48	134	817	1000	22969	71
DP	41	154	805	1000	26167	83
EG	69	164	767	1000	31523	113
WC	25	62	913	1000	6488	21
GC	65	140	796	1000	11182	42
TD	-	29	971	1000	594	3
Isl	141	114	745	1000	119	6
All	**67**	**149**	**785**	**1000**	**290634**	**1099**

Table 5 : Per 1000 distribution of households by extent of use of common village land for collection of different materials and climatic zones

INDIA

zone	no. per 1000 of households living in villages where the material is collected by			all	number of households reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **thatching materials**						
WHm	41	45	914	1000	3224	26
EHm	73	155	772	1000	13978	225
LG	-	22	978	1000	1715	6
MG	37	207	756	1000	49117	154
TG	67	131	803	1000	23166	62
UG	36	51	913	1000	4916	16
CHg	65	121	815	1000	23041	73
EHg	90	126	784	1000	27823	91
WHg	48	92	860	1000	17592	56
DP	29	142	830	1000	22823	73
BG	54	158	788	1000	28667	86
WC	21	84	895	1000	7780	26
GC	42	112	846	1000	8436	31
TD	154	237	609	1000	7949	30
Isl	74	200	726	1000	127	7
all	**50**	**128**	**822**	**1000**	**240353**	**962**
Material collected: **fodder**						
WHm	483	57	460	1000	20283	76
EHm	122	240	638	1000	22227	225
LG	52	134	813	1000	14245	43
MG	146	370	484	1000	103935	316
TG	89	215	696	1000	35730	97
UG	113	221	666	1000	18863	91
CHg	153	208	639	1000	44979	141
EHg	132	193	675	1000	41812	132
WHg	185	246	569	1000	54275	169
DP	209	239	552	1000	59954	188
BG	222	211	567	1000	58562	206
WC	51	201	747	1000	18731	63
GC	207	379	415	1000	32071	111
TD	106	156	737	1000	5340	19
Isl	17	164	819	1000	84	5
All	**156**	**238**	**606**	**1000**	**531092**	**1882**

Table 5 : Per 1000 distribution of households by extent of use of common village land for collection of different materials and climatic zones

INDIA

zone	no. per 1000 of households living in villages where the material is collected by			all	number of households reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **edible oilseeds**						
WHm	-	2	998	1000	57	1
EHm	5	28	968	1000	1992	23
LG	-	5	995	1000	419	1
MG	3	17	980	1000	4064	13
TG	3	11	986	1000	1654	4
UG	-	9	991	1000	504	2
CHg	55	117	828	1000	21423	65
EHg	18	34	948	1000	6639	21
WHg	7	14	979	1000	2639	9
DP	5	18	977	1000	3053	10
EG	3	7	990	1000	1334	5
WC	20	17	963	1000	2719	8
GC	13	5	982	1000	987	5
TD	-	29	971	1000	594	3
Isl	-	-	1000	1000	-	-
all	**11**	**25**	**964**	**1000**	**48076**	**170**
Material collected: **fruits**						
WHm	16	9	976	1000	915	9
EHm	89	181	731	1000	16527	235
LG	5	37	958	1000	3207	9
MG	13	60	927	1000	14775	46
TG	10	46	944	1000	6634	17
UG	10	29	961	1000	2207	7
CHg	100	146	754	1000	30673	96
EHg	58	66	877	1000	15877	54
WHg	34	97	869	1000	16510	49
DP	28	95	877	1000	16505	54
EG	32	118	850	1000	20274	69
WC	24	101	874	1000	9332	31
GC	37	87	876	1000	6768	26
TD	-	44	956	1000	888	4
Isl	56	70	874	1000	59	4
All	**35**	**85**	**881**	**1000**	**161152**	**710**

Table 5 : Per 1000 distribution of households by extent of use of common village land for collection of different materials and climatic zones

INDIA

zone	no. per 1000 of households living in villages where the material is collected by			all	number of households reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **other edible products**						
WHm	17	4	979	1000	775	5
EHm	19	50	932	1000	4206	71
LG	-	-	1000	1000	-	-
MG	2	25	974	1000	5324	17
TG	-	3	997	1000	312	1
UG	10	2	987	1000	712	3
CHg	54	76	870	1000	16193	52
EHg	26	31	943	1000	7302	25
WHg	9	6	985	1000	1891	6
DP	3	14	983	1000	2275	8
BG	2	14	984	1000	2211	9
WC	16	10	974	1000	1951	5
GC	13	11	976	1000	1321	6
TD	18	68	914	1000	1744	7
Isl	55	-	945	1000	26	2
all	**13**	**22**	**966**	**1000**	**46243**	**217**
Material collected: **lac**						
WHm	-	2	998	1000	57	1
EHm	1	28	970	1000	1821	27
LG	-	3	997	1000	216	1
MG	1	3	996	1000	835	3
TG	-	-	1000	1000	-	-
UG	-	-	1000	1000	-	-
CHg	11	36	953	1000	5851	18
EHg	6	8	986	1000	1759	6
WHg	5	3	992	1000	965	3
DP	-	14	986	1000	1931	6
BG	-	6	994	1000	833	3
WC	-	-	1000	1000	-	-
GC	18	5	977	1000	1244	5
TD	-	29	971	1000	594	3
Isl	-	-	1000	1000	-	-
All	**3**	**9**	**988**	**1000**	**16106**	**76**

Table 5 : Per 1000 distribution of households by extent of use of common village land for collection of different materials and climatic zones

INDIA

zone	no. per 1000 of households living in villages where the material is collected by			all	number of households reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **gums & resins**						
WHm	-	4	996	1000	138	2
EHm	1	24	974	1000	1592	25
LG	-	-	1000	1000	-	-
MG	-	5	995	1000	919	3
TG	-	-	1000	1000	-	-
UG	-	-	1000	1000	-	-
CHg	1	39	959	1000	5066	16
EHg	12	16	972	1000	3572	12
WHg	13	25	962	1000	4759	13
DP	12	30	958	1000	5600	17
BG	-	26	974	1000	3463	12
WC	-	9	991	1000	683	2
GC	8	20	972	1000	1534	7
TD	-	29	971	1000	594	3
Isl	-	-	1000	1000	-	-
all	**4**	**17**	**979**	**1000**	**27920**	**112**
Material collected: **non-edible oilseeds**						
WHm	-	2	998	1000	57	1
EHm	1	22	977	1000	1419	23
LG	-	-	1000	1000	-	-
MG	1	6	992	1000	1536	5
TG	2	-	998	1000	177	1
UG	-	-	1000	1000	-	-
CHg	15	73	912	1000	10914	33
EHg	8	11	981	1000	2455	9
WHg	6	12	982	1000	2269	6
DP	3	31	966	1000	4553	15
BG	-	23	977	1000	3148	12
WC	-	10	990	1000	737	2
GC	1	5	994	1000	355	3
TD	-	29	971	1000	594	3
Isl	-	-	1000	1000	-	-
All	**3**	**18**	**979**	**1000**	**28215**	**113**

Table 5 : Per 1000 distribution of households by extent of use of common village land for collection of different materials and climatic zones

INDIA

zone	no. per 1000 of households living in villages where the material is collected by			all	number of households reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **fibres & flosses**						
WHm	-	2	998	1000	57	1
EHm	2	22	975	1000	1513	32
LG	-	-	1000	1000	-	-
MG	-	4	996	1000	811	3
TG	-	-	1000	1000	-	-
UG	9	43	948	1000	2948	16
CHg	11	19	970	1000	3698	11
EHg	6	9	985	1000	1873	7
WHg	3	3	994	1000	745	2
DP	3	25	972	1000	3773	13
EG	-	24	976	1000	3293	11
WC	-	-	1000	1000	-	-
GC	-	5	995	1000	282	2
TD	-	29	971	1000	594	3
Isl	-	-	1000	1000	-	-
all	**3**	**12**	**985**	**1000**	**19587**	**101**
Material collected: **tans & dyes**						
WHm	-	2	998	1000	57	1
EHm	1	14	985	1000	941	14
LG	-	-	1000	1000	-	-
MG	-	3	997	1000	552	2
TG	3	-	997	1000	397	1
UG	-	6	994	1000	363	1
CHg	-	9	991	1000	1179	4
EHg	13	12	975	1000	3163	11
WHg	3	3	994	1000	745	2
DP	3	8	989	1000	1486	5
EG	-	-	1000	1000	-	-
WC	-	-	1000	1000	-	-
GC	-	14	986	1000	755	4
TD	-	29	971	1000	594	3
Isl	-	-	1000	1000	-	-
All	**2**	**5**	**992**	**1000**	**10232**	**48**

Table 5 : Per 1000 distribution of households by extent of use of common village land for collection of different materials and climatic zones

INDIA

zone	no. per 1000 of households living in villages where the material is collected by			all	number of households reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **honey**						
WHm	7	3	989	1000	411	6
EHm	16	113	871	1000	7927	141
LG	-	6	994	1000	456	2
MG	2	29	969	1000	6237	20
TG	7	10	983	1000	2003	5
UG	-	35	965	1000	1953	8
CHg	6	38	957	1000	5379	17
EHg	15	34	952	1000	6232	21
WHg	21	99	880	1000	15059	44
DP	9	64	927	1000	9808	29
EG	13	60	927	1000	9861	32
WC	-	46	954	1000	3390	10
GC	20	50	931	1000	3805	15
TD	-	29	971	1000	594	3
Isl	-	156	844	1000	72	3
all	**9**	**46**	**946**	**1000**	**73185**	**356**
Material collected: **bee-wax**						
WHm	2	2	997	1000	126	2
EHm	12	59	930	1000	4304	87
LG	-	3	997	1000	240	1
MG	-	12	988	1000	2519	8
TG	-	7	993	1000	829	2
UG	-	7	993	1000	389	2
CHg	1	20	978	1000	2702	9
EHg	13	28	960	1000	5195	17
WHg	6	5	989	1000	1409	4
DP	6	26	968	1000	4291	13
EG	10	33	958	1000	5742	17
WC	-	22	978	1000	1636	4
GC	12	5	983	1000	941	4
TD	-	29	971	1000	594	3
Isl	-	156	844	1000	72	3
All	**5**	**18**	**977**	**1000**	**30990**	**176**

Table 5 : Per 1000 distribution of households by extent of use of common village land for collection of different materials and climatic zones

INDIA

zone	no. per 1000 of households living in villages where the material is collected by			all	number of households reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **animal & birds**						
WHm	-	4	996	1000	156	3
EHm	32	121	847	1000	9368	175
LG	-	9	991	1000	701	2
MG	3	23	974	1000	5316	18
TG	6	15	979	1000	2442	7
UG	-	5	995	1000	271	1
CHg	16	86	897	1000	12775	41
EHg	10	35	955	1000	5741	18
WHg	9	82	910	1000	11351	33
DP	6	72	922	1000	10492	33
BG	8	108	884	1000	15631	53
WC	3	21	976	1000	1809	5
GC	7	6	987	1000	719	4
TD	-	44	956	1000	901	4
Isl	-	-	1000	1000	-	-
all	**8**	**50**	**942**	**1000**	**77674**	**397**
Material collected: **fish**						
WHm	23	4	973	1000	1015	10
EHm	184	268	549	1000	27709	291
LG	62	232	706	1000	22443	69
MG	40	246	714	1000	57685	172
TG	25	134	841	1000	18698	49
UG	-	49	951	1000	2772	9
CHg	71	263	666	1000	41579	127
EHg	31	105	864	1000	17495	52
WHg	27	150	823	1000	22311	68
DP	30	194	777	1000	29885	92
BG	57	308	635	1000	49343	159
WC	34	150	816	1000	13645	54
GC	10	37	954	1000	2533	11
TD	-	35	965	1000	716	4
Isl	0	152	847	1000	71	5
All	**44**	**185**	**772**	**1000**	**307899**	**1172**

Table 5 : Per 1000 distribution of households by extent of use of common village land for collection of different materials and climatic zones

INDIA

zone	no. per 1000 of households living in villages where the material is collected by			all	number of households reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **kattha**						
WHm	-	3	997	1000	128	2
EHm	5	13	982	1000	1121	18
LG	-	-	1000	1000	-	-
MG	2	3	996	1000	870	3
TG	-	5	995	1000	633	1
UG	-	-	1000	1000	-	-
CHg	-	5	995	1000	613	2
EHg	-	9	991	1000	1200	4
WHg	3	3	994	1000	745	2
DP	3	16	981	1000	2515	8
EG	2	-	998	1000	246	1
WC	-	-	1000	1000	-	-
GC	-	5	995	1000	282	2
TD	-	29	971	1000	594	3
Isl	-	-	1000	1000	-	-
All	**1**	**5**	**993**	**1000**	**8947**	**46**

Table 6 : Per 1000 distribution of households with forest within or outside the village of their residence by prevalence of collections of different types of forest produce

INDIA

zone	per 1000 distribution of households living in villages where the material is collected by			all	no. of hhs. residing in villages with forest within or outside and reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **timber**						
WHm	220	118	662	1000	31231	194
EHm	136	158	706	1000	28390	351
LG	21	136	843	1000	15611	50
MG	32	82	886	1000	32755	96
TG	-	21	979	1000	21624	58
UG	-	-	1000	1000	9135	32
CHg	243	123	634	1000	85290	269
EHg	106	50	844	1000	67929	217
WHg	36	64	900	1000	55577	170
DP	53	98	849	1000	60182	194
BG	93	81	827	1000	47022	207
WC	103	98	799	1000	26955	93
GC	71	4	924	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	190	405	405	1000	407	30
all	**106**	**86**	**808**	**1000**	**505174**	**2052**
Material collected: **fuelwood**						
WHm	766	114	120	1000	31231	194
EHm	343	361	296	1000	28390	351
LG	225	346	430	1000	15611	50
MG	174	350	476	1000	32755	96
TG	161	144	696	1000	21624	58
UG	197	205	598	1000	9135	32
CHg	719	160	122	1000	85290	269
EHg	504	252	244	1000	67929	217
WHg	284	208	509	1000	55577	170
DP	485	158	357	1000	60182	194
BG	326	247	427	1000	47022	207
WC	340	347	313	1000	26955	93
GC	297	206	497	1000	17073	68
TD	47	93	860	1000	5991	23
Isl	831	105	64	1000	407	30
all	**433**	**223**	**344**	**1000**	**505174**	**2052**

Table 6 : Per 1000 distribution of households with forest within or outside the village of their residence by prevalence of collections of different types of forest produce

INDIA

zone	per 1000 distribution of households living in villages where the material is collected by			all	no. of hhs. residing in villages with forest within or outside and reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **bamboo / cane/ reeds**						
WHm	11	21	968	1000	31231	194
EHm	244	239	517	1000	28390	351
LG	21	43	936	1000	15611	50
MG	60	157	782	1000	32755	96
TG	15	25	959	1000	21624	58
UG	-	23	977	1000	9135	32
CHg	172	160	668	1000	85290	269
EHg	65	98	837	1000	67929	217
WHg	30	86	884	1000	55577	170
DP	45	121	834	1000	60182	194
EG	118	174	707	1000	47022	207
WC	19	248	733	1000	26955	93
GC	87	9	904	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	335	507	158	1000	407	30
all	**81**	**122**	**797**	**1000**	**505174**	**2052**
Material collected: **medicinal plant**						
WHm	25	17	959	1000	31231	194
EHm	38	195	768	1000	28390	351
LG	28	59	914	1000	15611	50
MG	-	63	937	1000	32755	96
TG	-	30	970	1000	21624	58
UG	-	44	956	1000	9135	32
CHg	62	159	779	1000	85290	269
EHg	42	57	900	1000	67929	217
WHg	-	18	982	1000	55577	170
DP	10	80	910	1000	60182	194
EG	10	75	915	1000	47022	207
WC	11	241	749	1000	26955	93
GC	23	43	934	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	63	344	592	1000	407	30
all	**24**	**88**	**888**	**1000**	**505174**	**2052**

Table 6 : Per 1000 distribution of households with forest within or outside the village of their residence by prevalence of collections of different types of forest produce

INDIA

zone	per 1000 distribution of households living in villages where the material is collected by			all	no. of hhs. residing in villages with forest within or outside and reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **kendu leaves**						
WHm	-	14	986	1000	31231	194
EHm	21	49	930	1000	28390	351
LG	-	102	898	1000	15611	50
MG	22	85	892	1000	32755	96
TG	-	14	986	1000	21624	58
UG	-	-	1000	1000	9135	32
CHg	291	117	592	1000	85290	269
EHg	248	144	608	1000	67929	217
WHg	71	61	868	1000	55577	170
DP	24	74	902	1000	60182	194
BG	27	41	933	1000	47022	207
WC	35	80	885	1000	26955	93
GC	76	21	903	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	-	88	912	1000	407	30
all	**103**	**76**	**821**	**1000**	**505174**	**2052**
Material collected: **other leaves**						
WHm	638	66	295	1000	31231	194
EHm	141	219	640	1000	28390	351
LG	135	236	629	1000	15611	50
MG	161	236	604	1000	32755	96
TG	38	33	930	1000	21624	58
UG	49	97	855	1000	9135	32
CHg	388	210	402	1000	85290	269
EHg	132	217	651	1000	67929	217
WHg	22	167	811	1000	55577	170
DP	80	235	684	1000	60182	194
BG	128	186	686	1000	47022	207
WC	125	225	650	1000	26955	93
GC	144	169	686	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	344	413	243	1000	407	30
all	**183**	**189**	**628**	**1000**	**505174**	**2052**

Table 6 : Per 1000 distribution of households with forest within or outside the village of their residence by prevalence of collections of different types of forest produce

INDIA

zone	per 1000 distribution of households living in villages where the material is collected by			all	no. of hhs. residing in villages with forest within or outside and reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **thatching materials**						
WHm	81	110	809	1000	31231	194
EHm	141	250	608	1000	28390	351
LG	-	97	903	1000	15611	50
MG	126	223	651	1000	32755	96
TG	51	73	876	1000	21624	58
UG	63	72	865	1000	9135	32
CHg	223	153	624	1000	85290	269
EHg	209	193	598	1000	67929	217
WHg	61	146	793	1000	55577	170
DP	116	186	698	1000	60182	194
BG	76	149	775	1000	47022	207
WC	61	205	733	1000	26955	93
GC	78	91	831	1000	17073	68
TD	38	47	914	1000	5991	23
Isl	453	408	139	1000	407	30
all	**124**	**162**	**714**	**1000**	**505174**	**2052**
Material collected: **fodder**						
WHm	667	74	260	1000	31231	194
EHm	88	258	654	1000	28390	351
LG	75	88	837	1000	15611	50
MG	145	229	626	1000	32755	96
TG	11	120	870	1000	21624	58
UG	170	51	778	1000	9135	32
CHg	189	123	689	1000	85290	269
EHg	169	173	659	1000	67929	217
WHg	165	181	654	1000	55577	170
DP	177	145	678	1000	60182	194
BG	125	158	717	1000	47022	207
WC	189	272	539	1000	26955	93
GC	132	224	644	1000	17073	68
TD	-	47	953	1000	5991	23
Isl	70	164	766	1000	407	30
all	**181**	**161**	**657**	**1000**	**505174**	**2052**

Table 6 : Per 1000 distribution of households with forest within or outside the village of their residence by prevalence of collections of different types of forest produce

INDIA

zone	per 1000 distribution of households living in villages where the material is collected by			all	no. of hhs. residing in villages with forest within or outside and reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **edible oilseeds**						
WHm	-	2	998	1000	31231	194
EHm	-	35	965	1000	28390	351
LG	-	14	986	1000	15611	50
MG	20	24	956	1000	32755	96
TG	-	-	1000	1000	21624	58
UG	-	-	1000	1000	9135	32
CHg	143	132	725	1000	85290	269
EHg	30	47	923	1000	67929	217
WHg	9	11	980	1000	55577	170
DP	10	15	975	1000	60182	194
EG	30	-	970	1000	47022	207
WC	-	24	976	1000	26955	93
GC	37	4	959	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	-	-	1000	1000	407	30
all	**36**	**37**	**927**	**1000**	**505174**	**2052**
Material collected: **fruits**						
WHm	25	20	955	1000	31231	194
EHm	112	211	677	1000	28390	351
LG	-	32	968	1000	15611	50
MG	44	105	851	1000	32755	96
TG	21	34	945	1000	21624	58
UG	34	69	898	1000	9135	32
CHg	287	214	500	1000	85290	269
EHg	124	169	708	1000	67929	217
WHg	27	128	845	1000	55577	170
DP	55	147	797	1000	60182	194
EG	88	134	778	1000	47022	207
WC	58	274	668	1000	26955	93
GC	51	150	800	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	63	288	649	1000	407	30
All	**100**	**146**	**754**	**1000**	**505174**	**2052**

Table 6 : Per 1000 distribution of households with forest within or outside the village of their residence by prevalence of collections of different types of forest produce

INDIA

zone	per 1000 distribution of households living in villages where the material is collected by			all	no. of hhs. residing in villages with forest within or outside and reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **other edible products**						
WHm	23	8	969	1000	31231	194
EHm	19	66	915	1000	28390	351
LG	19	21	960	1000	15611	50
MG	-	55	945	1000	32755	96
TG	-	14	986	1000	21624	58
UG	63	-	937	1000	9135	32
CHg	131	115	755	1000	85290	269
EHg	30	39	931	1000	67929	217
WHg	5	31	964	1000	55577	170
DP	4	36	960	1000	60182	194
EG	17	21	962	1000	47022	207
WC	-	95	905	1000	26955	93
GC	41	15	943	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	63	122	814	1000	407	30
All	**34**	**49**	**917**	**1000**	**505174**	**2052**
Material collected: **lac**						
WHm	-	8	992	1000	31231	194
EHm	4	43	953	1000	28390	351
LG	-	-	1000	1000	15611	50
MG	9	35	956	1000	32755	96
TG	-	-	1000	1000	21624	58
UG	-	-	1000	1000	9135	32
CHg	26	62	912	1000	85290	269
EHg	24	19	957	1000	67929	217
WHg	11	6	984	1000	55577	170
DP	4	27	969	1000	60182	194
EG	-	7	993	1000	47022	207
WC	-	21	979	1000	26955	93
GC	46	-	954	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	-	158	842	1000	407	30
All	**12**	**24**	**964**	**1000**	**505174**	**2052**

Table 6 : Per 1000 distribution of households with forest within or outside the village of their residence by prevalence of collections of different types of forest produce

INDIA

zone	per 1000 distribution of households living in villages where the material is collected by			all	no. of hhs. residing in villages with forest within or outside and reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **gums & resins**						
WHm	-	16	984	1000	31231	194
EHm	1	52	947	1000	28390	351
LG	-	19	981	1000	15611	50
MG	9	45	947	1000	32755	96
TG	-	-	1000	1000	21624	58
UG	-	-	1000	1000	9135	32
CHg	15	84	901	1000	85290	269
EHg	29	60	910	1000	67929	217
WHg	23	57	921	1000	55577	170
DP	32	74	893	1000	60182	194
BG	-	61	939	1000	47022	207
WC	28	80	892	1000	26955	93
GC	30	87	882	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	-	90	910	1000	407	30
All	**16**	**58**	**926**	**1000**	**505174**	**2052**
Material collected: **non-edible oilseeds**						
WHm	-	-	1000	1000	31231	194
EHm	-	33	967	1000	28390	351
LG	-	20	980	1000	15611	50
MG	9	32	960	1000	32755	96
TG	-	-	1000	1000	21624	58
UG	-	-	1000	1000	9135	32
CHg	91	106	804	1000	85290	269
EHg	21	22	956	1000	67929	217
WHg	8	23	969	1000	55577	170
DP	15	58	927	1000	60182	194
BG	7	16	977	1000	47022	207
WC	13	95	892	1000	26955	93
GC	-	4	996	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	-	-	1000	1000	407	30
All	**23**	**42**	**936**	**1000**	**505174**	**2052**

Table 6 : Per 1000 distribution of households with forest within or outside the village of their residence by prevalence of collections of different types of forest produce

INDIA

zone	per 1000 distribution of households living in villages where the material is collected by			all	no. of hhs. residing in villages with forest within or outside and reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **fibres & flosses**						
WHm	-	-	1000	1000	31231	194
EHm	2	39	959	1000	28390	351
LG	-	-	1000	1000	15611	50
MG	-	32	968	1000	32755	96
TG	-	-	1000	1000	21624	58
UG	-	-	1000	1000	9135	32
CHg	30	71	899	1000	85290	269
EHg	18	14	969	1000	67929	217
WHg	4	6	990	1000	55577	170
DP	15	50	935	1000	60182	194
EG	-	22	978	1000	47022	207
WC	19	11	970	1000	26955	93
GC	-	-	1000	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	-	-	1000	1000	407	30
all	**11**	**27**	**962**	**1000**	**505174**	**2052**
Material collected: **tans & dyes**						
WHm	-	2	998	1000	31231	194
EHm	1	21	978	1000	28390	351
LG	-	-	1000	1000	15611	50
MG	-	52	948	1000	32755	96
TG	-	-	1000	1000	21624	58
UG	-	-	1000	1000	9135	32
CHg	14	20	966	1000	85290	269
EHg	22	23	955	1000	67929	217
WHg	-	-	1000	1000	55577	170
DP	10	15	974	1000	60182	194
EG	-	-	1000	1000	47022	207
WC	-	-	1000	1000	26955	93
GC	-	28	972	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	-	-	1000	1000	407	30
All	**7**	**14**	**980**	**1000**	**505174**	**2052**

Table 6 : Per 1000 distribution of households with forest within or outside the village of their residence by prevalence of collections of different types of forest produce

INDIA

zone	per 1000 distribution of households living in villages where the material is collected by			all	no. of hhs. residing in villages with forest within or outside and reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **honey**						
WHm	14	26	960	1000	31231	194
EHm	24	271	704	1000	28390	351
LG	41	104	855	1000	15611	50
MG	22	94	884	1000	32755	96
TG	-	39	961	1000	21624	58
UG	34	-	966	1000	9135	32
CHg	18	160	822	1000	85290	269
EHg	46	156	798	1000	67929	217
WHg	16	102	882	1000	55577	170
DP	29	196	775	1000	60182	194
BG	40	162	797	1000	47022	207
WC	11	236	754	1000	26955	93
GC	46	81	873	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	49	391	560	1000	407	30
all	**26**	**141**	**833**	**1000**	**505174**	**2052**
Material collected: **bee-wax**						
WHm	2	2	996	1000	31231	194
EHm	11	152	837	1000	28390	351
LG	-	51	949	1000	15611	50
MG	14	54	932	1000	32755	96
TG	-	16	984	1000	21624	58
UG	34	-	966	1000	9135	32
CHg	4	62	934	1000	85290	269
EHg	18	93	889	1000	67929	217
WHg	-	6	994	1000	55577	170
DP	18	86	895	1000	60182	194
BG	7	105	888	1000	47022	207
WC	11	162	828	1000	26955	93
GC	30	4	965	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	-	230	770	1000	407	30
all	**10**	**67**	**923**	**1000**	**505174**	**2052**

Table 6 : Per 1000 distribution of households with forest within or outside the village of their residence by prevalence of collections of different types of forest produce

INDIA

zone	per 1000 distribution of households living in villages where the material is collected by			all	no. of hhs. residing in villages with forest within or outside and reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **animal & birds**						
WHm	2	18	979	1000	31231	194
EHm	69	229	702	1000	28390	351
LG	-	78	922	1000	15611	50
MG	60	67	873	1000	32755	96
TG	-	39	961	1000	21624	58
UG	34	-	966	1000	9135	32
CHg	49	207	744	1000	85290	269
EHg	31	72	897	1000	67929	217
WHg	0	61	939	1000	55577	170
DP	12	161	827	1000	60182	194
BG	24	198	778	1000	47022	207
WC	-	167	833	1000	26955	93
GC	46	-	954	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	100	301	599	1000	407	30
all	**26**	**120**	**853**	**1000**	**505174**	**2052**
Material collected: **fish**						
WHm	10	6	984	1000	31231	194
EHm	99	181	719	1000	28390	351
LG	-	95	905	1000	15611	50
MG	22	103	875	1000	32755	96
TG	-	22	978	1000	21624	58
UG	-	-	1000	1000	9135	32
CHg	38	63	899	1000	85290	269
EHg	34	48	918	1000	67929	217
WHg	4	76	919	1000	55577	170
DP	6	90	903	1000	60182	194
BG	12	76	911	1000	47022	207
WC	-	98	902	1000	26955	93
GC	-	-	1000	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	-	98	902	1000	407	30
all	**21**	**70**	**909**	**1000**	**505174**	**2052**

Table 6 : Per 1000 distribution of households with forest within or outside the village of their residence by prevalence of collections of different types of forest produce

INDIA

zone	per 1000 distribution of households living in villages where the material is collected by			all	no. of hhs. residing in villages with forest within or outside and reporting collection	
	majority of households	minority of household	none		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Material collected: **kattha**						
WHm	-	2	998	1000	31231	194
EHm	-	18	982	1000	28390	351
LG	-	-	1000	1000	15611	50
MG	-	46	954	1000	32755	96
TG	-	-	1000	1000	21624	58
UG	-	-	1000	1000	9135	32
CHg	-	6	994	1000	85290	269
EHg	9	24	967	1000	67929	217
WHg	-	6	994	1000	55577	170
DP	6	10	984	1000	60182	194
EG	-	-	1000	1000	47022	207
WC	-	-	1000	1000	26955	93
GC	-	-	1000	1000	17073	68
TD	-	-	1000	1000	5991	23
Isl	-	-	1000	1000	407	30
All	**2**	**10**	**988**	**1000**	**505174**	**2052**

Table 7 : Number (per 1000) of households residing in villages with common potable water resources (CPWR) for each climatic zone

State /UT	zone	number (per 1000) of households living in villages with				no. of households
		community tubewells	community wells	other than tubewells & wells	any CPWR	estd. (00)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh	DP	981	709	248	991	62917
	EG	643	750	456	990	56416
	all	**822**	**728**	**346**	**990**	**119332**
Arunachal Pradesh	EHm	217	167	269	449	1625
Assam	EHm	782	512	241	926	35114
Bihar	MG	859	748	143	983	115358
	CHg	818	925	233	1000	34900
	all	**849**	**789**	**164**	**987**	**150258**
Gujarat	GC	785	675	234	982	54468
Haryana	UG	536	697	193	917	25388
Himachal Pradesh	WHm	97	487	424	813	10226
Jammu & Kashmir	WHm	130	310	255	501	7907
Karnataka	WHg	941	628	105	988	29588
	DP	991	661	206	991	29609
	WC	973	990	154	1000	10495
	all	**967**	**697**	**155**	**991**	**69693**
Kerala	WC	583	898	280	928	45411
Madhya Pradesh	CHg	831	777	291	974	28441
	EHg	653	807	368	987	64839
	WHg	685	754	478	1000	9850
	WC	922	864	627	1000	4353
	all	**714**	**797**	**369**	**985**	**107483**
Maharashtra	EHg	901	1000	106	1000	14893
	WHg	858	805	147	978	88053
	WC	598	1000	324	1000	8301
	all	**844**	**846**	**155**	**983**	**111247**
Manipur	EHm	319	176	451	591	2505
Meghalaya	EHm	147	311	668	922	3457
Mizoram	EHm	32	-	336	368	718
Nagaland	**EHm**	**195**	**588**	**435**	**861**	**871**
Orissa	CHg	937	798	195	1000	36892
	EG	988	809	252	1000	26559
	all	**958**	**803**	**219**	**1000**	**63451**
Punjab	UG	254	208	282	575	27971

Table 7 : Number (per 1000) of households residing in villages with common potable water resources (CPWR) for each climatic zone

State /UT	zone	number (per 1000) of households living in villages with				no. of households
		community tubewells	community wells	other than tubewells & wells	any CPWR	estd. (00)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Rajasthan	EHg	682	745	342	982	42048
	TD	402	428	409	849	20329
	all	**591**	**642**	**364**	**938**	**62377**
Sikkim	EG	-	-	806	806	849
Tamil Nadu	DP	910	787	496	971	41395
	EG	874	709	416	981	50708
	WC	811	953	748	1000	4184
	all	**887**	**753**	**465**	**978**	**96287**
Tripura	EHm	974	774	437	974	5602
Uttar Pradesh	WHm	35	61	193	254	19429
	MG	581	680	335	962	86236
	TG	727	540	288	978	117526
	EHg	568	1000	453	1000	6809
	all	**609**	**566**	**303**	**911**	**230000**
West Bengal	EHm	810	619	52	975	11521
	LG	970	189	106	1000	76328
	CHg	983	558	144	1000	22530
	all	**956**	**309**	**108**	**997**	**110379**
A. & N. Islands	Isl	37	867	204	867	426
India	WHm	72	230	269	458	37562
	EHm	718	517	261	906	61411
	LG	970	189	106	1000	76328
	MG	740	719	225	974	201595
	TG	727	540	288	978	117526
	UG	400	424	233	737	56499
	CHg	888	788	218	994	124442
	EHg	687	819	334	988	128588
	WHg	862	757	163	982	125812
	DP	961	723	315	985	133921
	EG	795	738	402	987	135227
	WC	669	922	312	954	74180
	GC	785	677	236	982	54800
	TD	402	428	409	849	20329
	Isl	53	794	187	813	465
	all	**758**	**665**	**266**	**952**	**1348687**

Table 7.1 : Number (per 1000) of households residing in villages with common potable water resources (CPWR) for each population (census '91) size-class of villages

State /UT	population size-class of villages	no. (per 1000) of households living in villages with community tubewells	community wells	other than tubewells & wells	any CPWR	no. of households estd. (00)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh						
	less than 100	101	876	56	876	119
	100 - 200	1000	1000	-	1000	395
	201 - 600	872	497	135	943	4487
	601 - 1200	873	887	414	1000	12807
	1201 - 2000	871	677	256	983	18025
	2001 - 5000	811	725	322	988	48346
	5001 & above	785	726	434	1000	35154
	all	**822**	**728**	**346**	**990**	**119332**
Arunachal Pradesh						
	less than 100	44	44	210	210	241
	100 - 200	-	-	-	-	207
	201 - 600	321	-	227	507	469
	601 - 1200	59	188	232	479	221
	1201 - 2000	390	485	301	765	230
	2001 - 5000	349	532	1000	1000	109
	5001 & above	338	338	338	338	148
	all	**217**	**167**	**269**	**449**	**1625**
Assam						
	less than 100	334	103	-	437	592
	100 - 200	1000	-	-	1000	460
	201 - 600	757	587	201	910	4997
	601 - 1200	736	595	333	983	10500
	1201 - 2000	825	366	197	920	9210
	2001 - 5000	795	573	251	889	8110
	5001 & above	1000	569	99	1000	1244
	all	**782**	**512**	**241**	**926**	**35114**
Bihar						
	less than 100	315	220	654	1000	607
	100 - 200	738	820	-	1000	1734
	201 - 600	783	882	220	1000	16151
	601 - 1200	879	827	151	992	29909
	1201 - 2000	842	829	159	965	26367
	2001 - 5000	876	741	120	994	45872
	5001 & above	838	747	219	982	29619
	all	**849**	**789**	**164**	**987**	**150258**

Table 7.1 : Number (per 1000) of households residing in villages with common potable water resources (CPWR) for each population (census '91) size-class of villages

State /UT	population size-class of villages	no. (per 1000) of households living in villages with				no. of households
		community tubewells	community wells	other than tubewells & wells	any CPWR	estd. (00)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Gujarat						
	less than 100	310	897	103	1000	8
	100 - 200	-	-	-	-	-
	201 - 600	726	750	271	1000	2779
	601 - 1200	669	815	242	1000	9817
	1201 - 2000	844	720	299	1000	13061
	2001 - 5000	826	554	196	966	19313
	5001 & above	760	695	200	965	9491
	all	**785**	**675**	**234**	**982**	**54468**
Haryana						
	less than 100	333	-	-	333	7
	100 - 200	-	-	-	-	-
	201 - 600	322	678	-	1000	743
	601 - 1200	414	407	198	831	3262
	1201 - 2000	460	757	186	857	2819
	2001 - 5000	611	614	235	903	11788
	5001 & above	518	958	143	1000	6769
	all	**536**	**697**	**193**	**917**	**25388**
Himachal Pradesh						
	less than 100	-	279	301	538	816
	100 - 200	57	565	482	936	1297
	201 - 600	47	521	371	774	4335
	601 - 1200	149	444	563	925	2175
	1201 - 2000	225	567	174	741	792
	2001 - 5000	280	473	579	854	744
	5001 & above	-	-	1000	1000	67
	all	**97**	**487**	**424**	**813**	**10226**
Jammu & Kashmir						
	less than 100	-	885	854	885	88
	100 - 200	-	-	-	-	168
	201 - 600	-	200	174	309	2254
	601 - 1200	181	461	385	697	2657
	1201 - 2000	86	311	208	439	1215
	2001 - 5000	256	199	193	484	1395
	5001 & above	688	312	-	1000	130
	all	**130**	**310**	**255**	**501**	**7907**

Table 7.1 : Number (per 1000) of households residing in villages with common potable water resources (CPWR) for each population (census '91) size-class of villages

State /UT	population size-class of villages	no. (per 1000) of households living in villages with				no. of households
		community tubewells	community wells	other than tubewells & wells	any CPWR	estd. (00)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Karnataka						
	less than 100	926	111	731	926	183
	100 - 200	1000	328	-	1000	1474
	201 - 600	1000	473	60	1000	3963
	601 - 1200	975	654	147	1000	13851
	1201 - 2000	953	694	150	974	13713
	2001 - 5000	946	754	167	989	24207
	5001 & above	1000	760	188	1000	12301
	all	**967**	**697**	**155**	**991**	**69693**
Kerala						
	less than 100	-	-	-	-	-
	100 - 200	-	-	-	-	-
	201 - 600	-	-	-	-	-
	601 - 1200	1000	1000	-	1000	246
	1201 - 2000	554	838	313	838	8657
	2001 - 5000	590	911	270	949	36323
	5001 & above	-	1000	1000	1000	185
	all	**583**	**898**	**280**	**928**	**45411**
Madhya Pradesh						
	less than 100	720	375	269	786	1483
	100 - 200	429	361	202	790	1636
	201 - 600	649	712	418	975	25342
	601 - 1200	738	801	319	1000	35908
	1201 - 2000	657	860	415	988	21849
	2001 - 5000	812	881	347	1000	17343
	5001 & above	928	918	457	1000	3923
	all	**714**	**797**	**369**	**985**	**107483**
Maharashtra						
	less than 100	361	361	-	361	54
	100 - 200	-	-	-	-	-
	201 - 600	643	743	176	943	10695
	601 - 1200	859	857	113	977	25051
	1201 - 2000	835	834	183	984	25747
	2001 - 5000	838	914	181	990	29103
	5001 & above	953	806	123	1000	20597
	all	**844**	**846**	**155**	**983**	**111247**

Table 7.1 : Number (per 1000) of households residing in villages with common potable water resources (CPWR) for each population (census '91) size-class of villages

State /UT	population size-class of villages	no. (per 1000) of households living in villages with				no. of households
		community tubewells	community wells	other than tubewells & wells	any CPWR	estd. (00)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Manipur						
	less than 100	257	257	669	926	47
	100 - 200	273	273	273	273	250
	201 - 600	289	159	423	713	350
	601 - 1200	271	186	403	588	503
	1201 - 2000	132	-	200	331	372
	2001 - 5000	483	228	666	735	734
	5001 & above	315	181	467	648	249
	all	**319**	**176**	**451**	**591**	**2505**
Meghalaya						
	less than 100	366	34	971	987	711
	100 - 200	-	431	520	852	551
	201 - 600	99	332	627	893	1280
	601 - 1200	145	506	576	928	561
	1201 - 2000	-	170	830	1000	251
	2001 - 5000	399	601	-	1000	103
	5001 & above	-	-	-	-	-
	all	**147**	**311**	**668**	**922**	**3457**
Mizoram						
	less than 100	265	-	559	824	2
	100 - 200	-	-	-	-	42
	201 - 600	-	-	493	493	245
	601 - 1200	108	-	217	326	208
	1201 - 2000	-	-	-	-	81
	2001 - 5000	-	-	478	478	127
	5001 & above	-	-	1000	1000	13
	all	**32**	**-**	**336**	**368**	**718**
Nagaland						
	less than 100	-	-	-	-	-
	100 - 200	-	1000	-	1000	32
	201 - 600	391	261	603	866	103
	601 - 1200	-	747	104	797	150
	1201 - 2000	120	828	325	828	136
	2001 - 5000	173	497	626	917	360
	5001 & above	572	554	344	735	89
	all	**195**	**588**	**435**	**861**	**871**

Table 7.1 : Number (per 1000) of households residing in villages with common potable water resources (CPWR) for each population (census '91) size-class of villages

State /UT	population size-class of villages	no. (per 1000) of households living in villages with				no. of households estd. (00)
		community tubewells	community wells	other than tubewells & wells	any CPWR	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Orissa						
	less than 100	363	931	153	1000	2117
	100 - 200	681	694	142	1000	3083
	201 - 600	979	703	181	1000	15149
	601 - 1200	1000	841	206	1000	17679
	1201 - 2000	1000	783	250	1000	12490
	2001 - 5000	1000	904	284	1000	11888
	5001 & above	1000	745	255	1000	1044
	all	**958**	**803**	**219**	**1000**	**63451**
Punjab						
	less than 100	-	-	48	48	104
	100 - 200	-	-	-	-	-
	201 - 600	374	372	129	507	2729
	601 - 1200	130	292	322	531	6669
	1201 - 2000	242	146	245	534	6656
	2001 - 5000	238	178	277	590	8634
	5001 & above	490	108	427	790	3179
	all	**254**	**208**	**282**	**575**	**27971**
Rajasthan						
	less than 100	301	301	474	774	80
	100 - 200	-	-	413	413	967
	201 - 600	591	608	309	894	11447
	601 - 1200	517	527	449	942	16405
	1201 - 2000	512	739	338	980	12035
	2001 - 5000	679	714	359	960	16764
	5001 & above	867	759	268	960	4678
	all	**591**	**642**	**364**	**938**	**62377**
Sikkim						
	less than 100	-	-	1000	1000	3
	100 - 200	-	-	1000	1000	15
	201 - 600	-	-	813	813	124
	601 - 1200	-	-	895	895	300
	1201 - 2000	-	-	836	836	167
	2001 - 5000	-	-	686	686	206
	5001 & above	-	-	481	481	36
	all	**-**	**-**	**806**	**806**	**849**

Table 7.1 : Number (per 1000) of households residing in villages with common potable water resources (CPWR) for each population (census '91) size-class of villages

State /UT	population size-class of villages	no. (per 1000) of households living in villages with community tubewells	community wells	other than tubewells & wells	any CPWR	no. of households estd. (00)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Tamil Nadu						
	less than 100	976	-	964	979	209
	100 - 200	1000	-	-	1000	253
	201 - 600	863	810	362	951	4028
	601 - 1200	877	570	418	1000	9114
	1201 - 2000	957	789	338	1000	17318
	2001 - 5000	913	720	487	987	39373
	5001 & above	806	849	548	946	25991
	all	**887**	**753**	**465**	**978**	**96287**
Tripura						
	less than 100	-	-	-	-	-
	100 - 200	-	-	-	-	-
	201 - 600	-	-	-	-	-
	601 - 1200	1000	1000	1000	1000	84
	1201 - 2000	1000	796	433	1000	507
	2001 - 5000	947	807	428	947	2719
	5001 & above	1000	722	427	1000	2292
	all	**974**	**774**	**437**	**974**	**5602**
Uttar Pradesh						
	less than 100	27	27	14	46	10634
	100 - 200	-	-	383	383	1341
	201 - 600	515	489	315	867	29935
	601 - 1200	658	574	311	952	51206
	1201 - 2000	613	567	367	973	51126
	2001 - 5000	701	671	270	983	69326
	5001 & above	654	626	373	975	16431
	all	**609**	**566**	**303**	**911**	**230000**
West Bengal						
	less than 100	919	91	-	929	165
	100 - 200	647	1000	-	1000	736
	201 - 600	922	625	121	1000	9497
	601 - 1200	980	408	115	1000	16360
	1201 - 2000	970	253	181	1000	20887
	2001 - 5000	968	265	55	1000	40198
	5001 & above	928	212	128	987	22536
	all	**956**	**309**	**108**	**997**	**110379**

Table 7.1 : Number (per 1000) of households residing in villages with common potable water resources (CPWR) for each population (census '91) size-class of villages

State /UT	population size-class of villages	no. (per 1000) of households living in villages with				no. of households
		community tubewells	community wells	other than tubewells & wells	any CPWR	estd. (00)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
A. & N. Islands						
	less than 100	-	289	-	289	4
	100 - 200	-	-	-	-	9
	201 - 600	-	1000	-	1000	54
	601 - 1200	-	800	279	800	157
	1201 - 2000	171	853	171	853	93
	2001 - 5000	-	1000	249	1000	110
	5001 & above	-	-	-	-	-
	all	**37**	**867**	**204**	**867**	**426**
India						
	less than 100	185	194	151	366	18273
	100 - 200	497	467	183	829	14650
	201 - 600	666	632	268	921	151345
	601 - 1200	755	681	266	964	265963
	1201 - 2000	760	663	273	959	264604
	2001 - 5000	795	687	252	969	435535
	5001 & above	821	683	298	975	198317
	all	**758**	**665**	**266**	**952**	**1348687**

Table 8: Per 1000 distribution of households by availability of community and government water resources in villages of their residence and presence of local management of common water sources for irrigation for each climatic zone

State/UT	zone	households in villages with local management and water resources belonging to			hhs. in villages without local management and with water resources belonging to			hhs other villages	all	number of households
		community only	govt. only	both	community only	govt. only	both			estd. (00)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	DP	97	124	64	225	100	91	300	1000	62917
	EG	193	149	123	159	95	50	232	1000	56416
	all	**142**	**135**	**92**	**194**	**97**	**72**	**268**	**1000**	**119332**
Arunachal Pradesh	EHm	10	27	-	-	247	57	659	1000	1625
Assam	EHm	16	5	-	262	90	42	585	1000	35114
Bihar	MG	7	25	16	172	157	66	558	1000	115358
	CHg	63	44	-	193	171	101	427	1000	34900
	all	**20**	**29**	**12**	**177**	**160**	**74**	**527**	**1000**	**150258**
Gujarat	GC	32	27	22	263	86	99	471	1000	54468
Haryana	UG	49	-	-	414	109	131	298	1000	25388
Himachal Pradesh	WHm	18	36	20	63	149	64	651	1000	10226
Jammu & Kashmir	WHm	23	31	6	121	135	32	652	1000	7907
Karnataka	WHg	-	12	-	245	126	67	550	1000	29588
	DP	23	-	7	331	150	94	395	1000	29609
	WC	-	-	-	317	204	27	452	1000	10495
	all	**10**	**5**	**3**	**292**	**148**	**72**	**470**	**1000**	**69693**
Kerala	WC	18	31	28	239	114	90	481	1000	45411
Madhya Pradesh	CHg	104	20	22	495	45	155	158	1000	28441
	EHg	13	20	22	232	90	44	580	1000	69192
	WHg	30	28	38	245	93	69	497	1000	9850
	all	**39**	**21**	**23**	**303**	**78**	**76**	**461**	**1000**	**107483**
Maharashtra	EHg	31	47	-	75	332	54	460	1000	14893
	WHg	4	43	16	80	210	61	585	1000	88053
	WC	-	30	-	169	209	45	546	1000	8301
	all	**7**	**43**	**13**	**86**	**226**	**59**	**565**	**1000**	**111247**
Manipur	EHm	71	26	34	193	65	13	598	1000	2505
Meghalaya	EHm	-	11	-	102	127	-	760	1000	3457
Mizoram	EHm	-	-	-	115	103	26	757	1000	718
Nagaland	EHm	56	39	-	216	133	209	348	1000	871
Orissa	CHg	19	9	9	601	86	150	125	1000	36892
	EG	29	-	38	525	11	148	249	1000	26559
	all	**23**	**5**	**21**	**569**	**55**	**149**	**177**	**1000**	**63451**
Punjab	UG	-	6	-	194	51	87	662	1000	27971

Table 8: Per 1000 distribution of households by availability of community and government water resources in villages of their residence and presence of local management of common water sources for irrigation for each climatic zone

State/UT	zone	households in villages with local management and water resources belonging to			hhs. in villages without local management and with water resources belonging to			hhs other villages	all	number of households
		community only	govt. only	both	community only	govt. only	both			estd. (00)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Rajasthan	EHg	60	29	16	128	108	69	591	1000	42048
	TD	6	-	-	399	143	21	431	1000	20329
	all	**42**	**20**	**11**	**216**	**119**	**53**	**539**	**1000**	**62377**
Sikkim	EG	-	17	-	29	192	17	745	1000	849
Tamil Nadu	DP	77	61	84	226	166	99	287	1000	41395
	EG	105	47	100	214	150	210	173	1000	50708
	WC	-	-	193	321	69	354	64	1000	4184
	all	**89**	**51**	**97**	**224**	**154**	**168**	**217**	**1000**	**96287**
Tripura	EHm	-	-	31	310	65	131	464	1000	5602
Uttar Pradesh	WHm	-	-	16	102	75	14	793	1000	19429
	MG	29	3	14	316	40	35	564	1000	86236
	TG	35	-	4	294	85	43	539	1000	117526
	EHg	-	-	-	305	49	44	602	1000	6809
	all	**29**	**1**	**9**	**286**	**66**	**37**	**572**	**1000**	**230000**
West Bengal	EHm	-	-	-	92	-	-	908	1000	11521
	LG	38	26	19	100	86	18	713	1000	76328
	CHg	115	-	16	208	39	16	606	1000	22530
	all	**50**	**18**	**17**	**122**	**67**	**15**	**711**	**1000**	**110379**
A. & N. Islands	Isl	-	-	46	167	116	34	637	1000	426
India	WHm	10	16	15	96	107	32	725	1000	37562
	EHm	13	6	4	214	77	42	645	1000	61411
	LG	38	26	19	100	86	18	713	1000	76328
	MG	16	15	15	234	107	53	560	1000	201595
	TG	35	-	4	294	85	43	539	1000	117526
	UG	22	3	-	285	75	108	507	1000	56499
	CHg	68	20	11	383	102	111	305	1000	124442
	EHg	29	25	16	185	121	53	571	1000	132941
	WHg	5	35	14	133	173	64	576	1000	125812
	DP	74	77	58	249	131	95	317	1000	133921
	EG	126	80	96	250	99	130	219	1000	135227
	WC	13	24	30	245	134	91	463	1000	69827
	GC	32	27	22	262	87	98	473	1000	54800
	TD	6	-	-	399	143	21	431	1000	20329
	Isl	-	-	42	153	106	93	605	1000	465
	all	**41**	**30**	**26**	**236**	**111**	**73**	**483**	**1000**	**1348687**

Table 9 : Per 1000 distribution of households by purpose of fuelwood use for each climatic zone

State/UT	zone	only household use			all	only for enter-prise	for both enterprise and household	fuel wood not used	all	no. of hhs. using fuelwood	
		only cooking	only heating	cooking & heading						estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	DP	253	8	621	882	5	9	103	1000	56351	2792
	EG	222	7	477	707	1	12	280	1000	40597	1838
	all	**239**	**8**	**553**	**799**	**3**	**11**	**186**	**1000**	**96948**	**4630**
Arunachal Pradesh	EHm	236	8	606	849	4	-	133	1000	1387	634
Assam	EHm	344	2	235	581	4	15	400	1000	21032	2019
Bihar	MG	421	4	84	509	5	5	481	1000	61088	3067
	EHg	498	7	192	697	6	80	215	1000	25177	1237
	all	**437**	**4**	**107**	**549**	**5**	**21**	**424**	**1000**	**86265**	**4304**
Gujarat	GC	357	5	358	720	5	6	269	1000	39840	2206
Haryana	UG	171	8	227	407	6	1	586	1000	10513	513
Himachal Pradesh	WHm	61	3	521	585	-	1	412	1000	5985	1136
Jammu & Kashmir	WHm	274	1	216	491	18	3	488	1000	4048	972
Karnataka	WHg	524	1	225	750	1	2	247	1000	22294	955
	DP	114	4	630	748	2	13	236	1000	21476	1041
	WC	151	4	762	917	8	4	71	1000	11124	478
	all	**294**	**3**	**481**	**778**	**3**	**7**	**212**	**1000**	**54893**	**2474**
Kerala	WC	371	1	142	513	12	2	473	1000	23937	1548
Madhya Pradesh	EHg	425	1	142	567	34	60	339	1000	18806	940
	CHg	521	1	196	717	9	55	219	1000	54021	2910
	WHg	686	10	162	858	-	12	130	1000	8573	502
	all	**510**	**2**	**178**	**690**	**15**	**52**	**242**	**1000**	**81401**	**4352**
Maharashtra	CHg	445	13	348	806	-	3	192	1000	7715	343
	EHg & WHg	189	10	442	640	1	13	339	1000	57585	2865
	WC	328	2	311	642	-	6	338	1000	8847	427
	all	**228**	**9**	**418**	**654**	**1**	**11**	**326**	**1000**	**74147**	**3635**
Manipur	EHm	360	2	278	640	52	60	227	1000	1885	667
Meghalaya	EHm	216	-	686	902	3	21	71	1000	3199	965
Mizoram	EHm	154	-	804	958	4	20	13	1000	705	581
Nagaland	EHm	160	6	688	855	3	126	17	1000	856	877
Orissa	EHg	466	2	434	902	1	37	60	1000	34670	1700
	EG	412	1	52	465	3	6	526	1000	12597	760
	all	**443**	**1**	**274**	**719**	**2**	**24**	**255**	**1000**	**47267**	**2460**
Punjab	UG	261	0	254	516	169	1	314	1000	19176	1726

Table 9 : Per 1000 distribution of households by purpose of fuelwood use for each climatic zone

State/UT	zone	only household use			all	only for enter-prise	for both enterprise and household	fuel wood not used	all	no. of hhs. using fuelwood	
		only cooking	only heating	cooking & heading						estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Rajasthan	CHg	197	1	87	285	2	7	706	1000	12355	655
	TD	174	1	266	441	1	4	555	1000	9042	539
	all	**190**	**1**	**145**	**336**	**1**	**6**	**657**	**1000**	**21397**	**1194**
Sikkim	EHm	350	2	161	512	2	178	302	1000	588	679
Tamil Nadu	DP	346	3	318	666	8	2	324	1000	28002	1545
	EG	502	9	234	746	7	4	244	1000	38385	2190
	WC	209	-	72	280	5	5	709	1000	1217	62
	all	**422**	**6**	**263**	**691**	**7**	**3**	**298**	**1000**	**67604**	**3797**
Tripura	EHm	475	-	2	477	17	15	462	1000	2855	575
Uttar Pradesh	WHm	82	1	785	868	-	22	109	1000	17296	451
	MG	260	1	62	324	4	52	616	1000	32780	1582
	TG	338	-	181	519	5	5	470	1000	62166	2643
	CHg	284	-	365	649	5	5	341	1000	4488	216
	all	**286**	**1**	**193**	**479**	**4**	**24**	**490**	**1000**	**116729**	**4892**
West Bengal	EHm	250	-	2	252	2	2	541	1000	2957	119
	LG	472	-	24	497	5	1	475	1000	38477	1909
	EHg	463	-	99	561	1	76	289	1000	14376	694
	all	**447**	**-**	**37**	**484**	**4**	**16**	**444**	**1000**	**55811**	**2722**
A. & N. Islands	Isl	364	3	349	717	-	6	274	1000	323	361
India	WHm	116	2	593	712	4	12	271	1000	27328	2559
	EHm	324	1	219	545	7	18	388	1000	35465	7116
	LG	472	-	24	497	5	1	475	1000	38477	1909
	MG	353	3	75	431	5	25	538	1000	93868	4649
	TG	338	-	181	519	5	5	470	1000	62166	2643
	UG	209	4	229	442	99	1	458	1000	30550	2298
	EHg	446	3	261	709	10	59	209	1000	97216	4775
	CHg	396	2	180	578	6	33	384	1000	78579	4124
	WHg	317	8	351	676	1	11	307	1000	84264	4118
	DP	253	5	528	786	5	8	200	1000	105829	5378
	EG	364	7	302	673	3	8	315	1000	92020	4826
	WC	313	1	262	577	9	4	408	1000	45160	2523
	GC	357	5	357	719	5	6	270	1000	40056	2250
	TD	174	1	266	441	1	4	555	1000	9042	539
	Isl	393	13	328	734	-	6	258	1000	359	421
	all	**340**	**3**	**253**	**597**	**9**	**17**	**371**	**1000**	**840419**	**50150**

Table 9.1 : Per 1000 distribution of households by purpose of fuelwood use for population(census 1991) in each size class of villages

State/UT	population size-class of villages	only household use				only for enter prise	for both enterprise and house-hold use	fuel wood not used	all	no. of hhs. using fuelwood	
		only cooking	only heating	cooking &	all					estd. (00)	sample
(1)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh											
	less than 100	124	-	435	559	-	124	317	1000	81	45
	100 - 200	-	-	1000	1000	-	-	-	1000	395	16
	201 - 600	196	2	687	885	-	84	31	1000	4349	216
	601 - 1200	281	7	600	888	3	5	104	1000	11480	538
	1201 - 2000	298	7	527	832	-	6	158	1000	15108	732
	2001 - 5000	231	6	577	815	4	12	168	1000	40151	1949
	5001 & above	211	11	493	716	3	4	278	1000	25385	1134
	all	**239**	**8**	**553**	**799**	**3**	**11**	**186**	**1000**	**96948**	**4630**
Arunachal Pradesh											
	less than 100	-	-	952	952	-	-	48	1000	229	90
	100 - 200	106	-	888	993	7	-	-	1000	207	80
	201 - 600	324	12	536	873	12	-	115	1000	415	204
	601 - 1200	398	-	507	905	-	-	95	1000	200	119
	1201 - 2000	322	29	596	947	-	-	53	1000	218	86
	2001 - 5000	-	-	262	262	-	-	738	1000	29	21
	5001 & above	317	-	288	604	-	-	253	1000	90	34
	all	**236**	**8**	**606**	**849**	**4**	**-**	**133**	**1000**	**1387**	**634**
Assam											
	less than 100	81	-	778	859	16	50	75	1000	547	85
	100 - 200	303	-	647	951	-	-	49	1000	438	30
	201 - 600	282	-	168	450	4	33	513	1000	2431	230
	601 - 1200	313	1	136	449	5	21	524	1000	4988	476
	1201 - 2000	344	4	247	596	3	4	396	1000	5559	532
	2001 - 5000	452	-	306	758	3	8	229	1000	6231	572
	5001 & above	287	7	380	674	-	-	326	1000	838	94
	all	**344**	**2**	**235**	**581**	**4**	**15**	**400**	**1000**	**21032**	**2019**
Bihar											
	less than 100	708	-	113	821	-	-	179	1000	498	47
	100 - 200	147	-	442	589	-	259	151	1000	1472	80
	201 - 600	454	6	109	569	5	8	416	1000	9404	427
	601 - 1200	433	1	114	548	1	51	397	1000	17950	878
	1201 - 2000	410	6	114	531	4	24	441	1000	14750	720
	2001 - 5000	454	5	100	559	8	6	427	1000	26252	1358
	5001 & above	444	5	85	533	5	4	457	1000	15938	794
	all	**437**	**4**	**107**	**549**	**5**	**21**	**424**	**1000**	**86265**	**4304**

Table 9.1 : Per 1000 distribution of households by purpose of fuelwood use for population(census 1991) in each size class of villages

State/UT	population size-class of villages	only household use				only for enter prise	for both enterprise and house-hold use	fuel wood not used	all	no. of hhs. using fuelwood	
		only cooking	only heating	cooking &	all					estd. (00)	sample
(1)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Gujarat											
	less than 100	414	-	241	655	-	310	34	1000	8	28
	100 - 200	-	-	-	-	-	-	-	-	-	-
	201 - 600	370	1	531	901	17	-	82	1000	2551	163
	601 - 1200	309	6	492	806	1	6	187	1000	7978	420
	1201 - 2000	436	5	311	751	-	20	229	1000	10064	565
	2001 - 5000	391	8	282	681	8	1	310	1000	13326	718
	5001 & above	224	-	392	616	7	-	377	1000	5914	312
	all	**357**	**5**	**358**	**720**	**5**	**6**	**269**	**1000**	**39840**	**2206**
Haryana											
	less than 100	-	-	-	-	-	-	1000	1000	-	-
	100 - 200	-	-	-	-	-	-	-	-	-	-
	201 - 600	164	-	20	184	-	-	816	1000	137	9
	601 - 1200	172	66	120	358	6	-	637	1000	1185	66
	1201 - 2000	45	-	478	523	-	10	467	1000	1502	77
	2001 - 5000	164	-	219	384	9	-	608	1000	4625	218
	5001 & above	236	-	212	448	4	-	547	1000	3064	143
	all	**171**	**8**	**227**	**407**	**6**	**1**	**586**	**1000**	**10513**	**513**
Himachal Pradesh											
	less than 100	8	-	674	682	-	-	318	1000	556	89
	100 - 200	81	-	442	524	-	-	476	1000	679	135
	201 - 600	57	-	567	624	-	-	376	1000	2704	503
	601 - 1200	99	13	497	608	-	3	389	1000	1329	257
	1201 - 2000	-	-	343	343	-	-	657	1000	272	52
	2001 - 5000	64	-	528	592	-	-	368	1000	440	99
	5001 & above	-	-	70	70	-	-	930	1000	5	1
	all	**61**	**3**	**521**	**585**	**-**	**1**	**412**	**1000**	**5985**	**1136**
Jammu & Kashmir											
	less than 100	88	-	861	950	-	-	50	1000	84	21
	100 - 200	-	-	684	684	-	-	316	1000	115	16
	201 - 600	250	2	222	474	-	-	526	1000	1068	278
	601 - 1200	280	1	227	509	53	0	439	1000	1492	326
	1201 - 2000	248	-	223	471	4	7	517	1000	586	150
	2001 - 5000	389	-	41	430	-	8	563	1000	610	152
	5001 & above	33	-	588	721	-	-	279	1000	94	29
	all	**274**	**1**	**216**	**491**	**18**	**3**	**488**	**1000**	**4048**	**972**

Table 9.1 : Per 1000 distribution of households by purpose of fuelwood use for population(census 1991) in each size class of villages

State/UT	population size-class of villages	only household use				only for enterprise	for both enterprise and household use	fuel wood not used	all	no. of hhs. using fuelwood	
		only cooking	only heating	cooking &	all					estd. (00)	sample
(1)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Karnataka											
	less than 100	669	-	288	957	-	-	43	1000	175	51
	100 - 200	-	-	601	601	-	-	399	1000	886	51
	201 - 600	184	6	729	919	6	-	75	1000	3664	206
	601 - 1200	303	-	523	827	-	22	151	1000	11759	525
	1201 - 2000	322	-	438	761	-	5	234	1000	10502	440
	2001 - 5000	262	4	509	775	4	2	219	1000	18916	808
	5001 & above	383	5	332	720	6	5	269	1000	8992	393
	all	**294**	**3**	**481**	**778**	**3**	**7**	**212**	**1000**	**54893**	**2474**
Kerala											
	less than 100	-	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-	-	-
	601 - 1200	933	-	-	933	-	-	67	1000	230	15
	1201 - 2000	378	-	122	501	12	2	485	1000	4460	275
	2001 - 5000	365	1	148	515	12	2	472	1000	19194	1253
	5001 & above	288	-	-	288	-	-	712	1000	53	5
	all	**371**	**1**	**142**	**513**	**12**	**2**	**473**	**1000**	**23937**	**1548**
Madhya Pradesh											
	less than 100	610	-	261	871	3	-	126	1000	1295	79
	100 - 200	719	26	-	744	-	10	246	1000	1234	42
	201 - 600	608	-	175	783	12	25	180	1000	20782	1105
	601 - 1200	476	2	222	700	29	68	203	1000	28610	1494
	1201 - 2000	504	2	177	683	1	39	278	1000	15784	833
	2001 - 5000	493	2	111	606	12	98	283	1000	12417	713
	5001 & above	181	-	143	325	-	1	674	1000	1277	86
	all	**510**	**2**	**178**	**690**	**15**	**52**	**242**	**1000**	**81401**	**4352**
Maharashtra											
	less than 100	167	-	306	472	28	56	444	1000	30	20
	100 - 200	-	-	-	-	-	-	-	-	-	-
	201 - 600	357	5	395	758	-	-	242	1000	8105	403
	601 - 1200	294	6	477	777	1	3	213	1000	19579	938
	1201 - 2000	255	6	411	672	2	31	289	1000	18154	871
	2001 - 5000	167	5	465	637	1	12	351	1000	18901	965
	5001 & above	132	24	299	455	1	0	520	1000	9378	438
	all	**228**	**9**	**418**	**654**	**1**	**11**	**326**	**1000**	**74147**	**3635**

Table 9.1 : Per 1000 distribution of households by purpose of fuelwood use for population(census 1991) in each size class of villages

State/UT	population size-class of villages	only household use				only for enter prise	for both enterprise and house-hold use	fuel wood not used	all	no. of hhs. using fuelwood	
		only cooking	only heating	cooking &	all					estd. (00)	sample
(1)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Manipur											
	less than 100	27	-	348	375	-	74	551	1000	21	57
	100 - 200	323	-	601	923	-	18	-	1000	235	62
	201 - 600	385	-	352	737	-	171	82	1000	318	95
	601 - 1200	235	-	440	675	260	5	60	1000	473	152
	1201 - 2000	595	-	95	690	-	-	310	1000	257	63
	2001 - 5000	365	4	194	564	-	69	329	1000	464	186
	5001 & above	305	10	35	351	-	121	506	1000	117	52
	all	**360**	**2**	**278**	**640**	**52**	**60**	**227**	**1000**	**1885**	**667**
Meghalaya											
	less than 100	222	-	773	994	-	6	-	1000	711	144
	100 - 200	177	-	758	935	-	50	15	1000	543	157
	201 - 600	297	-	575	871	3	7	119	1000	1128	397
	601 - 1200	107	-	805	912	8	46	16	1000	542	185
	1201 - 2000	201	-	624	825	9	-	166	1000	209	64
	2001 - 5000	-	-	601	601	-	50	349	1000	67	18
	5001 & above	-	-	-	-	-	-	-	-	-	-
	all	**216**	**-**	**686**	**902**	**3**	**21**	**71**	**1000**	**3199**	**965**
Mizoram											
	less than 100	647	-	353	1000	-	-	-	1000	2	34
	100 - 200	40	-	960	1000	-	-	-	1000	42	32
	201 - 600	249	-	731	980	-	11	-	1000	243	174
	601 - 1200	98	-	866	965	-	29	-	1000	207	175
	1201 - 2000	46	-	919	965	35	-	-	1000	81	64
	2001 - 5000	177	-	756	933	-	37	30	1000	123	93
	5001 & above	-	-	516	516	-	63	421	1000	8	9
	all	**154**	**-**	**804**	**958**	**4**	**20**	**13**	**1000**	**705**	**581**
Nagaland											
	less than 100	-	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	1000	1000	-	-	-	1000	32	16
	201 - 600	41	-	824	864	-	128	7	1000	103	95
	601 - 1200	268	-	686	954	9	9	28	1000	146	125
	1201 - 2000	300	-	693	993	-	-	7	1000	135	159
	2001 - 5000	131	15	606	752	-	230	17	1000	354	390
	5001 & above	81	-	746	826	10	133	30	1000	87	92
	all	**160**	**6**	**683**	**855**	**3**	**126**	**17**	**1000**	**856**	**877**

Table 9.1 : Per 1000 distribution of households by purpose of fuelwood use for population(census 1991) in each size class of villages

State/UT	population size-class of villages	only household use				only for enter prise	for both enterprise and house-hold use	fuel wood not used	all	no. of hhs. using fuelwood	
		only cooking	only heating	cooking &	all					estd. (00)	sample
(1)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Orissa											
	less than 100	53	-	468	521	-	479	-	1000	2117	92
	100 - 200	621	-	252	873	-	11	116	1000	2726	125
	201 - 600	466	2	362	830	2	7	161	1000	12712	616
	601 - 1200	393	1	328	722	3	3	271	1000	12886	693
	1201 - 2000	463	1	255	719	-	10	271	1000	9104	499
	2001 - 5000	512	2	96	610	1	17	372	1000	7462	417
	5001 & above	217	-	31	248	-	-	752	1000	259	18
	all	**443**	**1**	**274**	**719**	**2**	**24**	**255**	**1000**	**47267**	**2460**
Punjab											
	less than 100	118	-	49	166	53	-	780	1000	23	34
	100 - 200	-	-	-	-	-	-	-	-	-	-
	201 - 600	237	-	125	362	168	-	470	1000	1447	132
	601 - 1200	302	-	261	563	100	-	337	1000	4419	371
	1201 - 2000	173	2	227	402	206	-	391	1000	4050	369
	2001 - 5000	281	-	315	597	172	-	232	1000	6633	606
	5001 & above	330	-	249	580	234	6	181	1000	2603	214
	all	**261**	**0**	**254**	**516**	**169**	**1**	**314**	**1000**	**19176**	**1726**
Rajasthan											
	less than 100	188	-	323	511	-	-	489	1000	41	13
	100 - 200	387	-	298	686	-	-	314	1000	663	32
	201 - 600	196	-	104	300	-	-	700	1000	3439	172
	601 - 1200	182	-	166	348	1	3	648	1000	5782	323
	1201 - 2000	171	2	149	322	1	-	677	1000	3889	214
	2001 - 5000	165	2	156	323	3	8	666	1000	5595	319
	5001 & above	295	-	89	384	-	41	575	1000	1989	121
	all	**190**	**1**	**145**	**336**	**1**	**6**	**657**	**1000**	**21397**	**1194**
Sikkim											
	less than 100	204	-	528	732	-	268	-	1000	3	40
	100 - 200	58	-	942	1000	-	-	-	1000	15	16
	201 - 600	342	-	155	497	-	356	147	1000	106	116
	601 - 1200	317	1	162	480	4	252	265	1000	220	240
	1201 - 2000	449	-	257	706	6	148	140	1000	143	162
	2001 - 5000	396	6	15	417	-	30	530	1000	92	96
	5001 & above	62	-	211	273	-	-	727	1000	10	9
	all	**350**	**2**	**161**	**512**	**2**	**178**	**302**	**1000**	**588**	**679**

Table 9.1 : Per 1000 distribution of households by purpose of fuelwood use for population(census 1991) in each size class of villages

State/UT	population size-class of villages	only household use				only for enter prise	for both enterprise and house-hold use	fuel wood not used	all	no. of hhs. using fuelwood	
		only cooking	only heating	cooking &	all					estd. (00)	sample
(1)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Tamil Nadu											
	less than 100	966	-	33	999	-	-	1	1000	209	45
	100 - 200	235	-	381	616	-	-	384	1000	156	9
	201 - 600	611	-	227	839	-	43	118	1000	3551	196
	601 - 1200	474	0	327	801	8	-	190	1000	7314	412
	1201 - 2000	584	4	245	833	4	-	163	1000	14436	720
	2001 - 5000	424	9	285	717	10	2	271	1000	28646	1659
	5001 & above	258	6	229	493	7	3	497	1000	13041	743
	all	**422**	**6**	**263**	**691**	**7**	**3**	**298**	**1000**	**67604**	**3797**
Tripura											
	less than 100	-	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-	-
	201 - 600	-	-	-		-	-	-	-	-	-
	601 - 1200	1000	-	-	1000	-	-	-	1000	84	16
	1201 - 2000	732	-	-	732	-	-	268	1000	364	70
	2001 - 5000	521	-	1	522	35	13	413	1000	1519	304
	5001 & above	326	-	2	328	2	21	600	1000	794	170
	all	**475**	**-**	**2**	**477**	**17**	**15**	**462**	**1000**	**2855**	**575**
Uttar Pradesh											
	less than 100	23	-	959	983	-	1	17	1000	10457	55
	100 - 200	122	-	615	737	-	-	248	1000	988	63
	201 - 600	224	3	230	457	14	36	493	1000	15119	693
	601 - 1200	338	1	115	454	1	28	516	1000	24737	1150
	1201 - 2000	304	0	129	434	1	27	537	1000	23277	1039
	2001 - 5000	299	0	157	457	5	20	514	1000	33140	1483
	5001 & above	329	-	122	451	8	22	518	1000	7782	361
	all	**286**	**1**	**193**	**479**	**4**	**24**	**490**	**1000**	**116729**	**4892**
West Bengal											
	less than 100	198	-	71	269	-	10	721	1000	46	22
	100 - 200	1000	-	-	1000	-	-	-	1000	657	32
	201 - 600	569	-	74	644	17	37	278	1000	6525	342
	601 - 1200	490	-	23	512	5	24	403	1000	8775	430
	1201 - 2000	407	-	47	454	0	2	506	1000	9451	439
	2001 - 5000	416	-	41	457	-	18	446	1000	18991	914
	5001 & above	438	-	18	456	9	14	494	1000	10746	511
	all	**447**	**-**	**37**	**484**	**4**	**16**	**444**	**1000**	**55811**	**2722**

Table 9.1 : Per 1000 distribution of households by purpose of fuelwood use for population(census 1991) in each size class of villages

State/UT	population size-class of villages	only household use				only for enter prise	for both enterprise and house-hold use	fuel wood not used	all	no. of hhs. using fuelwood	
		only cooking	only heating	cooking &	all					estd. (00)	sample
(1)		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
A. & N. Islands											
	less than 100	658	33	98	789	-	22	189	1000	3	32
	100 - 200	561	67	-	628	-	-	372	1000	6	10
	201 - 600	622	-	247	869	-	-	131	1000	46	57
	601 - 1200	448	2	371	821	-	19	160	1000	125	129
	1201 - 2000	299	-	263	562	-	-	424	1000	51	61
	2001 - 5000	109	-	470	579	-	-	421	1000	61	58
	5001 & above	-	-	-	-	-	-	-	-	-	-
	all	**364**	**3**	**349**	**717**	**-**	**6**	**274**	**1000**	**323**	**361**
India											
	less than 100	128	0	750	877	1	59	62	1000	17137	1123
	100 - 200	347	3	402	752	0	37	209	1000	11487	1004
	201 - 600	376	2	256	634	10	21	333	1000	100458	6845
	601 - 1200	359	3	253	615	9	25	346	1000	172553	10467
	1201 - 2000	358	3	232	593	7	17	379	1000	162529	9266
	2001 - 5000	336	3	248	587	9	13	382	1000	264721	15463
	5001 & above	295	6	233	534	12	7	440	1000	109308	5860
	all	**340**	**3**	**253**	**597**	**9**	**17**	**371**	**1000**	**840419**	**50150**

Table 10 : Number (per 1000) of households using fuelwood by category of household for each climatic zone

State /UT	zone	category of household						all	households reporting no. of households	
		rural labour	others with land possessed (ha)						estd. (00)	samples
			< 0.20	0.20-0.5	0.50 1.00	1.00 or more	all			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	DP	936	778	895	883	879	853	896	62917	3159
	EG	776	552	742	777	698	644	720	56416	2562
	all	**856**	**648**	**831**	**834**	**824**	**761**	**812**	**119333**	**5721**
Arunachal Pradesh	EHm	747	474	933	935	968	862	854	1625	719
Assam	EHm	651	568	706	585	535	574	599	35114	3243
Bihar	MG	591	477	521	436	417	458	518	117875	5861
	EHg	817	546	734	817	832	760	783	32153	1603
	all	**634**	**488**	**560**	**542**	**532**	**528**	**575**	**150028**	**7464**
Gujarat	GC	865	481	793	751	670	644	731	54468	2939
Haryana	UG	572	377	388	376	283	334	414	25388	1222
Himachal Pradesh	WHm	721	357	632	630	546	553	585	10226	1914
Jammu & Kashmi	WHm	427	481	502	509	638	537	512	7907	1719
Karnataka	WHg	828	691	831	806	668	691	753	29588	1300
	DP	809	637	738	755	764	733	764	28125	1330
	WC	959	727	965	961	971	900	929	11980	522
	all	**846**	**675**	**801**	**803**	**742**	**742**	**788**	**69692**	**3152**
Kerala	WC	554	502	499	528	482	502	527	45411	2911
Madhya Pradesh	EHg	647	435	613	651	715	671	661	28441	1440
	CHg	839	659	716	740	749	737	781	69192	3786
	WHg	906	668	1000	942	860	846	870	9850	576
	all	**796**	**606**	**685**	**720**	**752**	**729**	**757**	**107483**	**5802**
Maharashtra	CHg	904	543	49	647	900	723	808	9543	415
EHg &	WHg	735	377	718	689	611	555	654	88053	4339
	WC	760	345	784	747	781	588	648	13651	605
	all	**750**	**390**	**737**	**699**	**651**	**577**	**667**	**111247**	**5359**
Manipur	EHm	656	510	822	857	776	770	753	2505	873
Meghalaya	EHm	954	771	971	915	913	921	926	3457	1040
Mizoram	EHm	1000	888	996	990	1000	981	982	718	594
Nagaland	EHm	1000	914	928	1000	989	982	983	871	895
Orissa	EHg	977	817	902	921	923	895	940	36892	1834
	EG	569	349	463	437	474	418	474	26559	1567
	all	**842**	**533**	**664**	**671**	**761**	**657**	**745**	**63451**	**3401**
Punjab	UG	780	622	510	684	625	622	686	27971	2533

Table 10 : Number (per 1000) of households using fuelwood by category of household for each climatic zone

State /UT	zone	category of household						all	households reporting	
		rural labour	others with land possessed (ha)						no. of households	
			< 0.20	0.20-0.5	0.50-1.00	1.00 or more	all		estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Rajasthan	CHg	371	295	311	252	251	263	294	42048	2274
	TD	647	440	247	326	395	391	445	20329	1227
	all	**444**	**341**	**304**	**263**	**312**	**308**	**343**	**62377**	**3501**
Sikkim	EHm	666	331	790	935	869	701	693	849	936
Tamil Nadu	DP	736	497	746	731	537	581	676	41394	2173
	EG	841	589	710	735	664	654	756	50740	2927
	WC	320	57	94	755	617	228	291	4184	224
	all	**766**	**531**	**694**	**734**	**607**	**611**	**702**	**96319**	**5324**
Tripura	EHm	587	377	523	509	547	453	509	5606	1216
Uttar Pradesh	WHm	918	596	963	994	738	876	890	19429	553
	MG	479	356	417	324	270	341	380	86237	4088
	TG	593	489	604	498	463	499	529	117535	5042
	CHg	636	666	950	823	622	670	659	6809	320
	all	**584**	**446**	**558**	**505**	**417**	**474**	**507**	**230008**	**10003**
West Bengal	EHm	229	275	321	326	240	287	257	11521	512
	LG	598	414	426	430	420	421	503	76501	3720
	EHg	776	483	530	597	464	521	638	22530	1080
	all	**590**	**410**	**442**	**460**	**413**	**430**	**505**	**110552**	**5312**
A.& N. Islands	Isl	761	537	936	914	835	683	723	447	502
India	WHm	793	502	755	813	624	703	728	37562	4186
	EHm	534	458	701	609	606	588	570	62264	10028
	LG	598	414	426	430	420	421	503	76501	3720
	MG	556	422	464	375	353	400	460	204111	9949
	TG	593	489	604	498	463	499	529	117535	5042
	UG	656	495	438	506	444	470	542	56390	3938
	EHg	838	589	706	761	779	727	778	124987	6194
	CHg	721	516	459	470	584	552	616	127592	6795
	WHg	757	448	741	734	650	614	688	122520	5978
	DP	841	651	816	804	788	753	799	132436	6662
	EG	773	518	643	657	628	588	685	134410	7120
	WC	618	463	570	651	739	563	589	76662	4518
	GC	866	475	793	751	669	642	730	54858	3035
	TD	647	440	247	326	395	391	445	20329	1227
	Isl	774	575	969	914	835	704	740	486	566
	all	**709**	**492**	**592**	**581**	**583**	**559**	**623**	**1348695**	**78990**

Table 10.1 : Number (per 1000) of households using fuelwood by category of households for population of each size-class of villages

State /UT	pop. size-class of vill.	category of household: rural labour	others with land possessed (ha): < 0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	no. of households: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh										
	less than 100	665	182	1000	1000	838	698	683	119	61
	100 - 200	1000	1000	1000	-	1000	1000	1000	395	16
	201 - 600	957	1000	1000	1000	978	990	969	4487	224
	601 - 1200	947	816	908	811	839	836	896	12807	607
	1201 - 2000	879	705	764	815	843	792	838	18025	880
	2001 - 5000	845	732	832	872	849	813	830	48346	2350
	5001 & above	808	542	810	733	716	629	722	35155	1583
	all	**856**	**648**	**831**	**834**	**824**	**761**	**812**	**119333**	**5721**
Arunachal Pradesh										
	less than 100	815	1000	1000	1000	1000	1000	952	241	95
	100 - 200	1000	-	1000	-	1000	1000	1000	207	80
	201 - 600	319	399	973	980	970	896	885	469	224
	601 - 1200	1000	462	876	1000	1000	903	905	221	128
	1201 - 2000	1000	628	977	1000	983	941	947	230	96
	2001 - 5000	450	196	544	1000	72	235	262	109	48
	5001 & above	-	649	735	170	694	627	604	148	48
	all	**747**	**474**	**933**	**935**	**968**	**862**	**854**	**1625**	**719**
Assam										
	less than 100	977	532	959	860	956	889	925	592	107
	100 - 200	773	1000	1000	1000	1000	1000	951	460	32
	201 - 600	618	430	587	395	441	444	487	4997	432
	601 - 1200	488	444	666	588	336	468	475	10500	928
	1201 - 2000	647	497	639	497	636	584	604	9210	848
	2001 - 5000	797	682	869	759	764	750	768	8110	768
	5001 & above	895	733	234	469	601	594	674	1244	128
	all	**651**	**568**	**706**	**585**	**535**	**574**	**599**	**35114**	**3243**
Bihar										
	less than 100	861	-	390	921	724	813	821	607	70
	100 - 200	748	930	956	604	1000	872	849	1734	96
	201 - 600	636	422	695	654	486	545	582	16151	724
	601 - 1200	659	442	543	553	638	559	600	29909	1456
	1201 - 2000	594	567	611	431	524	534	559	26367	1328
	2001 - 5000	658	480	546	510	484	500	572	45872	2383
	5001 & above	606	484	461	528	455	479	542	29389	1407
	all	**634**	**488**	**560**	**542**	**532**	**528**	**575**	**150028**	**7464**

Table 10.1 : Number (per 1000) of households using fuelwood by category of households for population of each size-class of villages

State /UT	pop. size-class of vill.	category of household: rural labour	others with land possessed (ha): < 0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	no. of households: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Gujarat										
	less than 100	1000	889	-	-	1000	941	966	8	29
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	1000	915	1000	1000	843	894	918	2779	176
	601 - 1200	950	769	753	753	710	735	813	9817	527
	1201 - 2000	971	366	806	817	724	655	771	13061	704
	2001 - 5000	854	508	699	630	571	571	690	19313	1008
	5001 & above	687	329	882	749	612	567	623	9491	495
	all	**865**	**481**	**793**	**751**	**670**	**644**	**731**	**54468**	**2939**
Haryana										
	less than 100	-	-	-	-	-	-	-	7	39
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	464	298	502	163	-	97	184	743	48
	601 - 1200	362	413	304	306	366	364	363	3262	160
	1201 - 2000	694	603	576	293	422	446	533	2819	144
	2001 - 5000	537	363	354	415	240	312	392	11788	527
	5001 & above	701	354	423	457	287	340	453	6769	304
	all	**572**	**377**	**388**	**376**	**283**	**334**	**414**	**25388**	**1222**
Himachal Pradesh										
	less than 100	726	520	870	644	625	677	682	816	132
	100 - 200	596	413	624	635	379	517	524	1297	253
	201 - 600	765	448	613	629	584	584	624	4335	812
	601 - 1200	741	310	696	670	670	568	611	2175	398
	1201 - 2000	439	191	403	443	202	318	343	792	144
	2001 - 5000	844	323	722	768	518	547	592	743	159
	5001 & above	-	-	161	-	-	82	70	67	16
	all	**721**	**357**	**632**	**630**	**546**	**553**	**585**	**10226**	**1914**
Jammu & Kashmir										
	less than 100	500	-	838	1000	1000	961	950	88	25
	100 - 200	915	-	520	812	520	614	684	168	32
	201 - 600	316	556	327	456	732	516	474	2254	478
	601 - 1200	515	490	681	515	572	575	561	2657	544
	1201 - 2000	345	346	416	567	804	534	483	1215	256
	2001 - 5000	386	554	453	398	449	451	437	1395	336
	5001 & above	824	623	770	809	105	656	721	130	48
	all	**427**	**481**	**502**	**509**	**638**	**537**	**512**	**7907**	**1719**

Table 10.1 : Number (per 1000) of households using fuelwood by category of households for population of each size-class of villages

State /UT	pop. size-class of vill.	category of household: rural labour	others with land possessed (ha): < 0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	no. of households: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Karnataka										
	less than 100	1000	1000	-	1000	826	854	957	183	52
	100 - 200	891	1000	-	156	543	499	601	1474	80
	201 - 600	997	1000	1000	946	860	883	925	3963	222
	601 - 1200	897	719	901	891	800	812	849	13851	624
	1201 - 2000	853	647	634	716	713	699	766	13713	576
	2001 - 5000	826	655	836	816	749	744	781	24207	1039
	5001 & above	779	681	759	773	657	688	731	12301	559
	all	**846**	**675**	**801**	**803**	**742**	**742**	**788**	**69692**	**3152**
Kerala										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-	-
	601 - 1200	1000	846	1000	1000	1000	907	933	246	16
	1201 - 2000	545	489	448	713	392	493	515	8657	527
	2001 - 5000	554	501	520	490	501	504	528	36323	2352
	5001 & above	556	-	-	-	-	-	288	185	16
	all	**554**	**502**	**499**	**528**	**482**	**502**	**527**	**45411**	**2911**
Madhya Pradesh										
	less than 100	988	1000	1000	-	684	781	874	1483	95
	100 - 200	1000	-	-	572	670	638	754	1636	64
	201 - 600	870	725	770	722	794	781	820	25342	1344
	601 - 1200	821	751	661	757	795	782	797	35908	1901
	1201 - 2000	791	574	752	729	662	665	722	21849	1167
	2001 - 5000	750	509	650	696	735	691	716	17343	1008
	5001 & above	301	297	226	600	359	352	326	3922	223
	all	**796**	**606**	**685**	**720**	**752**	**729**	**757**	**107483**	**5802**
Maharashtra										
	less than 100	667	100	-	-	1000	400	556	54	36
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	814	463	776	736	712	685	758	10695	526
	601 - 1200	820	624	836	920	737	742	782	25051	1214
	1201 - 2000	770	592	779	668	616	627	705	25747	1232
	2001 - 5000	706	467	768	649	614	586	649	29103	1471
	5001 & above	656	175	344	440	529	290	455	20598	880
	all	**750**	**390**	**737**	**699**	**651**	**577**	**667**	**111247**	**5359**

Table 10.1 : Number (per 1000) of households using fuelwood by category of households for population of each size-class of villages

State /UT	pop. size-class of vill.	category of household: rural labour	others with land possessed (ha): < 0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	no. of households: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Manipur										
	less than 100	-	-	869	1000	236	449	449	47	73
	100 - 200	844	814	1000	1000	1000	964	942	250	64
	201 - 600	1000	850	966	956	801	895	909	350	112
	601 - 1200	930	370	959	1000	955	941	940	503	160
	1201 - 2000	807	134	467	886	853	665	690	372	96
	2001 - 5000	330	484	805	703	837	700	632	734	272
	5001 & above	518	888	412	347	432	464	472	249	96
	all	**656**	**510**	**822**	**857**	**776**	**770**	**753**	**2505**	**873**
Meghalaya										
	less than 100	1000	1000	1000	1000	1000	1000	1000	711	144
	100 - 200	1000	702	977	1000	1000	982	985	551	160
	201 - 600	926	968	992	769	885	870	881	1280	432
	601 - 1200	1000	651	993	949	1000	960	965	561	192
	1201 - 2000	947	1000	1000	1000	524	806	834	251	80
	2001 - 5000	872	222	155	737	1000	598	651	103	32
	5001 & above	-	-	-	-	-	-	-	-	-
	all	**954**	**771**	**971**	**915**	**913**	**921**	**926**	**3457**	**1040**
Mizoram										
	less than 100	1000	1000	1000	1000	1000	1000	1000	2	34
	100 - 200	-	-	1000	1000	1000	1000	1000	42	32
	201 - 600	1000	914	1000	1000	1000	992	992	245	176
	601 - 1200	1000	959	1000	1000	1000	993	993	208	176
	1201 - 2000	1000	1000	1000	1000	1000	1000	1000	81	64
	2001 - 5000	1000	946	953	942	1000	968	970	127	96
	5001 & above	1000	437	-	1000	-	481	579	13	16
	all	**1000**	**888**	**996**	**990**	**1000**	**981**	**982**	**718**	**594**
Nagaland										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	1000	1000	1000	1000	1000	1000	1000	32	16
	201 - 600	1000	966	1000	1000	1000	992	993	103	96
	601 - 1200	1000	1000	737	1000	987	969	972	150	128
	1201 - 2000	1000	1000	1000	1000	992	993	993	136	160
	2001 - 5000	1000	934	964	1000	985	982	983	360	400
	5001 & above	1000	589	1000	1000	1000	969	970	89	95
	all	**1000**	**914**	**928**	**1000**	**989**	**982**	**983**	**871**	**895**

Table 10.1 : Number (per 1000) of households using fuelwood by category of households for population of each size-class of villages

State /UT	pop. size-class of vill.	category of household: rural labour	others with land possessed (ha): < 0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	no. of households: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Orissa										
	less than 100	1000	1000	1000	1000	1000	1000	1000	2117	92
	100 - 200	984	616	1000	867	921	820	884	3083	144
	201 - 600	888	577	772	747	868	777	839	15149	767
	601 - 1200	829	514	613	682	756	639	729	17679	960
	1201 - 2000	836	594	560	654	702	641	729	12490	703
	2001 - 5000	781	443	565	461	568	498	628	11888	671
	5001 & above	401	-	243	178	292	138	248	1044	64
	all	**842**	**533**	**664**	**671**	**761**	**657**	**745**	**63451**	**3401**
Punjab										
	less than 100	-	113	-	43	287	220	220	104	53
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	757	366	280	671	393	397	530	2729	240
	601 - 1200	707	574	650	755	650	637	663	6669	560
	1201 - 2000	716	604	332	418	509	529	609	6656	608
	2001 - 5000	827	715	619	809	731	723	768	8634	800
	5001 & above	946	690	747	784	841	737	819	3180	272
	all	**780**	**622**	**510**	**684**	**625**	**622**	**686**	**27971**	**2533**
Rajasthan										
	less than 100	833	1000	-	-	277	418	511	80	26
	100 - 200	238	-	-	-	838	817	686	967	48
	201 - 600	415	257	210	210	290	264	300	11447	557
	601 - 1200	463	504	395	322	303	323	352	16405	909
	1201 - 2000	323	274	415	255	334	323	323	12035	684
	2001 - 5000	469	346	271	222	271	279	334	16764	989
	5001 & above	687	314	317	376	294	312	425	4679	288
	all	**444**	**341**	**304**	**263**	**312**	**308**	**343**	**62377**	**3501**
Sikkim										
	less than 100	1000	1000	1000	1000	1000	1000	1000	3	40
	100 - 200	1000	1000	1000	1000	1000	1000	1000	15	16
	201 - 600	854	728	839	928	889	853	853	124	144
	601 - 1200	640	343	844	936	780	768	735	300	320
	1201 - 2000	878	731	777	972	943	855	860	167	192
	2001 - 5000	441	129	849	1000	940	448	446	206	192
	5001 & above	550	171	106	326	1000	198	273	36	32
	all	**666**	**331**	**790**	**935**	**869**	**701**	**693**	**849**	**936**

Table 10.1 : Number (per 1000) of households using fuelwood by category of households for population of each size-class of villages

State /UT	pop. size-class of vill.	category of household: rural labour	others with land possessed (ha): < 0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	no. of households: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Tamil Nadu										
	less than 100	998	1000	1000	1000	1000	1000	999	209	46
	100 - 200	655	-	-	1000	-	392	616	253	16
	201 - 600	913	892	1000	807	786	843	882	4028	223
	601 - 1200	866	529	793	922	700	738	810	9036	528
	1201 - 2000	895	741	832	690	731	744	837	17252	895
	2001 - 5000	809	602	678	697	569	625	729	39321	2273
	5001 & above	565	354	461	678	404	408	503	25927	1327
	all	**766**	**531**	**694**	**734**	**607**	**611**	**702**	**96319**	**5324**
Tripura										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-	-
	601 - 1200	1000	-	-	1000	1000	1000	1000	84	16
	1201 - 2000	694	531	850	932	745	769	732	497	112
	2001 - 5000	641	501	561	516	468	518	570	2663	576
	5001 & above	441	255	358	345	406	294	351	2261	496
	all	**587**	**377**	**523**	**509**	**547**	**453**	**509**	**5606**	**1216**
Uttar Pradesh										
	less than 100	983	353	974	998	932	983	983	10634	73
	100 - 200	461	578	1000	806	801	808	737	1341	80
	201 - 600	548	632	599	481	367	493	507	29824	1376
	601 - 1200	566	375	547	451	435	448	483	51206	2272
	1201 - 2000	546	448	466	435	374	424	461	50524	2252
	2001 - 5000	556	441	518	419	427	447	482	68820	3102
	5001 & above	547	395	546	435	459	449	480	16198	784
	all	**584**	**446**	**558**	**505**	**417**	**474**	**507**	**230008**	**10003**
West Bengal										
	less than 100	142	211	525	1000	281	324	279	165	48
	100 - 200	1000	1000	1000	1000	1000	1000	1000	657	32
	201 - 600	859	532	507	557	663	573	698	9354	480
	601 - 1200	645	386	469	525	504	463	541	16219	816
	1201 - 2000	561	378	362	425	224	356	457	20697	944
	2001 - 5000	542	408	449	434	342	412	476	39930	1888
	5001 & above	563	399	460	400	397	410	480	22397	1056
	all	**590**	**410**	**442**	**460**	**413**	**430**	**505**	**110552**	**5312**

Table 10.1 : Number (per 1000) of households using fuelwood by category of households for population of each size-class of villages

State /UT	pop. size-class of vill.	category of household: rural labour	others with land possessed (ha): < 0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	no. of households: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
A. & N. Islands										
	less than 100	792	794	1000	-	1000	870	811	4	38
	100 - 200	793	500	-	-	607	549	628	9	16
	201 - 600	956	791	1000	1000	731	794	869	52	64
	601 - 1200	840	769	918	863	888	839	840	149	160
	1201 - 2000	729	242	-	1000	1000	368	562	90	96
	2001 - 5000	603	483	-	-	689	517	579	105	112
	5001 & above	-	-	-	-	-	-	-	-	-
	all	**761**	**537**	**936**	**914**	**835**	**683**	**723**	**447**	**502**
India										
	less than 100	970	815	959	975	786	918	938	18273	1408
	100 - 200	854	664	913	733	749	762	788	14571	1277
	201 - 600	772	547	624	593	608	598	665	151091	9909
	601 - 1200	739	510	602	595	624	592	649	265736	15732
	1201 - 2000	713	514	551	538	562	544	616	263734	14884
	2001 - 5000	690	509	574	550	556	542	609	434648	25124
	5001 & above	648	406	536	533	509	468	553	197619	10496
	all	**709**	**492**	**592**	**581**	**583**	**559**	**623**	**1348695**	**78990**

Table 11 : Number (per 1000) of households reporting *collection* of fuelwood from CPR by category of household for population of each climatic zone

State /UT	zone	category of household						all	households reporting no. of households	
		rural labour	others with land possessed (ha)						estd. (00)	samples
			< 0.20	0.20-0.5	0.50 1.00	1.00 or more	all			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	DP	774	490	658	592	588	569	675	42464	2109
	EG	563	306	507	489	396	379	484	27327	1271
	all	**669**	**385**	**594**	**544**	**529**	**485**	**585**	**69791**	**3380**
Arunachal Pradesh	EHm	640	434	922	971	933	839	824	1339	623
Assam	EHm	541	390	526	429	327	388	438	15395	1494
Bihar	MG	505	301	218	141	112	192	334	39402	1931
	EHg	767	423	595	691	659	614	675	21694	1046
	all	**555**	**321**	**286**	**295**	**264**	**290**	**407**	**61096**	**2977**
Gujarat	GC	754	310	595	559	388	413	548	29848	1698
Haryana	UG	491	279	216	108	70	159	271	6875	326
Himachal Pradesh	WHm	704	333	606	593	503	520	556	5682	1079
Jammu & Kashmir	WHm	264	221	322	351	433	348	329	2601	645
Karnataka	WHg	807	517	622	464	378	420	596	17630	778
	DP	631	285	455	440	333	356	468	13170	649
	WC	584	143	340	353	583	399	490	5867	239
	all	**699**	**335**	**474**	**431**	**388**	**389**	**526**	**36668**	**1666**
Kerala	WC	188	63	74	105	42	69	127	5745	357
Madhya Pradesh	EHg	629	400	498	531	622	578	599	17033	837
	CHg	695	301	493	530	455	446	553	38263	2075
	WHg	565	373	249	465	478	463	505	4972	271
	all	**666**	**332**	**491**	**525**	**499**	**483**	**561**	**60268**	**3183**
Maharashtra	CHg	815	407	49	560	538	478	637	6081	271
EHg &	WHg	738	292	498	512	421	396	584	51396	2570
	WC	723	260	657	643	747	503	580	7922	381
	all	**743**	**298**	**564**	**543**	**457**	**421**	**588**	**65398**	**3222**
Manipur	EHm	343	201	446	447	435	405	395	990	408
Meghalaya	EHm	940	548	900	822	854	841	856	2959	903
Mizoram	EHm	978	820	995	1000	994	974	974	699	555
Nagaland	EHm	769	149	259	607	732	659	667	581	630
Orissa	EHg	921	522	783	841	829	752	844	31134	1510
	EG	445	205	253	222	203	217	303	8037	447
	all	**763**	**330**	**495**	**522**	**603**	**486**	**617**	**39171**	**1957**
Punjab	UG	448	164	73	57	27	93	236	6592	579

Table 11 : Number (per 1000) of households reporting *collection* of fuelwood from CPR by category of household for population of each climatic zone

State /UT	zone	category of household						all	households reporting	
		rural labour	others with land possessed (ha)						no. of households	
			< 0.20	0.20-0.5	0.50 1.00	1.00 or more	all		estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Rajasthan	CHg	347	238	324	218	193	218	254	10680	572
	TD	212	87	122	143	70	78	106	2160	130
	all	**311**	**189**	**300**	**206**	**141**	**169**	**206**	**12840**	**702**
Sikkim	EHm	604	223	589	712	563	501	526	446	536
Tamil Nadu	DP	775	447	717	682	528	545	687	28444	1500
	EG	714	352	469	416	302	373	559	28387	1667
	WC	385	24	197	755	617	234	338	1414	72
	all	**725**	**377**	**546**	**518**	**406**	**436**	**605**	**58244**	**3239**
Tripura	EHm	455	138	247	305	289	211	313	1757	372
Uttar Pradesh	WHm	916	577	897	981	709	846	869	16888	428
	MG	476	266	316	195	135	226	297	25649	1252
	TG	391	281	308	200	114	203	262	30844	1347
	CHg	437	470	272	414	320	361	386	2625	132
	all	**470**	**301**	**379**	**307**	**147**	**269**	**330**	**76007**	**3159**
West Bengal	EHm	194	353	196	149	77	227	210	2417	106
	LG	476	255	184	217	160	215	336	25685	1284
	EHg	817	479	505	546	401	486	638	14377	695
	all	**511**	**299**	**253**	**290**	**217**	**273**	**384**	**42478**	**2085**
A. & N. Islands	Isl	728	414	538	734	799	579	656	293	314
India	WHm	759	447	677	764	532	637	670	25171	2152
	EHm	442	333	523	441	415	419	427	26583	5627
	LG	476	255	184	217	160	215	336	25685	1284
	MG	496	285	271	171	122	209	319	65051	3183
	TG	391	281	308	200	114	203	262	30844	1347
	UG	429	204	157	86	50	124	242	13619	919
	EHg	810	463	613	666	670	620	707	88384	4287
	CHg	609	312	375	349	365	356	452	57650	3050
	WHg	733	330	495	474	402	396	570	69852	3420
	DP	751	436	635	561	499	507	635	84078	4258
	EG	604	298	411	380	314	333	475	63822	3393
	WC	336	108	227	278	434	218	273	20958	1051
	GC	753	307	594	558	388	412	546	29979	1723
	TD	212	87	122	143	70	78	106	2160	130
	Isl	715	408	317	734	799	551	635	308	337
	all	**597**	**298**	**389**	**372**	**330**	**337**	**448**	**604160**	**36170**

Table 11.1: Number (per 1000) of households reporting *collection* of fuelwood from CPR category of household for each size-class of village

State /UT	pop. size-class of vill.	category of household: rural labour	others with land possessed (ha): < 0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	households reporting fuelwood collection: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh										
	less than 100	665	182	-	1000	838	677	671	80	44
	100 - 200	1000	1000	1000	-	1000	1000	1000	395	16
	201 - 600	985	720	871	723	948	847	934	4191	206
	601 - 1200	820	546	801	693	588	611	725	9284	425
	1201 - 2000	706	443	577	574	473	495	607	10939	533
	2001 - 5000	674	513	571	524	543	534	611	29552	1455
	5001 & above	530	245	524	441	428	335	437	15351	701
	all	**669**	**385**	**594**	**544**	**529**	**485**	**585**	**69791**	**3380**
Arunachal Pradesh										
	less than 100	631	1000	1000	1000	1000	1000	905	218	85
	100 - 200	-	-	883	-	706	745	733	152	68
	201 - 600	426	377	995	1000	1000	917	907	425	207
	601 - 1200	1000	425	1000	1000	1000	905	907	200	119
	1201 - 2000	1000	628	977	1000	1000	951	955	220	87
	2001 - 5000	507	112	544	1000	381	205	243	27	21
	5001 & above	-	614	735	569	1000	681	656	97	36
	all	**640**	**434**	**922**	**971**	**933**	**839**	**824**	**1339**	**623**
Assam										
	less than 100	977	532	926	771	1000	863	910	538	86
	100 - 200	1000	1000	1000	625	250	722	782	360	26
	201 - 600	539	392	480	291	236	280	343	1716	163
	601 - 1200	578	359	529	462	285	379	448	4699	440
	1201 - 2000	435	306	453	326	306	327	361	3325	322
	2001 - 5000	553	467	539	568	569	533	541	4386	410
	5001 & above	483	190	83	244	263	232	298	371	47
	all	**541**	**390**	**526**	**429**	**327**	**388**	**438**	**15395**	**1494**
Bihar										
	less than 100	861	-	390	921	724	813	821	498	47
	100 - 200	696	930	937	559	854	811	789	1369	73
	201 - 600	609	355	499	607	397	462	522	8433	368
	601 - 1200	564	311	370	317	412	362	446	13336	646
	1201 - 2000	521	356	250	226	260	277	381	10055	477
	2001 - 5000	589	307	248	173	131	216	388	17778	893
	5001 & above	496	271	133	124	108	160	328	9627	473
	all	**555**	**321**	**286**	**295**	**264**	**290**	**407**	**61096**	**2977**

Table 11.1: Number (per 1000) of households reporting *collection* of fuelwood from CPR category of household for each size-class of village

State /UT	pop. size-class of vill.	category of household: rural labour	others with land possessed (ha): < 0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	households reporting fuelwood collection: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Gujarat										
	less than 100	1000	889	-	-	1000	941	966	8	28
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	864	702	785	857	621	686	726	2017	129
	601 - 1200	831	286	584	499	439	435	578	5673	319
	1201 - 2000	812	252	650	583	399	408	556	7261	417
	2001 - 5000	762	361	525	511	286	360	529	10224	556
	5001 & above	601	270	577	556	380	394	492	4665	249
	all	**754**	**310**	**595**	**559**	**388**	**413**	**548**	**29848**	**1698**
Haryana										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	464	-	502	-	-	26	130	96	6
	601 - 1200	308	356	218	180	95	192	230	751	43
	1201 - 2000	322	58	263	74	17	52	146	412	22
	2001 - 5000	495	307	213	82	71	174	289	3403	153
	5001 & above	658	262	171	148	100	177	327	2213	102
	all	**491**	**279**	**216**	**108**	**70**	**159**	**271**	**6875**	**326**
Himachal Pradesh										
	less than 100	726	353	797	462	467	532	551	449	72
	100 - 200	562	419	624	642	377	519	523	678	134
	201 - 600	755	398	583	583	539	544	590	2558	473
	601 - 1200	738	299	691	670	666	562	606	1318	253
	1201 - 2000	323	191	304	391	202	274	285	226	45
	2001 - 5000	844	338	752	768	518	560	603	448	101
	5001 & above	-	-	161	-	-	82	70	5	1
	all	**704**	**333**	**606**	**593**	**503**	**520**	**556**	**5682**	**1079**
Jammu & Kashmir										
	less than 100	-	-	192	1000	1000	908	885	78	16
	100 - 200	915	-	520	812	520	614	684	115	16
	201 - 600	202	297	277	342	500	371	335	755	183
	601 - 1200	246	265	389	310	394	349	326	865	204
	1201 - 2000	246	57	204	343	472	276	268	326	89
	2001 - 5000	242	238	304	261	309	281	272	380	109
	5001 & above	824	623	569	567	140	519	636	83	28
	all	**264**	**221**	**322**	**351**	**433**	**348**	**329**	**2601**	**645**

Table 11.1: Number (per 1000) of households reporting *collection* of fuelwood from CPR category of household for each size-class of village

State /UT	pop. size-class of vill.	category of household: rural labour	others with land possessed (ha): < 0.20	0.20-0.5	0.50-1.00	1.00 or more	all others	all	households reporting fuelwood collection: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Karnataka										
	less than 100	921	-	-	500	338	316	744	136	28
	100 - 200	891	679	-	376	422	422	544	802	44
	201 - 600	770	606	1000	680	369	449	566	2245	133
	601 - 1200	704	233	552	550	467	455	564	7806	344
	1201 - 2000	736	378	428	382	383	385	538	7372	309
	2001 - 5000	679	331	502	381	352	364	507	12285	543
	5001 & above	657	354	331	246	350	339	490	6023	265
	all	**699**	**335**	**474**	**431**	**388**	**389**	**526**	**36668**	**1666**
Kerala										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-	-
	601 - 1200	-	-	-	-	-	-	-	-	-
	1201 - 2000	340	128	93	151	107	119	213	1845	107
	2001 - 5000	154	47	57	86	18	52	102	3715	234
	5001 & above	1000	1000	1000	1000	1000	1000	1000	185	16
	all	**188**	**63**	**74**	**105**	**42**	**69**	**127**	**5745**	**357**
Madhya Pradesh										
	less than 100	656	1000	1000	-	134	401	515	764	59
	100 - 200	1000	-	-	572	670	638	754	1234	42
	201 - 600	778	443	483	573	573	565	659	16698	861
	601 - 1200	683	323	399	554	558	528	587	21086	1124
	1201 - 2000	687	343	592	567	433	448	557	12169	616
	2001 - 5000	530	274	528	326	343	339	421	7297	411
	5001 & above	262	231	118	534	223	258	260	1020	70
	all	**666**	**332**	**491**	**525**	**499**	**483**	**561**	**60268**	**3183**
Maharashtra										
	less than 100	762	100	-	-	1000	400	611	33	22
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	766	419	776	736	493	537	666	7126	353
	601 - 1200	828	490	763	744	531	564	699	17500	828
	1201 - 2000	818	510	650	481	408	461	656	16884	816
	2001 - 5000	677	347	408	465	482	432	562	16355	845
	5001 & above	605	106	190	317	277	166	364	7501	358
	all	**743**	**298**	**564**	**543**	**457**	**421**	**588**	**65398**	**3222**

Table 11.1: Number (per 1000) of households reporting *collection* of fuelwood from CPR category of household for each size-class of village

State /UT	pop. size-class of vill.	category of household: rural labour	others with land possessed (ha): < 0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	households reporting fuelwood collection: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Manipur										
	less than 100	-	-	765	827	913	880	880	41	64
	100 - 200	-	-	101	174	230	135	110	27	16
	201 - 600	1000	1000	966	984	793	915	926	324	96
	601 - 1200	648	109	823	666	331	568	577	290	107
	1201 - 2000	459	134	76	116	258	145	200	74	32
	2001 - 5000	79	78	326	151	405	236	207	152	61
	5001 & above	280	888	160	118	347	337	328	82	32
	all	**343**	**201**	**446**	**447**	**435**	**405**	**395**	**990**	**408**
Meghalaya										
	less than 100	1000	1000	997	840	864	922	925	657	138
	100 - 200	968	526	826	975	1000	907	917	505	144
	201 - 600	932	687	865	732	893	841	859	1099	388
	601 - 1200	1000	195	952	875	854	817	842	473	165
	1201 - 2000	832	1000	573	792	456	642	679	171	54
	2001 - 5000	872	222	422	712	500	442	526	54	14
	5001 & above	-	-	-	-	-	-	-	-	-
	all	**940**	**548**	**900**	**822**	**854**	**841**	**856**	**2959**	**903**
Mizoram										
	less than 100	1000	-	1000	1000	238	455	471	1	16
	100 - 200	-	-	1000	1000	1000	1000	1000	42	32
	201 - 600	1000	914	1000	1000	1000	992	992	243	174
	601 - 1200	1000	1000	1000	1000	1000	1000	1000	208	176
	1201 - 2000	1000	1000	936	1000	1000	988	988	80	62
	2001 - 5000	904	709	1000	1000	1000	961	958	122	90
	5001 & above	1000	87	-	1000	-	159	318	4	5
	all	**978**	**820**	**995**	**1000**	**994**	**974**	**974**	**699**	**555**
Nagaland										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	1000	1000	-	1000	169	319	783	25	13
	201 - 600	1000	178	306	788	831	625	637	66	72
	601 - 1200	308	-	453	393	477	444	430	64	74
	1201 - 2000	699	-	119	542	730	696	697	94	117
	2001 - 5000	941	138	211	754	802	747	757	273	288
	5001 & above	-	-	153	768	742	664	650	58	66
	all	**769**	**149**	**259**	**607**	**732**	**659**	**667**	**581**	**630**

Table 11.1: Number (per 1000) of households reporting *collection* of fuelwood from CPR category of household for each size-class of village

State /UT	pop. size-class of vill.	category of household: rural labour	others with land possessed (ha): < 0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	households reporting fuelwood collection: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Orissa										
	less than 100	1000	1000	1000	1000	1000	1000	1000	2117	92
	100 - 200	963	399	880	778	921	707	807	2487	109
	201 - 600	818	461	613	703	767	675	755	11435	536
	601 - 1200	757	272	371	471	526	408	573	10123	534
	1201 - 2000	741	336	366	486	484	430	570	7124	367
	2001 - 5000	673	227	413	250	409	309	475	5652	303
	5001 & above	343	-	243	178	292	138	224	234	16
	all	**763**	**330**	**495**	**522**	**603**	**486**	**617**	**39171**	**1957**
Punjab										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	375	182	566	91	32	127	218	596	58
	601 - 1200	475	215	-	22	64	107	241	1608	128
	1201 - 2000	486	181	71	44	26	98	263	1748	161
	2001 - 5000	441	150	-	92	-	74	234	2023	176
	5001 & above	387	95	-	146	-	70	194	616	56
	all	**448**	**164**	**73**	**57**	**27**	**93**	**236**	**6592**	**579**
Rajasthan										
	less than 100	-	1000	-	-	-	194	150	12	4
	100 - 200	85	-	-	-	548	535	432	418	17
	201 - 600	371	161	251	184	108	142	197	2256	111
	601 - 1200	224	165	347	205	123	151	166	2728	148
	1201 - 2000	373	254	458	273	201	232	272	3274	178
	2001 - 5000	289	189	250	148	91	135	179	3004	178
	5001 & above	375	170	241	344	155	190	245	1149	66
	all	**311**	**189**	**300**	**206**	**141**	**169**	**206**	**12840**	**702**
Sikkim										
	less than 100	1000	1000	1000	1000	1000	1000	1000	3	40
	100 - 200	1000	1000	1000	1000	1000	1000	1000	15	16
	201 - 600	743	728	784	665	644	719	724	90	102
	601 - 1200	594	245	586	729	611	576	581	174	191
	1201 - 2000	836	336	642	780	572	583	636	106	120
	2001 - 5000	347	97	442	528	324	230	258	53	61
	5001 & above	550	82	-	326	-	76	178	6	6
	all	**604**	**223**	**589**	**712**	**563**	**501**	**526**	**446**	**536**

Table 11.1: Number (per 1000) of households reporting *collection* of fuelwood from CPR category of household for each size-class of village

State /UT	pop. size-class of vill.	category of household: rural labour	others with land possessed (ha): < 0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	households reporting fuelwood collection: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Tamil Nadu										
	less than 100	997	1000	1000	-	568	976	992	207	39
	100 - 200	655	-	-	1000	-	392	616	156	9
	201 - 600	715	578	883	429	238	450	596	2400	150
	601 - 1200	802	380	720	792	514	603	714	6451	362
	1201 - 2000	821	576	609	433	453	515	703	12134	620
	2001 - 5000	786	475	539	485	452	483	654	25707	1458
	5001 & above	547	175	293	488	235	231	422	10938	588
	all	**725**	**377**	**546**	**518**	**406**	**436**	**605**	**58244**	**3239**
Tripura										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-	-
	601 - 1200	1000	-	-	1000	1000	1000	1000	84	16
	1201 - 2000	369	-	78	427	503	299	334	166	34
	2001 - 5000	475	267	233	340	195	264	354	942	198
	5001 & above	403	65	319	208	208	136	239	541	119
	all	**455**	**138**	**247**	**305**	**289**	**211**	**313**	**1757**	**372**
Uttar Pradesh										
	less than 100	978	-	851	996	627	934	954	10141	36
	100 - 200	461	784	1000	806	801	826	752	1008	64
	201 - 600	386	538	472	246	129	307	327	9742	492
	601 - 1200	486	269	400	252	154	256	324	16600	798
	1201 - 2000	418	325	286	246	127	235	290	14642	660
	2001 - 5000	416	243	301	180	138	207	274	18827	870
	5001 & above	463	218	369	185	173	220	299	4838	229
	all	**470**	**301**	**379**	**307**	**147**	**269**	**330**	**76007**	**3159**
West Bengal										
	less than 100	61	211	525	857	281	311	249	41	19
	100 - 200	1000	1000	1000	877	575	824	901	592	28
	201 - 600	753	436	322	468	386	412	561	5245	273
	601 - 1200	606	299	341	348	284	319	442	7166	344
	1201 - 2000	498	284	217	209	157	226	359	7427	354
	2001 - 5000	464	288	249	269	184	258	359	14336	691
	5001 & above	459	288	144	202	83	222	331	7408	362
	all	**511**	**299**	**253**	**290**	**217**	**273**	**384**	**42478**	**2085**

Table 11.1: Number (per 1000) of households reporting *collection* of fuelwood from CPR category of household for each size-class of village

State /UT	pop. size-class of vill.	category of household: rural labour	others with land possessed (ha): < 0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	households reporting fuelwood collection: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
A. & N. Islands										
	less than 100	792	588	500	-	-	463	713	3	28
	100 - 200	793	500	-	-	607	549	628	6	10
	201 - 600	882	766	-	391	529	595	728	38	38
	601 - 1200	906	647	665	747	893	766	821	123	122
	1201 - 2000	726	242	-	1000	1000	368	560	51	60
	2001 - 5000	477	208	-	-	621	275	422	44	44
	5001 & above	-	-	-	-	-	-	-	-	-
	all	**728**	**414**	**538**	**734**	**799**	**579**	**656**	**293**	**314**
India										
	less than 100	929	779	878	957	574	845	877	16025	963
	100 - 200	830	543	832	685	631	666	713	10385	877
	201 - 600	681	435	509	458	400	433	528	79807	5574
	601 - 1200	650	312	444	391	384	379	484	128659	7921
	1201 - 2000	619	332	344	332	305	322	448	118225	6667
	2001 - 5000	552	291	325	288	271	289	408	177191	10202
	5001 & above	520	215	277	268	235	235	370	73092	3912
	all	**597**	**298**	**389**	**372**	**330**	**337**	**448**	**604160**	**36170**

Table 12 : Number (per 1000) of households reporting sale of fuelwood collected from CPR by category of households for each climatic zone

State /UT	zone	category of household						all	households reporting	
		rural labour	others with land possessed (ha)						estd. (00)	samples
			<0.20-	0.20-0.5	0.50-1.00	1.00 or more	all			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	DP	20	8	13	5	10	9	15	938	41
	EG	13	-	7	11	4	3	9	500	25
	all	**17**	**4**	**10**	**8**	**8**	**7**	**12**	**1439**	**66**
Arunachal Pradesh	EHm	-	22	41	82	15	29	27	43	18
Assam	EHm	123	27	53	40	14	28	59	2072	213
Bihar	MG	3	9	-	6	1	4	3	409	35
	EHg	40	20	46	72	36	44	42	1356	69
	all	**10**	**10**	**8**	**25**	**11**	**13**	**12**	**1765**	**104**
Gujarat	GC	2	2	-	3	-	1	1	80	5
Haryana	UG	4	-	14	-	-	1	2	52	3
Himachal Pradesh	WHm	-	-	-	-	-	-	-	-	-
Jammu & Kashmir	WHm	33	30	42	32	29	34	34	265	59
Karnataka	WHg	2	-	-	-	-	-	1	23	1
	DP	2	-	-	-	-	-	1	19	1
	WC	13	-	51	-	-	4	8	98	4
	all	**4**	-	**9**	-	-	**1**	**2**	**140**	**6**
Kerala	WC	4	9	-	-	-	5	4	188	16
Madhya Pradesh	EHg	27	-	-	-	7	5	14	399	19
	CHg	46	15	59	25	5	10	25	1751	99
	WHg	58	-	-	-	12	9	29	289	16
	all	**42**	**10**	**37**	**13**	**6**	**9**	**23**	**2440**	**134**
Maharashtra	CHg	13	2	23	-	-	1	6	62	5
EHg &	WHg	2	-	-	-	-	-	1	119	7
	WC	34	12	23	20	-	13	20	276	13
	all	**6**	**3**	**11**	**4**	-	**2**	**4**	**457**	**25**
Manipur	EHm	44	3	43	83	70	59	56	141	72
Meghalaya	EHm	152	33	7	16	17	15	36	123	49
Mizoram	EHm	-	25	39	45	126	64	61	44	41
Nagaland	EHm	62	74	11	77	65	63	63	55	71
Orissa	EHg	52	141	144	53	22	74	62	2286	91
	EG	29	24	27	-	-	14	20	520	25
	all	**44**	**70**	**80**	**26**	**14**	**44**	**44**	**2806**	**116**
Punjab	UG	2	-	-	-	-	-	1	25	2

Table 12 : Number (per 1000) of households reporting sale of fuelwood collected from CPR by category of households for each climatic zone

State /UT	zone	category of household						all	households reporting	
		rural labour	others with land possessed (ha)							
			<0.20-	0.20-0.5	0.50-1.00	1.00 or more	all		estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Rajasthan	CHg	-	6	-	-	-	1	1	22	1
	TD	22	-	-	126	3	10	13	261	14
	all	**6**	**4**	**-**	**19**	**1**	**4**	**5**	**283**	**15**
Sikkim	Ehm	-	-	-	-	-	-	-	-	-
Tamil Nadu	DP	5	-	-	-	-	-	3	122	9
	EG	9	11	33	4	-	11	10	508	34
	WC	7	-	-	166	431	61	24	99	6
	all	**7**	**6**	**19**	**7**	**5**	**8**	**8**	**729**	**49**
Tripura	Ehm	59	18	6	-	-	10	30	170	31
Uttar Pradesh	WHm	-	2	-	-	-	0	0	4	1
	MG	9	4	4	5	-	3	5	403	24
	TG	1	3	-	-	-	1	1	92	5
	CHg	16	-	-	-	-	-	5	34	4
	all	**4**	**3**	**2**	**2**	**-**	**2**	**2**	**534**	**34**
West Bengal	EHm	-	-	-	-	-	-	-	-	-
	LG	3	6	-	2	-	3	3	237	19
	EHg	8	13	-	-	-	3	5	124	9
	all	**4**	**6**	**-**	**2**	**-**	**3**	**3**	**361**	**28**
A. & N. Islands	Isl	-	-	-	-	-	-	-	-	-
India	WHm	6	5	9	7	9	8	7	270	60
	EHm	78	17	32	34	19	24	43	2649	495
	LG	3	6	-	2	-	3	3	237	19
	MG	5	6	2	5	1	4	4	812	59
	TG	1	3	-	-	-	1	1	92	5
	UG	3	-	8	-	-	1	1	77	5
	EHg	34	50	52	36	18	33	33	4165	188
	CHg	30	8	20	9	3	5	15	1869	109
	WHg	6	-	-	-	1	1	4	431	24
	DP	11	4	6	2	5	4	8	1079	51
	EG	14	9	24	5	1	9	11	1528	84
	WC	9	8	8	10	6	8	9	661	39
	GC	2	2	-	3	-	1	1	80	5
	TD	22	-	-	126	3	10	13	261	14
	Isl	-	-	-	-	-	-	-	-	-
	all	**14**	**9**	**11**	**10**	**4**	**8**	**11**	**14213**	**1157**

Table 12.1: Per 1000 number of households reporting sale of fuelwood collected from CPR per 1000 households by household type for each size class of villages

State /UT	pop. size-class of vill.	hh type: rural labour	others with land possessed (ha): <0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	households reporting: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh										
	less than 100	67	-	-	-	81	57	62	7	2
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	147	-	64	80	26	47	110	495	22
	601 - 1200	7	-	31	-	12	9	8	105	5
	1201 - 2000	34	13	-	-	15	10	23	407	15
	2001 - 5000	9	-	3	-	3	1	6	267	14
	5001 & above	2	5	14	13	6	7	4	157	8
	all	**17**	**4**	**10**	**8**	**8**	**7**	**12**	**1439**	**66**
Arunachal Pradesh										
	less than 100	-	314	-	233	66	127	94	23	9
	100 - 200	-	-	30	-	-	7	7	1	1
	201 - 600	-	-	-	43	14	16	15	7	4
	601 - 1200	-	-	-	-	-	-	-	-	-
	1201 - 2000	-	-	-	-	-	-	-	-	-
	2001 - 5000	-	-	-	-	-	-	-	-	-
	5001 & above	-	26	268	-	130	84	81	12	4
	all	**-**	**22**	**41**	**82**	**15**	**29**	**27**	**43**	**18**
Assam										
	less than 100	531	532	280	182	200	228	353	209	25
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	172	259	95	61	32	56	84	421	36
	601 - 1200	167	13	80	54	12	33	79	828	81
	1201 - 2000	71	29	16	16	2	11	29	272	30
	2001 - 5000	85	6	28	28	6	15	42	343	41
	5001 & above	-	-	-	-	-	-	-	-	-
	all	**123**	**27**	**53**	**40**	**14**	**28**	**59**	**2072**	**213**
Bihar										
	less than 100	-	-	-	242	206	205	168	102	8
	100 - 200	51	-	-	-	-	-	10	17	1
	201 - 600	16	11	21	51	19	27	22	361	20
	601 - 1200	16	5	6	22	25	17	17	495	23
	1201 - 2000	23	22	32	47	8	23	23	603	37
	2001 - 5000	2	13	-	-	-	4	3	139	10
	5001 & above	3	1	-	-	-	0	2	48	5
	all	**10**	**10**	**8**	**25**	**11**	**13**	**12**	**1765**	**104**

Table 12.1: Per 1000 number of households reporting sale of fuelwood collected from CPR per 1000 households by household type for each size class of villages

State /UT	pop. size-class of vill.	hh type: rural labour	hh type: others with land possessed (ha) <0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	households reporting: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Gujarat										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	4	-	-	-	-	-	1	2	1
	601 - 1200	-	-	-	-	-	-	-	-	-
	1201 - 2000	-	-	-	-	-	-	-	-	-
	2001 - 5000	6	5	-	12	-	3	4	78	4
	5001 & above	-	-	-	-	-	-	-	-	-
	all	**2**	**2**	**-**	**3**	**-**	**1**	**1**	**80**	**5**
Haryana										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-	-
	601 - 1200	31	-	74	-	-	9	16	52	3
	1201 - 2000	-	-	-	-	-	-	-	-	-
	2001 - 5000	-	-	-	-	-	-	-	-	-
	5001 & above	-	-	-	-	-	-	-	-	-
	all	**4**	**-**	**14**	**-**	**-**	**1**	**2**	**52**	**3**
Himachal Pradesh										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-	-
	601 - 1200	-	-	-	-	-	-	-	-	-
	1201 - 2000	-	-	-	-	-	-	-	-	-
	2001 - 5000	-	-	-	-	-	-	-	-	-
	5001 & above	-	-	-	-	-	-	-	-	-
	all	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Jammu & Kashmir										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	33	9	14	11	25	6
	601 - 1200	36	6	88	36	53	52	48	129	28
	1201 - 2000	-	-	-	-	-	-	-	-	-
	2001 - 5000	32	59	28	40	50	42	40	56	15
	5001 & above	572	623	369	242	-	333	425	55	10
	all	**33**	**30**	**42**	**32**	**29**	**34**	**34**	**265**	**59**

Table 12.1: Per 1000 number of households reporting sale of fuelwood collected from CPR per 1000 households by household type for each size class of villages

State /UT	pop. size-class of vill.	hh type: rural labour	hh type: others with land possessed (ha) <0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	households reporting: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Karnataka										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-	-
	601 - 1200	4	-	-	-	-	-	2	23	1
	1201 - 2000	-	-	-	-	-	-	-	-	-
	2001 - 5000	7	-	22	-	-	2	4	98	4
	5001 & above	3	-	-	-	-	-	2	19	1
	all	**4**	**-**	**9**	**-**	**-**	**1**	**2**	**140**	**6**
Kerala										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-	-
	601 - 1200	-	-	-	-	-	-	-	-	-
	1201 - 2000	5	-	-	-	-	-	2	19	1
	2001 - 5000	3	11	-	-	-	6	5	169	15
	5001 & above	-	-	-	-	-	-	-	-	-
	all	**4**	**9**	**-**	**-**	**-**	**5**	**4**	**188**	**16**
Madhya Pradesh										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	93	-	194	23	19	24	54	1380	74
	601 - 1200	35	15	-	12	-	3	15	538	25
	1201 - 2000	17	22	-	-	4	5	11	237	12
	2001 - 5000	24	1	43	19	3	6	14	245	18
	5001 & above	19	-	-	-	-	-	10	40	5
	all	**42**	**10**	**37**	**13**	**6**	**9**	**23**	**2440**	**134**
Maharashtra										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-	-
	601 - 1200	6	9	41	18	-	7	6	160	9
	1201 - 2000	8	8	-	-	-	2	5	139	6
	2001 - 5000	10	1	1	-	-	0	5	157	10
	5001 & above	-	-	-	-	-	-	-	-	-
	all	**6**	**3**	**11**	**4**	**-**	**2**	**4**	**457**	**25**

Table 12.1: Per 1000 number of households reporting sale of fuelwood collected from CPR per 1000 households by household type for each size class of villages

State /UT	pop. size-class of vill.	hh type: rural labour	others with land possessed (ha): <0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	households reporting: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Manipur										
	less than 100	-	-	220	168	78	111	111	5	24
	100 - 200	-	-	73	-	-	22	18	5	3
	201 - 600	66	-	-	297	241	216	197	69	19
	601 - 1200	194	-	84	88	22	61	76	38	14
	1201 - 2000	-	-	-	-	-	-	-	-	-
	2001 - 5000	23	7	28	-	104	36	33	25	12
	5001 & above	-	-	-	-	-	-	-	-	-
	all	**44**	**3**	**43**	**83**	**70**	**59**	**56**	**141**	**72**
Meghalaya										
	less than 100	-	-	-	-	106	18	18	12	12
	100 - 200	167	382	27	-	-	22	46	26	5
	201 - 600	102	-	-	47	-	12	30	38	15
	601 - 1200	491	-	-	-	32	18	84	47	17
	1201 - 2000	-	-	-	-	-	-	-	-	-
	2001 - 5000	-	-	-	-	-	-	-	-	-
	5001 & above	-	-	-	-	-	-	-	-	-
	all	**152**	**33**	**7**	**16**	**17**	**15**	**36**	**123**	**49**
Mizoram										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	77	85	778	252	252	11	9
	201 - 600	-	-	-	48	-	18	18	4	6
	601 - 1200	-	62	94	68	225	116	107	22	18
	1201 - 2000	-	30	-	-	32	17	17	1	2
	2001 - 5000	-	-	56	-	80	40	38	5	5
	5001 & above	-	-	-	1000	-	78	63	1	1
	all	**-**	**25**	**39**	**45**	**126**	**64**	**61**	**44**	**41**
Nagaland										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	254	178	-	80	135	124	129	13	16
	601 - 1200	-	-	-	-	-	-	-	-	-
	1201 - 2000	-	-	56	146	63	68	66	9	10
	2001 - 5000	173	-	-	-	40	36	43	15	24
	5001 & above	-	-	74	475	204	196	192	17	21
	all	**62**	**74**	**11**	**77**	**65**	**63**	**63**	**55**	**71**

Table 12.1: Per 1000 number of households reporting sale of fuelwood collected from CPR per 1000 households by household type for each size class of villages

State /UT	pop. size-class of vill.	hh type: rural labour	others with land possessed (ha): <0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	households reporting: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Orissa										
	less than 100	106	944	951	603	189	680	522	1105	26
	100 - 200	28	-	-	-	-	-	11	34	1
	201 - 600	46	-	20	-	-	3	27	415	21
	601 - 1200	34	7	4	-	13	7	20	348	20
	1201 - 2000	56	26	-	10	8	12	32	397	25
	2001 - 5000	45	61	67	-	11	41	43	507	23
	5001 & above	-	-	-	-	-	-	-	-	-
	all	**44**	**70**	**80**	**26**	**14**	**44**	**44**	**2806**	**116**
Punjab										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-	-
	601 - 1200	-	-	-	-	-	-	-	-	-
	1201 - 2000	4	-	-	-	-	-	2	11	1
	2001 - 5000	-	-	-	-	-	-	-	-	-
	5001 & above	11	-	-	-	-	-	4	14	1
	all	**2**	**-**	**-**	**-**	**-**	**-**	**1**	**25**	**2**
Rajasthan										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-	-
	601 - 1200	27	30	-	68	4	15	17	283	15
	1201 - 2000	-	-	-	-	-	-	-	-	-
	2001 - 5000	-	-	-	-	-	-	-	-	-
	5001 & above	-	-	-	-	-	-	-	-	-
	all	6	4	-	19	1	4	5	283	15
Sikkim										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-	-
	601 - 1200	-	-	-	-	-	-	-	-	-
	1201 - 2000	-	-	-	-	-	-	-	-	-
	2001 - 5000	-	-	-	-	-	-	-	-	-
	5001 & above	-	-	-	-	-	-	-	-	-
	all	-	-	-	-	-	-	-	-	-

Table 12.1: Per 1000 number of households reporting sale of fuelwood collected from CPR per 1000 households by household type for each size class of villages

State /UT	pop. size-class of vill.	hh type: rural labour	hh type: others with land possessed (ha) <0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	households reporting: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Tamil Nadu										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	-	235	321	29	-	96	43	173	11
	601 - 1200	-	-	-	-	-	-	-	-	-
	1201 - 2000	21	1	28	-	-	5	15	263	15
	2001 - 5000	5	3	-	-	-	1	4	142	10
	5001 & above	3	3	-	36	24	9	6	151	13
	all	**7**	**6**	**19**	**7**	**5**	**8**	**8**	**729**	**49**
Tripura										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-	-
	601 - 1200	-	-	-	-	-	-	-	-	-
	1201 - 2000	40	-	-	-	-	-	20	10	2
	2001 - 5000	45	48	-	-	-	18	30	79	16
	5001 & above	68	-	19	-	-	3	28	64	10
	all	**59**	**18**	**6**	**-**	**-**	**10**	**30**	**170**	**31**
Uttar Pradesh										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	5	1	-	-	-	0	1	38	2
	601 - 1200	14	7	8	8	-	5	8	390	26
	1201 - 2000	-	7	-	-	-	2	1	59	4
	2001 - 5000	1	-	-	-	-	-	0	22	1
	5001 & above	5	-	-	-	-	-	2	26	1
	all	**4**	**3**	**2**	**2**	**-**	**2**	**2**	**534**	**34**
West Bengal										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	-	28	-	-	-	5	3	27	1
	601 - 1200	8	6	-	-	-	2	4	73	8
	1201 - 2000	4	-	-	-	-	-	2	39	5
	2001 - 5000	5	3	-	5	-	2	4	149	8
	5001 & above	-	12	-	-	-	6	3	72	5
	all	**4**	**6**	**-**	**2**	**-**	**3**	**3**	**361**	**28**

Table 12.1: Per 1000 number of households reporting sale of fuelwood collected from CPR per 1000 households by household type for each size class of villages

State /UT	pop. size-class of vill.	hh type: rural labour	hh type: others with land possessed (ha) <0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	households reporting: estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
A. & N. Islands										
	less than 100	-	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-	-
	601 - 1200	-	-	-	-	-	-	-	-	-
	1201 - 2000	-	-	-	-	-	-	-	-	-
	2001 - 5000	-	-	-	-	-	-	-	-	-
	5001 & above	-	-	-	-	-	-	-	-	-
	all	-	-	-	-	-	-	-	-	-
india										
	less than 100	28	465	130	52	67	112	80	1464	106
	100 - 200	16	4	7	0	2	3	6	93	20
	201 - 600	38	13	21	19	9	13	23	3470	254
	601 - 1200	21	6	13	16	5	8	13	3529	293
	1201 - 2000	15	8	6	6	3	5	9	2467	165
	2001 - 5000	8	6	4	3	1	4	6	2495	230
	5001 & above	4	3	3	5	3	3	3	675	85
	all	**14**	**9**	**11**	**10**	**4**	**8**	**11**	**14213**	**1157**

Table 13: Average quantity and value of collection and sale of fuelwood collected from CPR during last 365 days by category of households

category of household	collection		sale		no. of hhs	
	quantity (Qtl)	value (Rs)	quantity (Qtl)	value (Rs)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Andhra Pradesh			
rural labour	612	426	25	20	64766	2965
'other' with land						
less than 0.20	327	238	20	20	20368	1139
0.20 - 0.50	482	343	21	23	6340	321
0.50 - 1.00	539	358	20	20	8113	366
1.00 or more	570	389	15	11	19745	930
others: all	465	323	18	17	54566	2756
all households	**545**	**379**	**22**	**19**	**119333**	**5721**
			Arunachal Pradesh			
rural labour	1194	1269	-	-	121	59
'other' with land						
less than 0.20	1223	1247	20	40	294	115
0.20 - 0.50	4750	6690	40	60	219	86
0.50 - 1.00	4362	2743	210	75	195	84
1.00 or more	8111	7309	56	29	796	375
others: all	5790	5442	66	42	1504	660
all households	**5448**	**5131**	**61**	**39**	**1625**	**719**
			Assam			
rural labour	686	516	206	129	11550	1067
'other' with land						
less than 0.20	607	547	125	125	4008	416
0.20 - 0.50	1006	770	359	245	2772	333
0.50 - 1.00	645	597	156	144	6228	542
1.00 or more	415	383	9	6	10555	885
others: all	578	513	109	91	23563	2176
all households	**614**	**514**	**141**	**103**	**35114**	**3243**
			Bihar			
rural labour	573	423	19	12	66441	3192
'other' with land						
less than 0.20	427	323	77	40	21957	1208
0.20 - 0.50	310	248	36	25	15016	812
0.50 - 1.00	330	239	44	24	17709	858
1.00 or more	309	223	25	18	28904	1394
others: all	345	257	45	26	83587	4272
all households	**446**	**331**	**34**	**20**	**150028**	**7464**

Table 13: Average quantity and value of collection and sale of fuelwood collected from CPR during last 365 days by category of households

category of household	collection		sale		no. of hhs	
	quantity (Qtl)	value (Rs)	quantity (Qtl)	value (Rs)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Gujarat			
rural labour	680	545	1	1	21546	1161
'other' with land						
less than 0.20	295	260	0	0	8863	540
0.20 - 0.50	479	440	-	-	3731	201
0.50 - 1.00	429	342	1	0	4436	214
1.00 or more	335	300	-	-	15893	823
others: all	353	311	0	0	32923	1778
all households	**483**	**404**	**0**	**0**	**54468**	**2939**
			Haryana			
rural labour	604	503	2	2	8563	389
'other' with land						
less than 0.20	241	205	-	-	5838	309
0.20 - 0.50	265	238	20	20	1347	67
0.50 - 1.00	83	73	-	-	1766	79
1.00 or more	87	72	-	-	7874	378
others: all	154	131	2	2	16825	833
all households	**306**	**257**	**2**	**2**	**25388**	**1222**
			Himachal Pradesh			
rural labour	1390	958	-	-	1964	368
'other' with land						
less than 0.20	459	339	-	-	1702	326
0.20 - 0.50	1198	1029	-	-	2512	465
0.50 - 1.00	1161	929	-	-	1955	360
1.00 or more	1076	928	-	-	2092	395
others: all	1006	838	-	-	8262	1546
all households	**1080**	**861**	**-**	**-**	**10226**	**1914**
			Jammu & Kashmir			
rural labour	469	386	86	120	1817	348
'other' with land						
less than 0.20	263	230	38	73	751	203
0.20 - 0.50	581	499	78	84	1713	389
0.50 - 1.00	571	411	55	58	2034	394
1.00 or more	731	470	46	46	1593	385
others: all	578	429	57	64	6091	1371
all households	**553**	**419**	**64**	**77**	**7907**	**1719**

Table 13: Average quantity and value of collection and sale of fuelwood collected from CPR during last 365 days by category of households

category of household	collection		sale		no. of hhs	
	quantity (Qtl)	value (Rs)	quantity (Qtl)	value (Rs)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Karnataka			
rural labour	619	523	2	2	30789	1341
'other' with land						
less than 0.20	300	249	-	-	8138	473
0.20 - 0.50	297	299	4	7	2649	133
0.50 - 1.00	405	323	-	-	6032	259
1.00 or more	407	312	-	-	22084	946
others: all	377	300	0	1	38903	1811
all households	**484**	**398**	**1**	**1**	**69692**	**3152**
			Kerala			
rural labour	244	240	7	8	21901	1350
'other' with land						
less than 0.20	216	239	126	142	12195	852
0.20 - 0.50	109	94	-	-	5425	366
0.50 - 1.00	151	95	-	-	3204	184
1.00 or more	80	68	-	-	2686	159
others: all	167	166	65	74	23510	1561
all households	**204**	**202**	**37**	**42**	**45411**	**2911**
			Madhya Pradesh			
rural labour	679	589	105	82	45539	2446
'other' with land						
less than 0.20	246	220	5	3	6866	502
0.20 - 0.50	825	878	394	408	2795	166
0.50 - 1.00	581	523	77	114	6724	338
1.00 or more	613	579	4	5	45559	2350
others: all	578	547	30	35	61944	3356
all households	**621**	**565**	**62**	**55**	**107483**	**5802**
			Maharashtra			
rural labour	645	568	6	8	57650	2706
'other' with land						
less than 0.20	206	185	2	2	17558	965
0.20 - 0.50	561	720	13	13	4066	205
0.50 - 1.00	443	477	2	2	5130	236
1.00 or more	475	457	-	-	26842	1247
others: all	390	390	2	2	53597	2653
all households	**522**	**482**	**4**	**5**	**111247**	**5359**

Table 13: Average quantity and value of collection and sale of fuelwood collected from CPR during last 365 days by category of households

category of household	collection		sale		no. of hhs	
	quantity (Qtl)	value (Rs)	quantity (Qtl)	value (Rs)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Manipur			
rural labour	1312	723	39	53	382	126
'other' with land						
less than 0.20	228	323	1	1	330	109
0.20 - 0.50	1101	978	269	275	420	152
0.50 - 1.00	1166	1085	216	261	682	220
1.00 or more	1540	1215	323	341	692	266
others: all	1129	988	228	250	2123	747
all households	**1157**	**947**	**199**	**220**	**2505**	**873**
			Meghalaya			
rural labour	2789	1166	342	216	520	166
'other' with land						
less than 0.20	953	439	8	17	155	54
0.20 - 0.50	1788	850	2	3	740	215
0.50 - 1.00	2210	921	21	16	777	203
1.00 or more	3324	1359	65	32	1265	402
others: all	2517	1066	34	20	2937	874
all households	**2558**	**1081**	**81**	**49**	**3457**	**1040**
			Mizoram			
rural labour	5609	2336	-	-	31	30
'other' with land						
less than 0.20	4349	1505	33	8	89	87
0.20 - 0.50	5694	2315	162	38	176	144
0.50 - 1.00	6884	2967	164	57	224	165
1.00 or more	8572	3631	585	147	198	168
others: all	6738	2802	268	72	687	564
all households	**6688**	**2782**	**256**	**69**	**718**	**594**
			Nagaland			
rural labour	3304	1863	155	122	65	52
'other' with land						
less than 0.20	1996	1191	832	464	53	53
0.20 - 0.50	1208	798	31	24	46	65
0.50 - 1.00	3414	2166	376	256	52	49
1.00 or more	3106	2273	272	198	654	676
others: all	2945	2111	302	209	805	843
all households	**2972**	**2092**	**291**	**203**	**871**	**895**

Table 13: Average quantity and value of collection and sale of fuelwood collected from CPR during last 365 days by category of households

category of household	collection		sale		no. of hhs	
	quantity (Qtl)	value (Rs)	quantity (Qtl)	value (Rs)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Orissa			
rural labour	1065	622	46	34	30110	1568
'other' with land						
less than 0.20	638	408	236	168	10108	604
0.20 - 0.50	951	983	199	151	5415	305
0.50 - 1.00	825	493	69	51	6929	356
1.00 or more	968	563	30	23	10889	568
others: all	835	570	128	93	33341	1833
all households	**944**	**595**	**89**	**65**	**63451**	**3401**
			Punjab			
rural labour	1079	826	4	3	11274	984
'other' with land						
less than 0.20	344	269	-	-	7397	740
0.20 - 0.50	170	132	-	-	950	87
0.50 - 1.00	116	111	-	-	1305	110
1.00 or more	53	54	-	-	7045	612
others: all	193	158	-	-	16697	1549
all households	**550**	**427**	**2**	**1**	**27971**	**2533**
			Rajasthan			
rural labour	419	379	14	11	16106	851
'other' with land						
less than 0.20	238	199	2	2	5576	399
0.20 - 0.50	288	249	-	-	3777	212
0.50 - 1.00	239	202	43	34	6695	348
1.00 or more	194	137	2	1	30223	1691
others: all	214	163	8	6	46271	2650
all households	**267**	**219**	**9**	**7**	**62377**	**3501**
			Sikkim			
rural labour	1732	805	-	-	202	201
'other' with land						
less than 0.20	599	286	-	-	194	216
0.20 - 0.50	2110	1009	-	-	180	218
0.50 - 1.00	2853	1281	-	-	142	155
1.00 or more	2144	924	-	-	132	146
others: all	1828	835	-	-	647	735
all households	**1805**	**828**	**-**	**-**	**849**	**936**

Table 13: Average quantity and value of collection and sale of fuelwood collected from CPR during last 365 days by category of households

category of household	collection		sale		no. of hhs	
	quantity (Qtl)	value (Rs)	quantity (Qtl)	value (Rs)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Tamil Nadu			
rural labour	589	563	4	3	56184	2953
'other' with land						
less than 0.20	293	316	26	50	17083	1122
0.20 - 0.50	536	566	54	151	6568	375
0.50 - 1.00	428	423	10	24	7062	391
1.00 or more	343	320	1	1	9422	483
others: all	368	377	22	51	40135	2371
all households	**497**	**486**	**11**	**23**	**96319**	**5324**
			Tripura			
rural labour	502	326	93	65	2351	510
'other' with land						
less than 0.20	369	224	158	82	1556	355
0.20 - 0.50	367	241	17	7	707	150
0.50 - 1.00	408	294	-	-	619	131
1.00 or more	335	184	-	-	372	70
others: all	372	237	79	41	3254	706
all households	**427**	**274**	**85**	**51**	**5606**	**1216**
			Uttar Pradesh			
rural labour	549	416	8	6	70301	2999
'other' with land						
less than 0.20	406	335	8	5	37681	1829
0.20 - 0.50	468	409	1	0	31300	1442
0.50 - 1.00	402	353	1	1	40243	1566
1.00 or more	217	185	-	-	50484	2167
others: all	357	307	2	1	159708	7004
all households	**416**	**340**	**4**	**3**	**230008**	**10003**
			West Bengal			
rural labour	431	286	6	5	51742	2421
'other' with land						
less than 0.20	235	175	24	28	21634	1155
0.20 - 0.50	177	117	-	-	13278	684
0.50 - 1.00	271	162	3	2	13905	607
1.00 or more	239	137	-	-	9993	445
others: all	231	152	9	11	58810	2891
all households	**324**	**215**	**8**	**8**	**110552**	**5312**

Table 13: Average quantity and value of collection and sale of fuelwood collected from CPR during last 365 days by category of households

category of household	collection		sale		no. of hhs	
	quantity (Qtl)	value (Rs)	quantity (Qtl)	value (Rs)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			A. & N. Islands			
rural labour	828	414	-	-	230	261
'other' with land						
less than 0.20	516	266	-	-	117	122
0.20 - 0.50	601	317	-	-	6	14
0.50 - 1.00	526	348	-	-	16	24
1.00 or more	808	424	-	-	77	81
others: all	624	330	-	-	216	241
all households	**729**	**374**	-	-	**447**	**502**
			India			
rural labour	610	475	24	19	575246	30835
'other' with land						
less than 0.20	337	276	39	34	212543	14156
0.20 - 0.50	481	426	41	41	112335	7657
0.50 - 1.00	457	357	26	24	142333	8267
1.00 or more	435	350	8	6	306238	18075
others: all	419	342	25	22	773449	48155
all households	**500**	**399**	**24**	**21**	**1348695**	**78990**

Table 13.1: Average quantity and value of collection and sale of fuelwood collected from CPR during last 365 days by category of households

category of household	collection		sale		no. of hhs	
	quantity (Kg.)	value (Rs.)	quantity (Kg.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Andhra Pradesh			
rural labour	59	42	3	2	64766	2965
'other' with land						
less than 0.20	32	22	1	1	20368	1139
0.20 - 0.50	51	38	2	2	6340	321
0.50 - 1.00	45	32	2	2	8113	366
1.00 or more	49	33	2	1	19745	930
others: all	42	29	2	1	54566	2756
all households	**51**	**36**	**2**	**2**	**119333**	**5721**
			Arunachal Pradesh			
rural labour	149	112	-	-	121	59
'other' with land						
less than 0.20	152	183	3	5	294	115
0.20 - 0.50	472	620	7	9	219	86
0.50 - 1.00	437	367	-	-	195	84
1.00 or more	788	829	1	1	796	375
others: all	572	613	2	3	1504	660
all households	**541**	**575**	**2**	**3**	**1625**	**719**
			Assam			
rural labour	60	46	20	12	11550	1067
'other' with land						
less than 0.20	56	52	10	11	4008	416
0.20 - 0.50	76	65	29	19	2772	333
0.50 - 1.00	58	56	13	12	6228	542
1.00 or more	26	28	-	-	10555	885
others: all	46	44	9	7	23563	2176
all households	**51**	**44**	**12**	**9**	**35114**	**3243**
			Bihar			
rural labour	60	46	1	1	66441	3192
'other' with land						
less than 0.20	46	35	8	5	21957	1208
0.20 - 0.50	38	33	3	2	15016	812
0.50 - 1.00	31	23	4	2	17709	858
1.00 or more	33	22	2	1	28904	1394
others: all	37	28	4	3	83587	4272
all households	**47**	**36**	**3**	**2**	**150028**	**7464**

Table 13.1: Average quantity and value of collection and sale of fuelwood collected from CPR during last 365 days by category of households

category of household	collection		sale		no. of hhs	
	quantity (Kg.)	value (Rs.)	quantity (Kg.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Gujarat			
rural labour	57	49	0	0	21546	1161
'other' with land						
less than 0.20	24	21	0	0	8863	540
0.20 - 0.50	42	45	-	-	3731	201
0.50 - 1.00	39	34	-	-	4436	214
1.00 or more	28	25	-	-	15893	823
others: all	30	27	0	0	32923	1778
all households	**40**	**36**	**0**	**0**	**54468**	**2939**
			Haryana			
rural labour	52	45	0	0	8563	389
'other' with land						
less than 0.20	16	12	-	-	5838	309
0.20 - 0.50	27	25	8	8	1347	67
0.50 - 1.00	7	7	-	-	1766	79
1.00 or more	8	6	-	-	7874	378
others: all	12	10	1	1	16825	833
all households	**25**	**22**	**1**	**1**	**25388**	**1222**
			Himachal Pradesh			
rural labour	94	62	-	-	1964	368
'other' with land						
less than 0.20	36	28	-	-	1702	326
0.20 - 0.50	92	81	-	-	2512	465
0.50 - 1.00	124	100	-	-	1955	360
1.00 or more	87	77	-	-	2092	395
others: all	87	73	-	-	8262	1546
all households	**88**	**71**	**-**	**-**	**10226**	**1914**
			Jammu & Kashmir			
rural labour	30	23	5	5	1817	348
'other' with land						
less than 0.20	16	11	1	1	751	203
0.20 - 0.50	24	18	3	3	1713	389
0.50 - 1.00	31	17	2	2	2034	394
1.00 or more	45	24	1	1	1593	385
others: all	31	18	2	2	6091	1371
all households	**31**	**20**	**3**	**3**	**7907**	**1719**

Table 13.1: Average quantity and value of collection and sale of fuelwood collected from CPR during last 365 days by category of households

category of household	collection		sale		no. of hhs	
	quantity (Kg.)	value (Rs.)	quantity (Kg.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Karnataka			
rural labour	51	44	0	0	30789	1341
'other' with land						
less than 0.20	23	19	-	-	8138	473
0.20 - 0.50	39	47	1	2	2649	133
0.50 - 1.00	25	21	-	-	6032	259
1.00 or more	25	19	-	-	22084	946
others: all	25	21	0	0	38903	1811
all households	**37**	**31**	**0**	**0**	**69692**	**3152**
			Kerala			
rural labour	21	21	1	1	21901	1350
'other' with land						
less than 0.20	12	12	3	3	12195	852
0.20 - 0.50	8	7	-	-	5425	366
0.50 - 1.00	12	7	-	-	3204	184
1.00 or more	7	6	-	-	2686	159
others: all	10	10	2	2	23510	1561
all households	**16**	**15**	**1**	**1**	**45411**	**2911**
			Madhya Pradesh			
rural labour	54	48	9	6	45539	2446
'other' with land						
less than 0.20	20	16	1	0	6866	502
0.20 - 0.50	52	49	11	9	2795	166
0.50 - 1.00	55	43	7	6	6724	338
1.00 or more	45	42	0	0	45559	2350
others: all	43	40	2	1	61944	3356
all households	**48**	**43**	**4**	**3**	**107483**	**5802**
			Maharashtra			
rural labour	60	52	1	1	57650	2706
'other' with land						
less than 0.20	18	16	0	0	17558	965
0.20 - 0.50	33	40	0	0	4066	205
0.50 - 1.00	44	50	-	-	5130	236
1.00 or more	38	35	-	-	26842	1247
others: all	32	30	0	0	53597	2653
all households	**46**	**42**	**0**	**1**	**111247**	**5359**

Table 13.1: Average quantity and value of collection and sale of fuelwood collected from CPR during last 365 days by category of households

category of household	collection		sale		no. of hhs	
	quantity (Kg.)	value (Rs.)	quantity (Kg.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Manipur			
rural labour	122	45	-	-	382	126
'other' with land						
less than 0.20	11	8	-	-	330	109
0.20 - 0.50	23	18	9	7	420	152
0.50 - 1.00	15	13	1	1	682	220
1.00 or more	130	82	1	0	692	266
others: all	54	36	2	2	2123	747
all households	**64**	**37**	**2**	**1**	**2505**	**873**
			Meghalaya			
rural labour	295	131	26	26	520	166
'other' with land						
less than 0.20	147	72	3	4	155	54
0.20 - 0.50	592	256	1	1	740	215
0.50 - 1.00	289	117	3	1	777	203
1.00 or more	274	123	0	0	1265	402
others: all	351	152	1	1	2937	874
all households	**343**	**149**	**5**	**5**	**3457**	**1040**
			Mizoram			
rural labour	453	186	-	-	31	30
'other' with land						
less than 0.20	359	122	2	0	89	87
0.20 - 0.50	526	222	13	3	176	144
0.50 - 1.00	629	251	12	2	224	165
1.00 or more	745	319	36	9	198	168
others: all	601	246	18	4	687	564
all households	**595**	**244**	**17**	**4**	**718**	**594**
			Nagaland			
rural labour	240	138	3	3	65	52
'other' with land						
less than 0.20	77	41	8	6	53	53
0.20 - 0.50	59	44	0	0	46	65
0.50 - 1.00	360	227	-	-	52	49
1.00 or more	199	160	7	6	654	676
others: all	193	150	6	5	805	843
all households	**197**	**149**	**6**	**5**	**871**	**895**

Table 13.1: Average quantity and value of collection and sale of fuelwood collected from CPR during last 365 days by category of households

category of household	collection		sale		no. of hhs	
	quantity (Kg.)	value (Rs.)	quantity (Kg.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Orissa			
rural labour	96	57	4	3	30110	1568
'other' with land						
less than 0.20	59	37	19	14	10108	604
0.20 - 0.50	79	49	16	12	5415	305
0.50 - 1.00	82	49	6	4	6929	356
1.00 or more	93	54	2	1	10889	568
others: all	78	47	10	7	33341	1833
all households	**86**	**52**	7	**5**	**63451**	**3401**
			Punjab			
rural labour	131	103	1	0	11274	984
'other' with land						
less than 0.20	39	35	-	-	7397	740
0.20 - 0.50	13	10	-	-	950	87
0.50 - 1.00	12	9	-	-	1305	110
1.00 or more	6	7	-	-	7045	612
others: all	22	19	-	-	16697	1549
all households	**66**	**53**	**0**	**0**	**27971**	**2533**
			Rajasthan			
rural labour	38	39	2	2	16106	851
'other' with land						
less than 0.20	17	15	-	-	5576	399
0.20 - 0.50	31	23	-	-	3777	212
0.50 - 1.00	35	33	8	6	6695	348
1.00 or more	15	10	0	0	30223	1691
others: all	19	15	1	1	46271	2650
all households	**24**	**21**	**2**	**1**	**62377**	**3501**
			Sikkim			
rural labour	81	41	-	-	202	201
'other' with land						
less than 0.20	35	17	-	-	194	216
0.20 - 0.50	152	77	-	-	180	218
0.50 - 1.00	120	62	-	-	142	155
1.00 or more	72	36	-	-	132	146
others: all	94	47	-	-	647	735
all households	**91**	**46**	-	-	**849**	**936**

Table 13.1: Average quantity and value of collection and sale of fuelwood collected from CPR during last 365 days by category of households

category of household	collection		sale		no. of hhs	
	quantity (Kg.)	value (Rs.)	quantity (Kg.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Tamil Nadu			
rural labour	58	56	0	0	56184	2953
'other' with land						
less than 0.20	27	30	2	4	17083	1122
0.20 - 0.50	46	51	5	12	6568	375
0.50 - 1.00	40	41	1	2	7062	391
1.00 or more	34	32	0	0	9422	483
others: all	34	36	2	4	40135	2371
all households	**48**	**48**	**1**	**2**	**96319**	**5324**
			Tripura			
rural labour	49	33	7	5	2351	510
'other' with land						
less than 0.20	31	19	13	7	1556	355
0.20 - 0.50	54	36	-	-	707	150
0.50 - 1.00	68	46	-	-	619	131
1.00 or more	50	34	-	-	372	70
others: all	45	29	6	3	3254	706
all households	**47**	**31**	**7**	**4**	**5606**	**1216**
			Uttar Pradesh			
rural labour	50	33	1	0	70301	2999
'other' with land						
less than 0.20	35	28	1	0	37681	1829
0.20 - 0.50	34	29	0	0	31300	1442
0.50 - 1.00	22	19	0	0	40243	1566
1.00 or more	19	17	-	-	50484	2167
others: all	26	23	0	0	159708	7004
all households	**34**	**26**	**0**	**0**	**230008**	**10003**
			West Bengal			
rural labour	62	44	1	0	51742	2421
'other' with land						
less than 0.20	26	19	2	2	21634	1155
0.20 - 0.50	19	13	-	-	13278	684
0.50 - 1.00	29	17	0	0	13905	607
1.00 or more	23	13	-	-	9993	445
others: all	25	16	1	1	58810	2891
all households	**42**	**29**	**1**	**1**	**110552**	**5312**

Table 13.1: Average quantity and value of collection and sale of fuelwood collected from CPR during last 365 days by category of households

category of household	collection		sale		no. of hhs	
	quantity (Kg.)	value (Rs.)	quantity (Kg.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			A. & N. Islands			
rural labour	40	22	-	-	230	261
'other' with land						
less than 0.20	29	15	-	-	117	122
0.20 - 0.50	23	12	-	-	6	14
0.50 - 1.00	54	36	-	-	16	24
1.00 or more	25	13	-	-	77	81
others: all	29	16	-	-	216	241
all households	**34**	**19**	-	-	**447**	**502**
			India			
rural labour	58	46	2	2	575246	30835
'other' with land						
less than 0.20	31	25	3	2	212543	14156
0.20 - 0.50	43	36	3	3	112335	7657
0.50 - 1.00	38	30	2	2	142333	8267
1.00 or more	36	29	1	0	306238	18075
others: all	36	29	2	2	773449	48155
all households	**46**	**36**	**2**	**2**	**1348695**	**78990**

Table 14 : Per 1000 distribution of quantity of fuelwood *collected* from CPR during last 365 days by source

State/UT	village common land	village forest /wood	govt. forest	others	all	estd. quantity (000 tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh	250	34	157	559	1000	6501
Arunachal Pradesh	427	276	28	268	1000	885
Assam	60	29	282	629	1000	2155
Bihar	54	40	329	576	1000	6689
Gujarat	683	31	38	248	1000	2628
Haryana	329	104	38	529	1000	777
Himachal Pradesh	49	31	794	126	1000	1104
Jammu & Kashmir	20	15	667	299	1000	437
Karnataka	247	40	258	456	1000	3372
Kerala	2	-	379	619	1000	927
Madhya Pradesh	142	129	537	192	1000	6674
Maharashtra	114	67	178	641	1000	5811
Manipur	388	478	-	134	1000	290
Meghalaya	57	814	11	118	1000	884
Mizoram	928	64	0	7	1000	480
Nagaland	334	446	4	216	1000	259
Orissa	163	223	514	101	1000	5991
Punjab	40	49	37	874	1000	1539
Rajasthan	666	58	154	123	1000	1663
Sikkim	21	3	785	191	1000	153
Tamil Nadu	488	23	130	359	1000	4789
Tripura	89	54	405	452	1000	239
Uttar Pradesh	225	73	227	474	1000	9569
West Bengal	78	29	163	730	1000	3585
A. & N. Islands	0	10	943	47	1000	33
India	218	86	267	428	1000	67467

Table 14.1: Per 1000 distribution of quantity of fuelwood *collected* from CPR during last 30 days by source

State/UT	village common land	village forest /wood	govt. forest	others	all	estd. quantity (000 tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh	231	29	146	594	1000	613
Arunachal Pradesh	447	256	28	268	1000	88
Assam	47	22	229	702	1000	177
Bihar	51	32	330	587	1000	705
Gujarat	668	29	43	259	1000	220
Haryana	233	127	49	591	1000	65
Himachal Pradesh	56	14	807	124	1000	90
Jammu & Kashmir	17	26	519	438	1000	24
Karnataka	285	39	214	462	1000	256
Kerala	2	-	310	688	1000	70
Madhya Pradesh	140	120	546	194	1000	514
Maharashtra	103	84	176	637	1000	514
Manipur	524	446	1	29	1000	16
Meghalaya	29	795	9	167	1000	118
Mizoram	930	60	-	9	1000	43
Nagaland	432	397	2	169	1000	17
Orissa	196	211	477	116	1000	549
Punjab	21	37	26	916	1000	184
Rajasthan	511	119	157	213	1000	149
Sikkim	52	6	814	128	1000	8
Tamil Nadu	488	24	126	362	1000	460
Tripura	66	46	508	380	1000	26
Uttar Pradesh	150	66	164	620	1000	771
West Bengal	74	25	121	780	1000	465
A. & N. Islands	1	27	740	232	1000	2
India	198	85	238	479	1000	6146

Table 15: Per 1000 distribution of households by availability of CPR land and forest for each climatic zone

State/UT	zone	forest within reach	no forest but with CPR land per hh (ha)				no. of houeholds estd. (00)
			less than 0.1	0.1-0.4	0.4 or more	all	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Andhra Pradesh	DP	481	293	47	179	1000	62917
	EG	259	381	137	222	1000	56416
	all	**376**	**335**	**90**	**199**	**1000**	**119332**
Arunachal Pradesh	EHm	839	64	-	97	1000	1625
Assam	Ehm	413	490	51	45	1000	35114
Bihar	MG	113	821	29	37	1000	118105
	EHg	830	110	-	60	1000	32153
	all	**266**	**669**	**23**	**42**	**1000**	**150258**
Gujarat	GC	307	107	77	509	1000	54468
Haryana	UG	294	520	130	56	1000	25388
Himachal Pradesh	WHm	797	163	5	35	1000	10226
Jammu & Kashmir	WHm	547	254	45	154	1000	7907
Karnataka	WHg	374	130	142	354	1000	29588
	DP	281	461	49	209	1000	28125
	WC	804	104	31	62	1000	11980
	all	**410**	**259**	**85**	**245**	**1000**	**69693**
Kerala	WC	191	799	-	10	1000	45411
Madhya Pradesh	EHg	615	100	18	266	1000	28441
	CHg	572	131	30	267	1000	69192
	WHg	386	163	49	401	1000	9850
	all	**567**	**126**	**29**	**279**	**1000**	**107483**
Maharashtra	CHg	883	41	40	37	1000	9543
EHg &	WHg	481	220	84	215	1000	88053
	WC	666	284	26	24	1000	13651
	all	**539**	**213**	**73**	**176**	**1000**	**111247**
Manipur	EHm	424	417	69	90	1000	2505
Meghalaya	EHm	922	17	12	48	1000	3457
Mizoram	EHm	1000	-	-	-	1000	718
Nagaland	Ehm	653	120	32	195	1000	871
Orissa	EHg	890	27	32	50	1000	36892
	EG	429	336	125	110	1000	26559
	all	**697**	**157**	**71**	**75**	**1000**	**63451**

Table 15: Per 1000 distribution of households by availability of CPR land and forest for each climatic zone

State/UT	zone	forest within reach	no forest but with CPR land per hh (ha)				no. of houeholds estd. (00)
			less than 0.1	0.1-0.4	0.4 or more	all	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Punjab	UG	56	864	41	38	1000	27971
Rajasthan	CHg	381	52	43	524	1000	42048
	TD	295	175	30	500	1000	20329
	all	**353**	**92**	**39**	**516**	**1000**	**62377**
Sikkim	Ehm	860	94	15	31	1000	849
Tamil Nadu	DP	472	407	20	101	1000	41395
	EG	400	283	97	220	1000	50708
	WC	313	533	154	-	1000	4184
	all	**427**	**347**	**66**	**159**	**1000**	**96287**
Tripura	Ehm	689	293	18	-	1000	5602
Uttar Pradesh	WHm	965	-	-	35	1000	19429
	MG	233	478	162	127	1000	86236
	TG	184	563	112	140	1000	117526
	CHg	594	46	51	309	1000	6809
	all	**281**	**469**	**120**	**131**	**1000**	**230000**
West Bengal	EHm	271	729	-	-	1000	11521
	LG	205	771	11	13	1000	76328
	EHg	263	725	12	-	1000	22530
	all	**223**	**757**	**10**	**9**	**1000**	**110379**
A. & N. Islands	Isl	955	45	-	-	1000	426
India	WHm	831	98	11	60	1000	37562
	EHm	468	460	35	37	1000	62261
	LG	205	771	11	13	1000	76328
	MG	164	677	85	75	1000	204342
	TG	184	563	112	140	1000	117526
	UG	161	716	79	44	1000	56390
	EHg	703	190	16	91	1000	124987
	CHg	534	93	36	337	1000	127592
	WHg	427	203	98	272	1000	122520
	DP	436	364	39	161	1000	132436
	EG	344	338	119	198	1000	134378
	WC	381	580	19	20	1000	76662
	GC	311	106	77	505	1000	54858
	TD	295	175	30	500	1000	20329
	Isl	875	125	-	-	1000	465
	all	**375**	**403**	**63**	**159**	**1000**	**1348687**

Table 15.1: Number (per 1000) of households reporting use of fuelwood and collection of fuelwood from CPR by availability of CPR land and forest for each climatic zone

State / UT	zone	esti matic	forest within reach	no forest but with CPR land per hh (ha)				no. of households	
				less than 0.1	0.1-0.4	0.4 or more	all	estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Andhra Pradesh	DP	P	921	815	970	941	896	56351	2792
		Q	690	639	643	701	675	42464	2109
	EG	P	836	641	575	808	720	40597	1838
		Q	698	312	289	650	484	27327	1271
	all	**P**	**893**	**721**	**684**	**871**	**812**	**96948**	**4630**
		Q	**693**	**463**	**386**	**674**	**585**	**69791**	**3380**
Arunachal Pradesh	EHm	P	864	490	-	1000	854	1387	634
		Q	826	526	-	998	824	1339	623
Assam	EHm	P	621	561	646	761	599	21032	2019
		Q	560	321	515	513	438	15395	1494
Bihar	MG	P	623	515	271	467	518	61088	3067
		Q	444	325	228	286	334	39402	1931
	EHg	P	799	588	-	917	783	25177	1237
		Q	727	355	-	536	675	21694	1046
	all	**P**	**740**	**518**	**271**	**604**	**575**	**86265**	**4304**
		Q	**633**	**326**	**228**	**363**	**407**	**61096**	**2977**
Gujarat	GC	P	755	539	658	769	731	39840	2206
		Q	588	424	378	576	548	29848	1698
Haryana	UG	P	314	419	422	880	414	10513	513
		Q	197	325	171	387	271	6875	326
Himachal Pradesh	WHm	P	670	151	933	635	585	5985	1136
		Q	631	156	933	649	556	5682	1079
Jammu & Kashmir	WHm	P	667	286	859	234	512	4048	972
		Q	544	35	238	75	329	2601	645
Karnataka	WHg	P	771	731	887	690	753	22294	955
		Q	496	808	738	567	596	17630	778
	DP	P	793	741	610	809	764	21476	1041
		Q	672	387	256	423	468	13170	649
	WC	P	914	998	934	1000	929	11124	478
		Q	552	328	-	190	490	5867	239
	all	**P**	**825**	**757**	**826**	**744**	**788**	**54893**	**2474**
		Q	**564**	**473**	**581**	**501**	**526**	**36668**	**1666**
Kerala	WC	P	711	489	-	95	527	23937	1548
		Q	319	80	-	160	127	5745	357

Table 15.1: Number (per 1000) of households reporting use of fuelwood and collection of fuelwood from CPR by availability of CPR land and forest for each climatic zone

State / UT	zone	esti matic	forest within reach	no forest but with CPR land per hh (ha)				no. of households	
				less than 0.1	0.1-0.4	0.4 or more	all	estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Madhya Pradesh	EHg	P	815	619	-	367	661	18806	940
		Q	728	538	-	363	599	17033	837
	CHg	P	863	722	382	679	781	54021	2910
		Q	643	306	303	509	553	38263	2075
	WHg	P	905	744	1000	873	870	8573	502
		Q	749	309	459	354	505	4972	271
	all	**P**	**852**	**703**	**415**	**626**	**757**	**81401**	**4352**
		Q	**674**	**355**	**276**	**452**	**561**	**60268**	**3183**
Maharashtra	CHg	P	813	937	404	1000	808	7715	343
		Q	653	375	270	938	637	6081	271
	WHg	P	705	684	540	553	654	57585	2865
		Q	623	547	523	557	584	51396	2570
	WC	P	653	603	872	796	648	8847	427
		Q	616	500	354	796	580	7922	381
	all	**P**	**712**	**675**	**548**	**565**	**667**	**74147**	**3635**
		Q	**626**	**537**	**504**	**568**	**588**	**65398**	**3222**
Manipur	EHm	P	820	648	978	751	753	1885	667
		Q	532	137	671	738	395	990	408
Meghalaya	EHm	P	934	1000	-	975	926	3199	965
		Q	873	931	125	682	856	2959	903
Mizoram	EHm	P	982	-	-	-	982	705	581
		Q	974	-	-	-	974	699	555
Nagaland	EHm	P	985	989	1000	970	983	856	877
		Q	737	318	1000	592	667	581	630
Orissa	EHg	P	952	732	749	950	940	34670	1700
		Q	888	715	249	513	844	31134	1510
	EG	P	532	314	611	584	474	12597	760
		Q	419	162	287	296	303	8037	447
	all	**P**	**844**	**357**	**647**	**726**	**745**	**47267**	**2460**
		Q	**767**	**218**	**277**	**381**	**617**	**39171**	**1957**
Punjab	UG	P	617	722	338	344	686	19176	1726
		Q	451	225	216	178	236	6592	579
Rajasthan	CHg	P	387	1	16	278	294	12355	655
		Q	281	91	180	256	254	10680	572
	TD	P	449	681	573	351	445	9042	539
		Q	103	-	-	152	106	2160	130
	all	**P**	**404**	**424**	**156**	**301**	**343**	**21397**	**1194**
		Q	**233**	**35**	**134**	**223**	**206**	**12840**	**702**

Table 15.1: Number (per 1000) of households reporting use of fuelwood and collection of fuelwood from CPR by availability of CPR land and forest for each climatic zone

State / UT	zone	esti matic	forest within reach	no forest but with CPR land per hh (ha)				no. of households	
				less than 0.1	0.1-0.4	0.4 or more	all	estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Sikkim	EHm	P	741	226	330	939	693	588	679
		Q	574	14	252	859	526	446	536
Tamil Nadu	DP	P	767	537	788	792	676	28002	1545
		Q	730	650	406	693	687	28444	1500
	EG	P	756	795	727	719	756	38385	2190
		Q	563	515	591	588	559	28387	1667
	WC	P	416	166	467	-	291	1217	62
		Q	583	157	467	-	338	1414	72
	all	**P**	**751**	**622**	**708**	**739**	**702**	**67604**	**3797**
		Q	**643**	**559**	**555**	**616**	**605**	**58244**	**3239**
Tripura	EHm	P	668	92	1000	-	509	2855	575
		Q	435	9	848	-	313	1757	372
Uttar Pradesh	WHm	P	908	-	-	392	890	17296	451
		Q	900	-	-	-	869	16888	428
	MG	P	567	319	332	329	380	32780	1582
		Q	466	233	261	276	297	25649	1252
	TG	P	534	527	589	453	529	62166	2643
		Q	345	219	334	280	262	30844	1347
	CHg	P	682	1000	1000	507	659	4488	216
		Q	380	1000	221	331	386	2625	132
	all	**P**	**662**	**448**	**463**	**410**	**507**	**116729**	**4892**
		Q	**546**	**227**	**295**	**276**	**330**	**76007**	**3159**
West Bengal	EHm	P	413	199	-	-	257	2957	119
		Q	365	152	-	-	210	2417	106
	LG	P	676	447	653	937	503	38477	1909
		Q	522	285	292	582	336	25685	1284
	EHg	P	791	580	813	-	638	14376	694
		Q	783	584	750	-	638	14377	695
	all	**P**	**671**	**448**	**692**	**937**	**505**	**55811**	**2722**
		Q	**566**	**330**	**405**	**582**	**384**	**42478**	**2085**
A. & N. Islands	Isl	P	712	677	-	-	723	323	361
		Q	670	109	-	-	656	293	314

Table 15.1: Number (per 1000) of households reporting use of fuelwood and collection of fuelwood from CPR by availability of CPR land and forest for each climatic zone

State / UT	zone	esti matic	forest within reach	no forest but with CPR land per hh (ha)				no. of households	
				less than 0.1	0.1-0.4	0.4 or more	all	estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
India	WHm	P	812	225	868	345	728	27328	2559
		Q	781	90	324	145	670	25171	2152
	EHm	P	677	432	678	809	570	35465	7116
		Q	583	248	539	590	427	26583	5627
	LG	P	676	447	653	937	503	38477	1909
		Q	522	285	292	582	336	25685	1284
	MG	P	589	456	320	368	460	93868	4649
		Q	457	297	255	279	319	65051	3183
	TG	P	534	527	589	453	529	62166	2643
		Q	345	219	334	280	262	30844	1347
	UG	P	365	590	400	650	542	30550	2298
		Q	240	245	183	297	242	13619	919
	EHg	P	861	592	560	556	778	97216	4775
		Q	797	550	251	417	707	88384	4287
	CHg	P	734	606	286	467	616	78579	4124
		Q	543	288	246	374	452	57650	3050
	WHg	P	721	695	680	634	688	84264	4118
		Q	585	572	595	536	570	69852	3420
	DP	P	851	698	845	876	799	105829	5378
		Q	701	575	502	623	635	84078	4258
	EG	P	726	625	629	746	685	92020	4826
		Q	570	343	382	585	475	63822	3393
	WC	P	734	488	662	688	589	45160	2523
		Q	494	126	298	313	273	20958	1051
	GC	P	753	537	653	769	730	40056	2250
		Q	584	423	375	576	546	29979	1723
	TD	P	449	681	573	351	445	9042	539
		Q	103	-	-	152	106	2160	130
	Isl	P	712	845	-	-	740	359	421
		Q	670	299	-	-	635	308	337
	all	**P**	**740**	**532**	**551**	**606**	**623**	**840419**	**50150**
		Q	**602**	**316**	**363**	**454**	**448**	**604160**	**36170**

Table 16: Number (per 1000) of households reporting use of CPR for (i) collection and (ii) cultivation of fodder separately for households possessing and not possessing livestock and climatic zone

State/UT	zone	possession of livestock	collection	cultivation	no. of households	
					estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh	DP	P	207	38	26887	1287
		NP	2	-	35925	1867
		all	90	17	62917	3159
	EG	P	496	138	16215	748
		NP	1	2	40167	1812
		all	143	41	56416	2562
	all	**P**	**316**	**76**	**43102**	**2035**
		NP	**1**	**1**	**76092**	**3679**
		all	**115**	**28**	**119333**	**5721**
Arunachal Pradesh	EHm	P	81	60	1102	523
		NP	-	7	501	192
		all	55	43	1625	719
Assam	EHm	P	240	62	21805	1974
		NP	10	4	13272	1265
		all	152	40	35114	3243
Bihar	MG	P	286	42	57141	2972
		NP	2	0	60651	2884
		all	140	21	117875	5861
	EHg	P	159	78	21086	1051
		NP	-	-	11005	550
		all	104	51	32153	1603
	all	**P**	**252**	**52**	**78227**	**4023**
		NP	**2**	**0**	**71656**	**3434**
		all	**132**	**27**	**150028**	**7464**
Gujarat	GC	P	138	15	32179	1772
		NP	6	2	22289	1167
		all	84	9	54468	2939
Haryana	UG	P	351	105	18745	897
		NP	-	5	6643	325
		all	259	79	25388	1222
Himachal Pradesh	WHm	P	448	11	8251	1542
		NP	3	-	1946	368
		all	362	9	10226	1914
Jammu & Kashmir	WHm	P	37	5	6419	1379
		NP	-	7	1489	340
		all	30	5	7907	1719

Table 16: Number (per 1000) of households reporting use of CPR for (i) collection and (ii) cultivation of fodder separately for households possessing and not possessing livestock and climatic zone

State/UT	zone	possession of livestock	collection	cultivation	no. of households	
					estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Manipur	EHm	P	140	56	986	362
		NP	14	29	1468	497
		all	63	39	2505	873
Meghalaya	EHm	P	58	27	1293	385
		NP	-	-	2153	652
		all	22	10	3457	1040
Mizoram	EHm	P	373	95	394	338
		NP	-	20	321	253
		all	206	61	718	594
Nagaland	EHm	P	256	122	751	776
		NP	-	8	120	119
		all	221	106	871	895
Orissa	EHg	P	84	8	21675	1064
		NP	2	0	15217	770
		all	50	5	36892	1834
	EG	P	179	8	15006	902
		NP	7	-	11552	665
		all	104	5	26559	1567
	all	**P**	**123**	**8**	**36681**	**1966**
		NP	**4**	**0**	**26770**	**1435**
		all	**73**	**5**	**63451**	**3401**
Punjab	UG	P	327	43	15401	1385
		NP	-	8	12571	1148
		all	180	27	27971	2533
Rajasthan	CHg	P	40	83	34460	1827
		NP	-	12	7587	447
		all	33	70	42048	2274
	TD	P	25	15	17659	1044
		NP	-	6	2670	183
		all	22	14	20329	1227
	all	**P**	**35**	**60**	**52120**	**2871**
		NP	-	**10**	**10257**	**630**
		all	**29**	**52**	**62377**	**3501**
Sikkim	EHm	P	530	114	521	615
		NP	-	6	324	317
		all	325	72	849	936

Table 16: Number (per 1000) of households reporting use of CPR for (i) collection and (ii) cultivation of fodder separately for households possessing and not possessing livestock and climatic zone

State/UT	zone	possession of livestock	collection	cultivation	no. of households	
					estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Tamil Nadu	DP	P	228	15	11548	641
		NP	-	1	29846	1532
		all	64	5	41394	2173
	BG	P	232	4	15547	941
		NP	2	2	35193	1986
		all	72	3	50740	2927
	WC	P	115	2	435	35
		NP	0	0	3749	189
		all	12	0	4184	224
	all	**P**	**229**	**8**	**27531**	**1617**
		NP	**1**	**2**	**68788**	**3707**
		all	**66**	**3**	**96319**	**5324**
Tripura	Ehm	P	38	2	2016	452
		NP	1	-	3429	728
		all	14	1	5606	1216
Uttar Pradesh	WHm	P	907	11	17492	441
		NP	-	-	1917	111
		all	817	10	19429	553
	MG	P	296	38	56934	2730
		NP	-	3	28972	1341
		all	195	26	86237	4088
	TG	P	217	30	84922	3616
		NP	0	4	32451	1419
		all	157	22	117535	5042
	CHg	P	398	11	5490	253
		NP	-	-	1318	67
		all	321	9	6809	320
	all	**P**	**324**	**30**	**164839**	**7040**
		NP	**0**	**3**	**64658**	**2938**
		all	**232**	**22**	**230008**	**10003**
West Bengal	EHm	P	56	-	6897	294
		NP	-	-	2297	97
		all	34	-	11521	512
	LG	P	139	2	40350	1948
		NP	0	4	34475	1686
		all	73	3	76501	3720
	EHg	P	325	1	12548	601
		NP	20	2	8343	393
		all	189	1	22530	1080
	all	**P**	**168**	**2**	**59794**	**2843**
		NP	**4**	**3**	**45115**	**2176**
		all	**93**	**2**	**110552**	**5312**
A. & N. Islands	Isl	P	117	-	171	206
		NP	-	-	274	295
		all	45	-	447	502

Table 16: Number (per 1000) of households reporting use of CPR for (i) collection and (ii) cultivation of fodder separately for households possessing and not possessing livestock and climatic zone

State/UT	zone	possession of livestock	collection	cultivation	no. of households	
					estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
India	WHm	P	615	10	32162	3362
		NP	1	2	5351	819
		all	528	9	37562	4186
	EHm	P	185	48	35764	5719
		NP	6	4	23884	4120
		all	109	29	62264	10028
	LG	P	139	2	40350	1948
		NP	0	4	34475	1686
		all	73	3	76501	3720
	MG	P	291	40	114075	5702
		NP	1	1	89622	4225
		all	163	23	204111	9949
	TG	P	217	30	84922	3616
		NP	0	4	32451	1419
		all	157	22	117535	5042
	UG	P	340	77	34387	2310
		NP	-	6	22003	1628
		all	208	49	56390	3938
	EHg	P	155	27	76664	3778
		NP	4	0	46618	2327
		all	97	17	124987	6194
	CHg	P	123	43	91060	4737
		NP	3	5	36515	2057
		all	89	32	127592	6795
	WHg	P	215	15	60978	2971
		NP	4	2	60913	2979
		all	109	9	122520	5978
	DP	P	256	46	55774	2756
		NP	1	0	76557	3901
		all	108	20	132436	6662
	EG	P	307	52	46813	2606
		NP	2	2	87564	4512
		all	108	19	134410	7120
	WC	P	184	30	27335	1546
		NP	1	0	49075	2955
		all	66	11	76662	4518
	GC	P	138	14	32390	1822
		NP	5	2	22468	1213
		all	84	9	54658	3035
	TD	P	25	15	17659	1044
		NP	-	6	2670	183
		all	22	14	20329	1227
	Isl	P	102	-	196	246
		NP	-	-	288	319
		all	41	-	486	566
	all	**P**	**227**	**34**	**750543**	**44170**
		NP	**2**	**2**	**590492**	**34368**
		all	**127**	**20**	**1348695**	**78990**

Table 16.1: Number (per 1000) of households reporting use of CPR for (i) collection and (ii) cultivation of fodder separately for households possessing and not possessing livestock and population of size-class of villages

State/UT	size-class of villages	possession of livestock	collection	cultivation	no. of households estd.	no. of households samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh						
	less than 100	P	348	40	91	42
		NP	-	-	28	19
		all	267	31	119	61
	100 - 200	P	1000	-	169	7
		NP	-	-	226	9
		all	429	-	395	16
	201 - 600	P	498	268	2331	118
		NP	10	-	2156	106
		all	264	139	4487	224
	601 - 1200	P	288	37	6231	284
		NP	-	3	6576	323
		all	140	20	12807	607
	1201 - 2000	P	249	150	8108	368
		NP	-	-	9854	509
		all	112	69	18025	880
	2001 - 5000	P	350	55	17267	822
		NP	-	2	31004	1524
		all	125	21	48346	2350
	5001 & above	P	270	26	8905	394
		NP	3	-	26250	1189
		all	71	7	35155	1583
	all	**P**	**316**	**76**	**43102**	**2035**
		NP	**1**	**1**	**76092**	**3679**
		all	**115**	**28**	**119333**	**5721**
Arunachal Pradesh						
	less than 100	P	-	-	171	69
		NP	-	53	70	26
		all	-	15	241	95
	100 - 200	P	-	14	166	72
		NP	-	-	42	8
		all	-	11	207	80
	201 - 600	P	48	78	390	190
		NP	-	-	79	34
		all	40	65	469	224
	601 - 1200	P	11	211	159	99
		NP	-	-	61	29
		all	8	152	221	128
	1201 - 2000	P	135	-	140	61
		NP	-	-	90	35
		all	82	-	230	96
	2001 - 5000	P	-	-	9	6
		NP	-	-	100	42
		all	-	-	109	48
	5001 & above	P	737	-	68	26
		NP	-	-	59	18
		all	338	-	148	48
	all	**P**	**81**	**60**	**1102**	**523**
		NP	**-**	**7**	**501**	**192**
		all	**55**	**43**	**1625**	**719**

Table 16.1: Number (per 1000) of households reporting use of CPR for (i) collection and (ii) cultivation of fodder separately for households possessing and not possessing livestock and population of size-class of villages

State/UT	size-class of villages	possession of livestock	collection	cultivation	no. of households	
					estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Assam						
	less than 100	P	491	77	393	63
		NP	-	-	198	44
		all	326	51	592	107
	100 - 200	P	398	-	428	30
		NP	-	-	32	2
		all	370	-	460	32
	201 - 600	P	85	63	3453	285
		NP	-	-	1541	146
		all	59	43	4997	432
	601 - 1200	P	258	21	6181	528
		NP	22	-	4306	399
		all	161	13	10500	928
	1201 - 2000	P	252	77	6540	603
		NP	8	4	2671	245
		all	182	56	9210	848
	2001 - 5000	P	337	122	3893	376
		NP	4	9	4196	390
		all	164	64	8110	768
	5001 & above	P	5	-	916	89
		NP	-	-	329	39
		all	3	-	1244	128
	all	**P**	**240**	**62**	**21805**	**1974**
		NP	**10**	**4**	**13272**	**1265**
		all	**152**	**40**	**35114**	**3243**
Bihar						
	less than 100	P	30	-	379	49
		NP	-	-	228	21
		all	19	-	607	70
	100 - 200	P	201	-	1304	74
		NP	-	-	430	22
		all	151	-	1734	96
	201 - 600	P	169	28	9670	461
		NP	6	-	6459	262
		all	104	17	16151	724
	601 - 1200	P	223	75	16146	803
		NP	-	-	13686	650
		all	120	40	29909	1456
	1201 - 2000	P	276	119	13979	692
		NP	4	-	12388	636
		all	148	63	26367	1328
	2001 - 5000	P	264	27	23291	1259
		NP	1	1	22540	1122
		all	135	14	45872	2383
	5001 & above	P	310	21	13458	685
		NP	-	-	15924	721
		all	142	10	29389	1407
	all	**P**	**252**	**52**	**78227**	**4023**
		NP	**2**	**0**	**71656**	**3434**
		all	**132**	**27**	**150028**	**7464**

Table 16.1: Number (per 1000) of households reporting use of CPR for (i) collection and (ii) cultivation of fodder separately for households possessing and not possessing livestock and population of size-class of villages

State/UT	size-class of villages	possession of livestock	collection	cultivation	no. of households	
					estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Gujarat						
	less than 100	P	444	-	8	27
		NP	-	-	1	2
		all	414	-	8	29
	100 - 200	P	-	-	-	-
		NP	-	-	-	-
		all	-	-	-	-
	201 - 600	P	209	16	2165	127
		NP	8	-	615	49
		all	164	12	2779	176
	601 - 1200	P	84	6	7230	383
		NP	-	8	2587	144
		all	62	7	9817	527
	1201 - 2000	P	170	28	8554	472
		NP	7	4	4507	232
		all	114	20	13061	704
	2001 - 5000	P	144	9	10221	545
		NP	2	-	9092	463
		all	77	5	19313	1008
	5001 & above	P	114	13	4002	218
		NP	13	-	5488	277
		all	55	6	9491	495
	all	**P**	**138**	**15**	**32179**	**1772**
		NP	**6**	**2**	**22289**	**1167**
		all	**84**	**9**	**54468**	**2939**
Haryana						
	less than 100	P	-	91	6	33
		NP	-	167	1	6
		all	-	103	7	39
	100 - 200	P	-	-	-	-
		NP	-	-	-	-
		all	-	-	-	-
	201 - 600	P	74	349	611	39
		NP	-	-	132	9
		all	61	287	743	48
	601 - 1200	P	271	73	2500	125
		NP	-	-	762	35
		all	207	56	3262	160
	1201 - 2000	P	293	90	2562	130
		NP	-	-	257	14
		all	266	82	2819	144
	2001 - 5000	P	363	78	8612	375
		NP	-	-	3176	152
		all	265	57	11788	527
	5001 & above	P	447	151	4454	195
		NP	-	14	2315	109
		all	294	104	6769	304
	all	**P**	**351**	**105**	**18745**	**897**
		NP	**-**	**5**	**6643**	**325**
		all	**259**	**79**	**25388**	**1222**

Table 16.1: Number (per 1000) of households reporting use of CPR for (i) collection and (ii) cultivation of fodder separately for households possessing and not possessing livestock and population of size-class of villages

State/UT	size-class of villages	possession of livestock	collection	cultivation	no. of households estd.	no. of households samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Himachal Pradesh						
	less than 100	P	515	-	734	120
		NP	-	-	82	12
		all	463	-	816	132
	100 - 200	P	432	60	1125	214
		NP	-	-	172	39
		all	374	52	1297	253
	201 - 600	P	493	4	3699	685
		NP	-	-	637	127
		all	421	4	4335	812
	601 - 1200	P	458	4	1616	306
		NP	12	-	558	92
		all	343	3	2175	398
	1201 - 2000	P	75	-	578	107
		NP	-	-	215	37
		all	54	-	792	144
	2001 - 5000	P	501	-	447	97
		NP	-	-	267	58
		all	301	-	743	159
	5001 & above	P	-	-	53	13
		NP	-	-	14	3
		all	-	-	67	16
	all	**P**	**448**	**11**	**8251**	**1542**
		NP	**3**	**-**	**1946**	**368**
		all	**362**	**9**	**10226**	**1914**
Jammu & Kashmir						
	less than 100	P	-	-	85	22
		NP	-	-	3	3
		all	-	-	88	25
	100 - 200	P	-	-	158	29
		NP	-	-	10	3
		all	-	-	168	32
	201 - 600	P	1	12	1816	374
		NP	-	25	439	104
		all	1	14	2254	478
	601 - 1200	P	51	2	2133	443
		NP	-	-	524	101
		all	41	1	2657	544
	1201 - 2000	P	81	-	1081	221
		NP	-	-	133	35
		all	72	-	1215	256
	2001 - 5000	P	37	4	1042	252
		NP	-	-	353	84
		all	28	3	1395	336
	5001 & above	P	6	-	103	38
		NP	-	-	26	10
		all	5	-	130	48
	all	**P**	**37**	**5**	**6419**	**1379**
		NP	**-**	**7**	**1489**	**340**
		all	**30**	**5**	**7907**	**1719**

Table 16.1: Number (per 1000) of households reporting use of CPR for (i) collection and (ii) cultivation of fodder separately for households possessing and not possessing livestock and population of size-class of villages

State/UT	size-class of villages	possession of livestock	collection	cultivation	no. of households estd.	no. of households samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Karnataka						
	less than 100	P	441	102	93	32
		NP	-	-	89	20
		all	226	52	183	52
	100 - 200	P	106	-	1048	57
		NP	-	-	426	23
		all	75	-	1474	80
	201 - 600	P	226	33	3099	172
		NP	-	-	864	50
		all	177	26	3963	222
	601 - 1200	P	306	73	8729	389
		NP	-	-	5122	235
		all	193	46	13851	624
	1201 - 2000	P	281	10	8143	331
		NP	-	7	5570	245
		all	167	9	13713	576
	2001 - 5000	P	306	45	12416	525
		NP	-	-	11791	514
		all	157	23	24207	1039
	5001 & above	P	276	49	5156	231
		NP	-	-	7145	328
		all	116	21	12301	559
	all	**P**	**285**	**43**	**38685**	**1737**
		NP	**-**	**1**	**31007**	**1415**
		all	**158**	**24**	**69692**	**3152**
Kerala						
	less than 100	P	-	-	-	
		NP	-	-	-	
		all	-	-	-	
	100 - 200	P	-	-	-	
		NP	-	-	-	-
		all	-	-	-	-
	201 - 600	P	-	-	-	-
		NP	-	-	-	-
		all	-	-	-	-
	601 - 1200	P	-	-	150	10
		NP	-	-	96	6
		all	-	-	246	16
	1201 - 2000	P	240	50	2788	172
		NP	-	-	5869	355
		all	77	16	8657	527
	2001 - 5000	P	117	21	11699	732
		NP	2	0	24624	1620
		all	39	7	36323	2352
	5001 & above	P	147	-	66	5
		NP	-	-	118	11
		all	53	-	185	16
	all	**P**	**139**	**26**	**14703**	**919**
		NP	**1**	**0**	**30708**	**1992**
		all	**46**	**9**	**45411**	**2911**

Table 16.1: Number (per 1000) of households reporting use of CPR for (i) collection and (ii) cultivation of fodder separately for households possessing and not possessing livestock and population of size-class of villages

State/UT	size-class of villages	possession of livestock	collection	cultivation	no. of households	
					estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Madhya Pradesh						
	less than 100	P	139	31	1238	67
		NP	-	-	245	28
		all	116	26	1483	95
	100 - 200	P	203	-	1267	48
		NP	-	-	370	16
		all	157	-	1636	64
	201 - 600	P	167	20	18833	991
		NP	14	3	6505	352
		all	128	16	25342	1344
	601 - 1200	P	127	19	26110	1364
		NP	5	4	9797	537
		all	94	15	35908	1901
	1201 - 2000	P	98	8	14026	720
		NP	-	3	7823	447
		all	63	6	21849	1167
	2001 - 5000	P	86	16	10400	578
		NP	0	-	6926	429
		all	52	10	17343	1008
	5001 & above	P	45	13	1083	65
		NP	7	-	2839	158
		all	18	4	3922	223
	all	**P**	**126**	**17**	**72958**	**3833**
		NP	**5**	**2**	**34504**	**1967**
		all	**87**	**12**	**107483**	**5802**
Maharashtra						
	less than 100	P	-	-	24	16
		NP	-	-	30	20
		all	-	-	54	36
	100 - 200	P	-	-	-	-
		NP	-	-	-	-
		all	-	-	-	-
	201 - 600	P	221	15	5926	286
		NP	5	8	4769	240
		all	125	12	10695	526
	601 - 1200	P	242	29	14200	673
		NP	1	-	10705	534
		all	137	16	25051	1214
	1201 - 2000	P	181	17	12629	609
		NP	5	3	12957	616
		all	91	10	25747	1232
	2001 - 5000	P	312	25	13250	658
		NP	4	2	15852	813
		all	144	12	29103	1471
	5001 & above	P	210	21	4913	233
		NP	1	-	15175	630
		all	51	5	20598	880
	all	**P**	**239**	**22**	**50942**	**2475**
		NP	**3**	**2**	**59489**	**2853**
		all	**111**	**11**	**111247**	**5359**

Table 16.1: Number (per 1000) of households reporting use of CPR for (i) collection and (ii) cultivation of fodder separately for households possessing and not possessing livestock and population of size-class of villages

State/UT	size-class of villages	possession of livestock	collection	cultivation	no. of households estd.	no. of households samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Manipur						
	less than 100	P	-	42	48	
		NP	-	5	25	
		all	-	47	73	
	100 - 200	P	-	32	132	22
		NP	-	41	104	40
		all	-	34	250	64
	201 - 600	P	223	-	146	53
		NP	-	-	200	58
		all	93	-	350	112
	601 - 1200	P	194	-	108	43
		NP	-	89	395	117
		all	42	70	503	160
	1201 - 2000	P	80	-	197	50
		NP	82	-	175	46
		all	81	-	372	96
	2001 - 5000	P	119	185	276	108
		NP	-	8	430	156
		all	45	74	734	272
	5001 & above	P	423	-	85	38
		NP	39	-	159	55
		all	169	-	249	96
	all	**P**	**140**	**56**	**986**	**362**
		NP	**14**	**29**	**1468**	**497**
		all	**63**	**39**	**2505**	**873**
Meghalaya						
	less than 100	P	45	47	321	71
		NP	-	-	390	73
		all	20	21	711	144
	100 - 200	P	83	32	112	34
		NP	-	-	439	126
		all	17	6	551	160
	201 - 600	P	64	25	468	153
		NP	-	-	812	279
		all	23	9	1280	432
	601 - 1200	P	-	-	289	93
		NP	-	-	262	96
		all	-	-	561	192
	1201 - 2000	P	129	64	68	23
		NP	-	-	184	57
		all	35	17	251	80
	2001 - 5000	P	367	-	35	11
		NP	-	-	68	21
		all	125	-	103	32
	5001 & above	P	-	-	-	-
		NP	-	-	-	-
		all	-	-	-	-
	all	**P**	**58**	**27**	**1293**	**385**
		NP	-	-	**2153**	**652**
		all	**22**	**10**	**3457**	**1040**

Table 16.1: Number (per 1000) of households reporting use of CPR for (i) collection and (ii) cultivation of fodder separately for households possessing and not possessing livestock and population of size-class of villages

State/UT	size-class of villages	possession of livestock	collection	cultivation	no. of households estd.	no. of households samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Mizoram						
	less than 100	P	-	2	22	
		NP	83	1	12	
		all	29	2	34	
	100 - 200	P	289	217	32	24
		NP	-	-	10	8
		all	219	164	42	32
	201 - 600	P	395	14	148	113
		NP	-	68	95	61
		all	239	35	245	176
	601 - 1200	P	509	184	124	109
		NP	-	-	83	66
		all	310	110	208	176
	1201 - 2000	P	-	-	14	11
		NP	-	-	67	53
		all	-	-	81	64
	2001 - 5000	P	180	76	72	55
		NP	-	-	55	41
		all	102	43	127	96
	5001 & above	P	1000	-	3	4
		NP	-	-	10	12
		all	257	-	13	16
	all	**P**	**373**	**95**	**394**	**338**
		NP	**-**	**20**	**321**	**253**
		all	**206**	**61**	**718**	**594**
Nagaland						
	less than 100	P	-	-	-	
		NP	-	-	-	
		all	-	-	-	-
	100 - 200	P	37	-	29	15
		NP	-	-	3	1
		all	34	-	32	16
	201 - 600	P	234	120	80	83
		NP	-	-	23	13
		all	182	94	103	96
	601 - 1200	P	193	4	135	117
		NP	-	-	15	11
		all	173	3	150	128
	1201 - 2000	P	383	144	113	133
		NP	-	-	22	27
		all	320	120	136	160
	2001 - 5000	P	256	162	323	353
		NP	-	-	37	47
		all	230	145	360	400
	5001 & above	P	289	179	70	75
		NP	-	50	19	20
		all	226	151	89	95
	all	**P**	**256**	**122**	**751**	**776**
		NP	**-**	**8**	**120**	**119**
		all	**221**	**106**	**871**	**895**

Table 16.1: Number (per 1000) of households reporting use of CPR for (i) collection and (ii) cultivation of fodder separately for households possessing and not possessing livestock and population of size-class of villages

State/UT	size-class of villages	possession of livestock	collection	cultivation	no. of households	
					estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Orissa						
	less than 100	P	79	11	1554	70
		NP	-	10	563	22
		all	58	11	2117	92
	100 - 200	P	127	23	2402	113
		NP	50	-	681	31
		all	110	18	3083	144
	201 - 600	P	112	13	9504	489
		NP	-	-	5645	278
		all	70	8	15149	767
	601 - 1200	P	112	8	10587	593
		NP	-	-	7092	367
		all	67	5	17679	960
	1201 - 2000	P	155	3	6590	360
		NP	-	-	5901	343
		all	82	2	12490	703
	2001 - 5000	P	141	-	5722	321
		NP	13	-	6166	350
		all	75	-	11888	671
	5001 & above	P	-	-	323	20
		NP	-	-	721	44
		all	-	-	1044	64
	all	**P**	**123**	**8**	**36681**	**1966**
		NP	**4**	**0**	**26770**	**1435**
		all	**73**	**5**	**63451**	**3401**
Punjab						
	less than 100	P	6	132	95	40
		NP	-	74	8	13
		all	6	128	104	53
	100 - 200	P	-	-	-	
		NP	-	-	-	-
		all	-	-	-	-
	201 - 600	P	350	-	1500	133
		NP	-	25	1228	107
		all	192	11	2729	240
	601 - 1200	P	256	25	4260	363
		NP	-	24	2409	197
		all	164	25	6669	560
	1201 - 2000	P	386	45	3560	326
		NP	-	3	3096	282
		all	206	26	6656	608
	2001 - 5000	P	338	60	4901	433
		NP	-	-	3733	367
		all	192	34	8634	800
	5001 & above	P	364	83	1083	90
		NP	-	-	2096	182
		all	124	28	3180	272
	all	**P**	**327**	**43**	**15401**	**1385**
		NP	**-**	**8**	**12571**	**1148**
		all	**180**	**27**	**27971**	**2533**

Table 16.1: Number (per 1000) of households reporting use of CPR for (i) collection and (ii) cultivation of fodder separately for households possessing and not possessing livestock and population of size-class of villages

State/UT	size-class of villages	possession of livestock	collection	cultivation	no. of households estd.	no. of households samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Rajasthan						
	less than 100	P	41	81	74	24
		NP	-	-	6	2
		all	38	75	80	26
	100 - 200	P	78	-	948	47
		NP	-	-	19	1
		all	77	-	967	48
	201 - 600	P	20	69	10249	493
		NP	-	13	1198	64
		all	17	63	11447	557
	601 - 1200	P	39	51	14401	792
		NP	-	44	2004	117
		all	34	50	16405	909
	1201 - 2000	P	32	105	10407	573
		NP	-	1	1629	111
		all	28	91	12035	684
	2001 - 5000	P	40	38	13112	765
		NP	-	-	3652	224
		all	32	30	16764	989
	5001 & above	P	38	31	2929	177
		NP	-	-	1749	111
		all	24	19	4679	288
	all	**P**	**35**	**60**	**52120**	**2871**
		NP	**-**	**10**	**10257**	**630**
		all	**29**	**52**	**62377**	**3501**
Sikkim						
	less than 100	P	966	41	3	37
		NP	-	-	0	3
		all	887	38	3	40
	100 - 200	P	1000	-	13	14
		NP	-	-	2	2
		all	884	-	15	16
	201 - 600	P	552	90	99	109
		NP	-	43	25	35
		all	440	80	124	144
	601 - 1200	P	498	137	212	239
		NP	-	-	88	81
		all	353	97	300	320
	1201 - 2000	P	633	75	115	131
		NP	-	15	51	61
		all	439	56	167	192
	2001 - 5000	P	319	176	72	79
		NP	-	-	129	109
		all	112	62	206	192
	5001 & above	P	659	-	7	6
		NP	-	-	30	26
		all	120	-	36	32
	all	**P**	**530**	**114**	**521**	**615**
		NP	**-**	**6**	**324**	**317**
		all	**325**	**72**	**849**	**936**

Table 16.1: Number (per 1000) of households reporting use of CPR for (i) collection and (ii) cultivation of fodder separately for households possessing and not possessing livestock and population of size-class of villages

State/UT	size-class of villages	possession of livestock	collection	cultivation	no. of households	
					estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Tamil Nadu						
	less than 100	P	16	-	16	9
		NP	-	-	193	37
		all	1	-	209	46
	100 - 200	P	1000	-	82	4
		NP	-	-	172	12
		all	323	-	253	16
	201 - 600	P	66	-	1309	75
		NP	-	-	2719	148
		all	21	-	4028	223
	601 - 1200	P	224	-	3823	220
		NP	-	-	5213	308
		all	95	-	9036	528
	1201 - 2000	P	226	14	5032	275
		NP	6	7	12220	620
		all	70	9	17252	895
	2001 - 5000	P	263	9	12042	717
		NP	-	-	27279	1556
		all	80	3	39321	2273
	5001 & above	P	191	10	5040	307
		NP	0	1	20887	1020
		all	37	3	25927	1327
	all	**P**	**229**	**8**	**27531**	**1617**
		NP	**1**	**2**	**68788**	**3707**
		all	**66**	**3**	**96319**	**5324**
Tripura						
	less than 100	P	-	-	-	
		NP	-	-	-	
		all	-	-	-	
	100 - 200	P	-	-	-	-
		NP	-	-	-	-
		all	-	-	-	-
	201 - 600	P	-	-	-	-
		NP	-	-	-	-
		all	-	-	-	-
	601 - 1200	P	-	-	42	9
		NP	-	-	42	7
		all	-	-	84	16
	1201 - 2000	P	-	-	326	65
		NP	-	-	171	47
		all	-	-	497	112
	2001 - 5000	P	47	4	1088	248
		NP	2	-	1531	316
		all	21	1	2663	576
	5001 & above	P	46	-	534	124
		NP	-	-	1616	349
		all	11	-	2261	496
	all	**P**	**38**	**2**	**2016**	**452**
		NP	**1**	**-**	**3429**	**728**
		all	**14**	**1**	**5606**	**1216**

Table 16.1: Number (per 1000) of households reporting use of CPR for (i) collection and (ii) cultivation of fodder separately for households possessing and not possessing livestock and population of size-class of villages

State/UT	size-class of villages	possession of livestock	collection	cultivation	no. of households	
					estd.	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Uttar Pradesh						
	less than 100	P	947	-	10523	66
		NP	-	-	111	7
		all	937	-	10634	73
	100 - 200	P	787	-	1215	74
		NP	-	-	107	5
		all	727	-	1341	80
	201 - 600	P	292	23	23583	1084
		NP	-	3	6242	292
		all	231	19	29824	1376
	601 - 1200	P	338	31	35785	1603
		NP	-	2	15351	665
		all	236	23	51206	2272
	1201 - 2000	P	231	39	35375	1577
		NP	-	4	15027	669
		all	162	28	50524	2252
	2001 - 5000	P	254	30	47215	2117
		NP	0	3	21327	972
		all	174	22	68820	3102
	5001 & above	P	324	47	9880	467
		NP	-	7	6297	316
		all	198	31	16198	784
	all	**P**	**324**	**30**	**164839**	**7040**
		NP	**0**	**3**	**64658**	**2938**
		all	**232**	**22**	**230008**	**10003**
West Bengal						
	less than 100	P	17	-	97	29
		NP	-	-	68	19
		all	10	-	165	48
	100 - 200	P	660	-	526	25
		NP	-	-	131	7
		all	529	-	657	32
	201 - 600	P	381	-	6782	342
		NP	8	7	2348	124
		all	278	2	9354	480
	601 - 1200	P	143	-	9228	466
		NP	17	6	6082	299
		all	88	2	16219	816
	1201 - 2000	P	163	0	11657	519
		NP	-	-	8265	386
		all	92	0	20697	944
	2001 - 5000	P	144	4	21029	974
		NP	3	-	15761	759
		all	77	2	39930	1888
	5001 & above	P	88	2	10051	473
		NP	1	8	11751	549
		all	40	5	22397	1056
	all	**P**	**168**	**2**	**59794**	**2843**
		NP	**4**	**3**	**45115**	**2176**
		all	**93**	**2**	**110552**	**5312**

Table 16.1: Number (per 1000) of households reporting use of CPR for (i) collection and (ii) cultivation of fodder separately for households possessing and not possessing livestock and population of size-class of villages

State/UT	size-class of villages	possession of livestock	collection	cultivation	no. of households estd.	no. of households samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
A. & N. Islands						
	less than 100	P	226	-	1	11
		NP	-	-	3	27
		all	67	-	4	38
	100 - 200	P	76	-	8	14
		NP	-	-	1	2
		all	67	-	9	16
	201 - 600	P	40	-	27	37
		NP	-	-	25	27
		all	21	-	52	64
	601 - 1200	P	48	-	73	88
		NP	-	-	77	72
		all	23	-	149	160
	1201 - 2000	P	81	-	21	23
		NP	-	-	68	72
		all	19	-	90	96
	2001 - 5000	P	196	-	29	28
		NP	-	-	76	84
		all	55	-	105	112
	5001 & above	P	-	-	-	-
		NP	-	-	-	-
		all	-	-	-	-
	all	**P**	**117**	**-**	**171**	**206**
		NP	**-**	**-**	**274**	**295**
		all	**45**	**-**	**447**	**502**
India						
	less than 100	P	686	8	15950	967
		NP	-	4	2322	441
		all	599	8	18273	1408
	100 - 200	P	291	12	11162	917
		NP	10	1	3375	357
		all	227	10	14571	1277
	201 - 600	P	209	32	105910	6898
		NP	4	4	44922	2991
		all	148	24	151091	9909
	601 - 1200	P	210	32	170521	10155
		NP	3	4	93988	5507
		all	136	22	265736	15732
	1201 - 2000	P	201	47	152788	8588
		NP	2	3	109825	6240
		all	117	28	263734	14884
	2001 - 5000	P	228	30	218821	12518
		NP	1	1	212147	12400
		all	116	16	434648	25124
	5001 & above	P	235	32	73478	4039
		NP	2	2	122809	6361
		all	88	13	197619	10496
	all	**P**	**227**	**34**	**750543**	**44170**
		NP	**2**	**2**	**590492**	**34368**
		all	**127**	**20**	**1348695**	**78990**

Table 17: Number (per 1000) of households reporting grazing of livestock on different types of CPR land and forest and reporting possession of livestock for each climatic zone

State / UT	zone	type of CPR land			govt. forest	others	any	no. of hhs reporting grazing of livestock on CPR or forest	
		village forest	others	any				estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Andhra Pradesh	DP	5	51	56	16	80	131	8272	402
	EG	3	77	77	16	103	141	7948	372
	all	**4**	**63**	**66**	**16**	**91**	**136**	**16220**	**774**
Arunachal Pradesh	EHm	117	108	185	35	41	256	416	224
Assam	EHm	9	162	166	27	99	235	8237	723
Bihar	MG	2	45	48	4	99	110	12943	698
	EHg	63	203	220	164	266	330	10615	505
	all	**15**	**79**	**85**	**38**	**135**	**157**	**23558**	**1203**
Gujarat	GC	15	227	228	28	120	250	13611	761
Haryana	UG	1	77	79	-	88	150	3814	179
Himachal Pradesh	WHm	20	26	35	221	227	345	3526	651
Jammu & Kashmir	WHm	9	90	97	130	79	248	1959	417
Karnataka	WHg	12	123	126	29	230	294	8698	372
	DP	4	133	135	38	224	273	7671	381
	WC	45	37	52	57	42	80	964	44
	all	**14**	**112**	**117**	**37**	**195**	**249**	**17333**	**797**
Kerala	WC	2	1	3	4	25	32	1470	105
Madhya Pradesh	EHg	125	288	365	171	274	561	15946	789
	CHg	33	192	210	141	215	372	25734	1297
	WHg	-	142	142	129	212	376	3708	222
	all	**55**	**213**	**245**	**148**	**230**	**422**	**45388**	**2308**
Maharashtra	CHg	-	3	3	21	10	35	331	14
EHg &	WHg	10	59	66	33	70	116	10182	538
	WC	33	42	71	43	82	123	1676	71
	all	**12**	**52**	**61**	**33**	**66**	**110**	**12189**	**623**
Manipur	EHm	27	97	100	14	16	109	273	85
Meghalaya	EHm	14	61	61	-	-	61	212	60
Mizoram	EHm	22	37	52	-	7	53	38	36
Nagaland	EHm	68	156	157	12	21	157	137	146
Orissa	EHg	183	262	337	239	401	465	17153	863
	EG	17	146	149	26	109	187	4975	283
	all	**114**	**214**	**258**	**150**	**279**	**349**	**22127**	**1146**

Table 17: Number (per 1000) of households reporting grazing of livestock on different types of CPR land and forest and reporting possession of livestock for each climatic zone

State / UT	zone	type of CPR land			govt. forest	others	any	no. of hhs reporting grazing of livestock on CPR or forest	
		village forest	others	any				estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Punjab	UG	-	2	2	-	10	11	313	24
Rajasthan	CHg	11	242	245	7	100	296	12436	681
	TD	-	197	197	33	48	253	5150	319
	all	**8**	**227**	**230**	**16**	**83**	**282**	**17586**	**1000**
Sikkim	EHm	-	1	1	15	6	21	18	42
Tamil Nadu	DP	1	11	12	1	21	32	1307	74
	EG	5	109	110	4	92	135	6856	438
	WC	-	-	-	9	16	25	104	8
	all	**3**	**62**	**63**	**3**	**58**	**86**	**8267**	**520**
Tripura	EHm	1	1	1	6	33	36	204	39
Uttar Pradesh	WHm	51	651	687	695	114	779	15143	335
	MG	9	130	132	19	158	219	18889	912
	TG	4	66	67	3	83	126	14790	628
	CHg	4	128	132	-	99	216	1471	71
	all	**10**	**141**	**146**	**68**	**114**	**219**	**50293**	**1946**
West Bengal	EHm	4	15	16	3	248	250	2883	117
	LG	0	28	28	11	136	141	10764	563
	EHg	-	23	23	22	199	204	4597	226
	all	**1**	**26**	**26**	**12**	**161**	**165**	**18244**	**906**
A. & N. Islands	Isl	17	9	26	139	113	187	84	86
India	WHm	34	363	385	447	138	549	20628	1403
	EHm	12	107	112	18	107	199	12417	1472
	LG	0	28	28	11	136	141	10764	563
	MG	5	81	83	10	124	156	31832	1610
	TG	4	66	67	3	83	126	14790	628
	UG	1	36	36	-	45	73	4127	204
	EHg	99	199	243	164	286	396	49446	2440
	CHg	22	191	202	80	155	313	39972	2063
	WHg	10	84	89	33	122	175	21453	1075
	DP	4	56	59	16	92	130	17250	857
	EG	7	103	103	13	99	147	19810	1101
	WC	14	14	23	20	37	55	4214	228
	GC	15	226	227	29	119	250	13708	778
	TD	-	197	197	33	48	253	5150	319
	Isl	16	8	24	127	104	172	84	86
	all	**17**	**109**	**117**	**47**	**123**	**197**	**265645**	**14827**

Table 17.1: Number of households (per 1000) reporting grazing of livestock on different types of CPR land and forest and reporting possession of livestock for population of size-class of villages

State / UT	population size-class	type of CPR land			govt. forest	others	any	no. of hhs reporting grazing of livestock on CPR or forest	
		village forest	others	any				estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Andhra Pradesh									
	less than 100	31	138	169	45	93	261	31	11
	100 - 200	-	429	429	-	429	429	169	7
	201 - 600	33	212	212	30	177	302	1356	65
	601 - 1200	1	92	92	25	103	170	2179	106
	1201 - 2000	-	107	107	8	97	168	3027	140
	2001 - 5000	7	47	53	21	91	128	6195	306
	5001 & above	1	29	30	8	69	93	3262	139
	all	**4**	**63**	**66**	**16**	**91**	**136**	**16220**	**774**
Arunachal Pradesh									
	less than 100	116	191	264	25	18	282	68	31
	100 - 200	153	106	259	11	-	259	54	30
	201 - 600	131	49	138	102	73	313	147	76
	601 - 1200	104	275	288	-	35	323	71	42
	1201 - 2000	197	82	221	6	76	296	68	40
	2001 - 5000	-	43	43	-	31	74	8	4
	5001 & above	3	3	3	-	-	3	0	1
	all	**117**	**108**	**185**	**35**	**41**	**256**	**416**	**224**
Assam									
	less than 100	9	47	56	529	526	585	346	46
	100 - 200	-	-	-	-	508	508	234	14
	201 - 600	36	234	253	53	54	275	1374	109
	601 - 1200	7	223	226	23	71	278	2924	223
	1201 - 2000	6	137	137	2	110	191	1756	180
	2001 - 5000	2	91	92	13	109	179	1454	141
	5001 & above	-	111	111	-	10	120	150	10
	all	**9**	**162**	**166**	**27**	**99**	**235**	**8237**	**723**
Bihar									
	less than 100	-	454	454	-	75	485	295	35
	100 - 200	264	168	264	223	312	324	562	30
	201 - 600	18	75	80	54	158	206	3327	171
	601 - 1200	9	108	109	81	158	193	5785	269
	1201 - 2000	23	88	96	48	159	176	4631	199
	2001 - 5000	12	67	71	17	129	144	6613	365
	5001 & above	5	49	54	1	77	80	2345	134
	all	**15**	**79**	**85**	**38**	**135**	**157**	**23558**	**1203**

Table 17.1: Number of households (per 1000) reporting grazing of livestock on different types of CPR land and forest and reporting possession of livestock for population of size-class of villages

State / UT	population size-class	type of CPR land			govt. forest	others	any	no. of hhs reporting grazing of livestock on CPR or forest	
		village forest	others	any				estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Gujarat									
	less than 100	-	310	310	207	207	448	4	13
	100 - 200	-	-	-	-	-	-	-	-
	201 - 600	25	243	243	28	125	243	676	44
	601 - 1200	19	389	389	84	281	436	4278	206
	1201 - 2000	32	208	211	13	98	249	3258	190
	2001 - 5000	3	186	186	23	73	196	3786	214
	5001 & above	10	166	166	0	77	170	1610	94
	all	**15**	**227**	**228**	**28**	**120**	**250**	**13611**	**761**
Haryana									
	less than 100	-	-	-	-	26	26	0	1
	100 - 200	-	-	-	-	-	-	-	-
	201 - 600	-	142	142	-	253	394	293	18
	601 - 1200	-	75	75	-	94	161	524	25
	1201 - 2000	-	37	37	-	134	164	461	20
	2001 - 5000	3	95	98	-	41	114	1342	60
	5001 & above	-	58	58	-	129	176	1193	55
	all	**1**	**77**	**79**	**-**	**88**	**150**	**3814**	**179**
Himachal Pradesh									
	less than 100	31	-	31	246	309	346	282	41
	100 - 200	61	68	68	220	170	361	468	89
	201 - 600	9	13	22	271	200	342	1483	267
	601 - 1200	29	52	64	208	289	401	873	173
	1201 - 2000	-	9	9	114	319	333	264	46
	2001 - 5000	-	-	-	81	130	211	157	35
	5001 & above	-	-	-	-	-	-	-	-
	all	**20**	**26**	**35**	**221**	**227**	**345**	**3526**	**651**
Jammu & Kashmir									
	less than 100	-	783	783	783	-	783	69	11
	100 - 200	-	-	-	-	641	641	108	15
	201 - 600	3	15	18	156	122	231	522	112
	601 - 1200	19	81	99	47	56	172	458	93
	1201 - 2000	11	146	146	204	66	354	430	87
	2001 - 5000	3	97	100	108	12	212	295	85
	5001 & above	-	607	607	607	-	607	79	14
	all	**9**	**90**	**97**	**130**	**79**	**248**	**1959**	**417**

Table 17.1: Number of households (per 1000) reporting grazing of livestock on different types of CPR land and forest and reporting possession of livestock for population of size-class of villages

State / UT	population size-class	type of CPR land			govt. forest	others	any	no. of hhs reporting grazing of livestock on CPR or forest	
		village forest	others	any				estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Karnataka									
	less than 100	-	74	74	-	164	191	35	17
	100 - 200	-	-	-	-	-	-	-	-
	201 - 600	10	118	127	53	287	352	1397	77
	601 - 1200	12	145	154	32	281	327	4523	211
	1201 - 2000	19	131	135	53	191	278	3818	157
	2001 - 5000	20	90	95	38	171	215	5194	228
	5001 & above	4	111	111	24	146	192	2365	107
	all	**14**	**112**	**117**	**37**	**195**	**249**	**17333**	**797**
Kerala									
	less than 100	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-
	601 - 1200	-	-	-	-	-	-	-	-
	1201 - 2000	4	-	4	5	48	57	498	37
	2001 - 5000	2	1	3	4	20	27	973	68
	5001 & above	-	-	-	-	-	-	-	-
	all	**2**	**1**	**3**	**4**	**25**	**32**	**1470**	**105**
Madhya Pradesh									
	less than 100	5	209	215	686	582	757	1122	53
	100 - 200	-	223	223	373	386	596	975	31
	201 - 600	82	206	258	148	254	455	11523	585
	601 - 1200	86	255	305	178	271	503	18077	944
	1201 - 2000	15	205	215	110	201	361	7891	378
	2001 - 5000	14	165	170	86	125	292	5056	276
	5001 & above	22	111	119	63	134	189	743	41
	all	**55**	**213**	**245**	**148**	**230**	**422**	**45388**	**2308**
Maharashtra									
	less than 100	-	-	-	-	250	250	13	9
	100 - 200	-	-	-	-	-	-	-	-
	201 - 600	4	49	53	36	73	106	1136	55
	601 - 1200	19	56	68	62	64	137	3427	164
	1201 - 2000	19	63	77	46	86	146	3762	190
	2001 - 5000	2	61	61	14	62	89	2598	138
	5001 & above	14	25	37	8	46	61	1253	67
	all	**12**	**52**	**61**	**33**	**66**	**110**	**12189**	**623**

Table 17.1: Number of households (per 1000) reporting grazing of livestock on different types of CPR land and forest and reporting possession of livestock for population of size-class of villages

State / UT	population size-class	type of CPR land			govt. forest	others	any	no. of hhs reporting grazing of livestock on CPR or forest	
		village forest	others	any				estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Manipur									
	less than 100	21	149	154	-	-	154	7	12
	100 - 200	-	-	-	-	-	-	-	-
	201 - 600	12	53	65	-	-	65	23	9
	601 - 1200	6	14	14	-	-	14	7	2
	1201 - 2000	-	272	272	-	9	281	105	18
	2001 - 5000	37	103	108	6	29	113	83	25
	5001 & above	131	131	131	121	63	194	48	19
	all	**27**	**97**	**100**	**14**	**16**	**109**	**273**	**85**
Meghalaya									
	less than 100	33	77	77	-	-	77	55	10
	100 - 200	-	3	3	-	-	3	2	1
	201 - 600	21	99	99	-	-	99	127	40
	601 - 1200	-	33	33	-	-	33	19	6
	1201 - 2000	-	43	43	-	-	43	11	3
	2001 - 5000	-	-	-	-	-	-	-	-
	5001 & above	-	-	-	-	-	-	-	-
	all	**14**	**61**	**61**	**-**	**-**	**61**	**212**	**60**
Mizoram									
	less than 100	-	-	-	-	-	-	-	-
	100 - 200	-	110	110	-	-	110	5	4
	201 - 600	-	-	-	-	-	-	-	-
	601 - 1200	53	64	108	-	15	108	22	23
	1201 - 2000	-	-	-	-	-	-	-	-
	2001 - 5000	40	69	79	-	15	84	11	9
	5001 & above	-	-	-	-	-	-	-	-
	all	**22**	**37**	**52**	**-**	**7**	**53**	**38**	**36**
Nagaland									
	less than 100	-	-	-	-	-	-	-	-
	100 - 200	-	485	485	-	-	485	16	9
	201 - 600	120	120	120	-	18	120	12	14
	601 - 1200	-	3	3	-	-	3	0	1
	1201 - 2000	132	186	194	56	64	194	26	25
	2001 - 5000	57	200	200	2	21	200	72	86
	5001 & above	94	114	114	22	-	114	10	11
	all	**68**	**156**	**157**	**12**	**21**	**157**	**137**	**146**

Table 17.1: Number of households (per 1000) reporting grazing of livestock on different types of CPR land and forest and reporting possession of livestock for population of size-class of villages

State / UT	population size-class	type of CPR land			govt. forest	others	any	no. of hhs reporting grazing of livestock on CPR or forest	
		village forest	others	any				estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Orissa									
	less than 100	201	230	244	172	225	262	555	46
	100 - 200	451	364	611	571	525	675	2080	96
	201 - 600	109	191	260	210	338	435	6590	315
	601 - 1200	143	202	246	169	277	313	5540	296
	1201 - 2000	65	209	225	60	206	288	3594	188
	2001 - 5000	35	240	242	42	248	310	3687	199
	5001 & above	-	18	18	-	59	77	81	6
	all	**114**	**214**	**258**	**150**	**279**	**349**	**22127**	**1146**
Punjab									
	less than 100	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-
	601 - 1200	-	-	-	-	4	4	25	2
	1201 - 2000	-	-	-	-	7	7	49	4
	2001 - 5000	-	6	6	-	20	23	195	15
	5001 & above	-	-	-	-	14	14	44	3
	all	**-**	**2**	**2**	**-**	**10**	**11**	**313**	**24**
Rajasthan									
	less than 100	-	-	-	38	150	188	15	5
	100 - 200	-	387	387	-	-	387	374	15
	201 - 600	5	264	267	36	147	350	4002	205
	601 - 1200	17	276	278	16	69	321	5263	296
	1201 - 2000	9	275	279	-	104	321	3863	222
	2001 - 5000	2	135	137	17	42	181	3038	190
	5001 & above	-	148	148	-	81	220	1031	67
	all	**8**	**227**	**230**	**16**	**83**	**282**	**17586**	**1000**
Sikkim									
	less than 100	-	-	-	415	19	434	1	21
	100 - 200	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-
	601 - 1200	-	4	4	30	13	44	13	15
	1201 - 2000	-	-	-	-	2	2	0	1
	2001 - 5000	-	-	-	12	5	14	3	5
	5001 & above	-	-	-	-	-	-	-	-
	all	**-**	**1**	**1**	**15**	**6**	**21**	**18**	**42**

Table 17.1: Number of households (per 1000) reporting grazing of livestock on different types of CPR land and forest and reporting possession of livestock for population of size-class of villages

State / UT	population size-class	type of CPR land			govt. forest	others	any	no. of hhs reporting grazing of livestock on CPR or forest	
		village forest	others	any				estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Tamil Nadu									
	less than 100	-	-	-	-	-	-	-	-
	100 - 200	-	323	323	-	-	323	82	4
	201 - 600	-	52	52	-	3	52	209	13
	601 - 1200	17	113	115	13	127	149	1344	78
	1201 - 2000	1	86	87	1	68	105	1814	115
	2001 - 5000	3	69	71	3	70	101	3957	237
	5001 & above	0	18	18	2	19	33	860	73
	all	**3**	**62**	**63**	**3**	**58**	**86**	**8267**	**520**
Tripura									
	less than 100	-	-	-	-	-	-	-	-
	100 - 200	-	-	-	-	-	-	-	-
	201 - 600	-	-	-	-	-	-	-	-
	601 - 1200	-	-	-	-	-	-	-	-
	1201 - 2000	-	-	-	-	-	-	-	-
	2001 - 5000	-	-	-	-	30	30	80	13
	5001 & above	-	-	-	3	43	43	98	20
	all	**1**	**1**	**1**	**6**	**33**	**36**	**204**	**39**
Uttar Pradesh									
	less than 100	-	952	952	866	23	975	10366	50
	100 - 200	31	234	265	442	59	547	733	50
	201 - 600	26	116	128	91	144	209	6220	345
	601 - 1200	13	122	131	33	141	223	11437	524
	1201 - 2000	1	94	95	8	115	174	8814	393
	2001 - 5000	8	90	92	10	109	152	10482	484
	5001 & above	13	81	84	11	70	134	2175	97
	all	**10**	**141**	**146**	**68**	**114**	**219**	**50293**	**1946**
West Bengal									
	less than 100	10	-	10	-	78	88	15	8
	100 - 200	-	272	272	-	272	272	179	11
	201 - 600	-	33	33	43	299	303	2839	151
	601 - 1200	-	29	29	24	165	172	2784	152
	1201 - 2000	1	10	11	5	179	181	3747	173
	2001 - 5000	-	34	34	11	153	159	6360	299
	5001 & above	2	15	15	0	96	99	2207	107
	all	**1**	**26**	**26**	**12**	**161**	**165**	**18244**	**906**

Table 17.1: Number of households (per 1000) reporting grazing of livestock on different types of CPR land and forest and reporting possession of livestock for population of size-class of villages

State / UT	population size-class	type of CPR land			govt. forest	others	any	no. of hhs reporting grazing of livestock on CPR or forest	
		village forest	others	any				estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
A. & N. Islands									
	less than 100	-	22	22	44	-	67	0	3
	100 - 200	-	-	-	-	-	-	-	-
	201 - 600	9	-	9	158	62	167	9	9
	601 - 1200	39	-	39	182	117	256	38	43
	1201 - 2000	16	42	58	54	55	125	11	11
	2001 - 5000	-	-	-	181	190	195	20	18
	5001 & above	-	-	-	-	-	-	-	-
	all	**17**	**9**	**26**	**139**	**113**	**187**	**84**	**86**
India									
	less than 100	29	626	631	613	125	727	13279	423
	100 - 200	137	208	277	250	259	415	6040	406
	201 - 600	36	136	156	93	183	286	43277	2683
	601 - 1200	30	149	163	69	162	262	69612	3894
	1201 - 2000	13	110	115	29	126	197	51898	2817
	2001 - 5000	7	77	79	18	97	142	61743	3514
	5001 & above	5	50	53	7	70	99	19587	1074
	all	**17**	**109**	**117**	**47**	**123**	**197**	**265645**	**14827**

Table 18: Per 1000 distribution of households by category of households for households with and without livestock and those not possessing livestock and each climatic zone

State/UT	zone	posse-ssion of live-stock	category of households: rural labour	other with land possessed (ha): < 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more	all	all	no. of households: estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	DP	P	346	47	71	109	427	654	1000	26887	1287
		NP	645	204	49	40	61	355	1000	35925	1867
		all	517	138	59	69	217	483	1000	62917	3159
	EG	P	458	64	72	128	277	542	1000	16215	748
		NP	617	265	37	41	39	383	1000	40167	1812
		all	572	207	47	66	107	428	1000	56416	2562
	all	**P**	**388**	**54**	**71**	**116**	**371**	**612**	**1000**	**43102**	**2035**
		NP	**630**	**236**	**43**	**41**	**50**	**370**	**1000**	**76092**	**3679**
		all	**543**	**171**	**53**	**68**	**165**	**457**	**1000**	**119333**	**5721**
Arunachal Pradesh	EHm	P	36	77	135	130	622	964	1000	1102	523
		NP	152	384	139	103	221	848	1000	501	192
		all	75	181	134	120	490	925	1000	1625	719
Assam	EHm	P	187	68	85	226	435	813	1000	21805	1974
		NP	560	191	69	99	81	440	1000	13272	1265
		all	329	114	79	177	301	671	1000	35114	3243
Bihar	MG	P	326	85	125	167	297	674	1000	57141	2972
		NP	576	221	85	53	64	424	1000	60651	2884
		all	455	155	104	108	177	545	1000	117875	5861
	EHg	P	324	42	84	206	344	676	1000	21086	1051
		NP	541	247	85	54	74	459	1000	11005	550
		all	398	113	84	154	251	602	1000	32153	1603
	all	**P**	**326**	**73**	**114**	**177**	**310**	**674**	**1000**	**78227**	**4023**
		NP	**571**	**225**	**85**	**54**	**65**	**429**	**1000**	**71656**	**3434**
		all	**443**	**146**	**100**	**118**	**193**	**557**	**1000**	**150028**	**7464**
Gujarat	GC	P	290	45	95	123	448	710	1000	32179	1772
		NP	548	333	31	22	67	452	1000	22289	1167
		all	396	163	68	81	292	604	1000	54468	2939
Haryana	UG	P	313	131	57	89	410	687	1000	18745	897
		NP	405	509	41	16	30	595	1000	6643	325
		all	337	230	53	70	310	663	1000	25388	1222

Table 18: Per 1000 distribution of households by category of households for households with and without livestock and those not possessing livestock and each climatic zone

State/UT	zone	posse-ssion of live-stock	category of households: rural labour	other with land possessed (ha): < 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more	all	all	no. of households: estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Himachal Pradesh	WHm	P	186	86	268	219	241	814	1000	8251	1542
		NP	222	495	155	75	54	778	1000	1946	368
		all	192	166	246	191	205	808	1000	10226	1914
Jammu & Kashmir	WHm	P	203	58	216	284	239	797	1000	6419	1379
		NP	343	256	219	142	41	657	1000	1489	340
		all	230	95	217	257	202	770	1000	7907	1719
Karnataka	WHg	P	273	28	18	64	617	727	1000	14889	632
		NP	639	164	25	36	137	361	1000	14699	668
		all	455	95	21	50	378	545	1000	29588	1300
	DP	P	348	28	48	156	420	652	1000	17339	828
		NP	504	286	66	74	70	496	1000	10786	502
		all	407	127	55	125	286	593	1000	28125	1330
	WC	P	349	63	56	127	404	651	1000	6457	277
		NP	655	242	21	40	42	345	1000	5523	245
		all	490	145	40	87	237	510	1000	11980	522
	all	**P**	**319**	**34**	**38**	**116**	**493**	**681**	**1000**	**38685**	**1737**
		NP	**595**	**220**	**38**	**50**	**97**	**405**	**1000**	**31007**	**1415**
		all	**442**	**117**	**38**	**87**	**317**	**558**	**1000**	**69692**	**3152**
Kerala	WC	P	437	174	145	120	122	563	1000	14703	919
		NP	504	314	107	47	29	496	1000	30708	1992
		all	482	269	119	71	59	518	1000	45411	2911
Madhya Pradesh	EHg	P	282	13	27	114	564	718	1000	18960	947
		NP	667	148	47	60	78	333	1000	9477	492
		all	410	58	34	96	402	590	1000	28441	1440
	CHg	P	329	14	23	56	578	671	1000	46770	2466
		NP	645	171	31	37	115	355	1000	22404	1319
		all	431	65	26	50	428	569	1000	69192	3786
	WHg	P	311	14	5	59	611	689	1000	7227	420
		NP	679	227	6	44	45	321	1000	2622	156
		all	409	70	5	55	460	591	1000	9850	576
	all	**P**	**315**	**14**	**22**	**71**	**577**	**685**	**1000**	**72958**	**3833**
		NP	**654**	**169**	**34**	**44**	**99**	**346**	**1000**	**34504**	**1967**
		all	**424**	**64**	**26**	**63**	**424**	**576**	**1000**	**107483**	**5802**

Table 18: Per 1000 distribution of households by category of households for households with and without livestock and those not possessing livestock and each climatic zone

State/UT	zone	posse-ssion of live-stock	category of households: rural labour	other with land possessed (ha): < 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more	all	all	no. of households: estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Maharashtra	CHg	P	344	59	17	63	518	656	1000	4339	191
		NP	579	352	0	12	56	421	1000	5205	224
		all	472	219	8	35	266	528	1000	9543	415
	EHg & WHg	P	420	32	31	64	453	580	1000	41257	2034
		NP	664	218	18	24	78	336	1000	46167	2277
		all	549	132	24	42	253	451	1000	88053	4339
	WC	P	354	82	181	144	239	646	1000	5347	250
		NP	346	409	115	38	93	654	1000	8117	352
		all	350	283	139	79	149	650	1000	13651	605
	all	**P**	**406**	**40**	**46**	**72**	**436**	**594**	**1000**	**50942**	**2475**
		NP	**613**	**255**	**29**	**24**	**78**	**387**	**1000**	**59489**	**2853**
		all	**518**	**158**	**37**	**46**	**241**	**482**	**1000**	**111247**	**5359**
Manipur	EHm	P	118	65	146	312	359	882	1000	986	362
		NP	168	159	188	255	230	832	1000	1468	497
		all	152	132	168	272	276	848	1000	2505	873
Meghalaya	EHm	P	54	8	107	259	572	946	1000	1293	385
		NP	209	62	280	205	244	791	1000	2153	652
		all	150	45	214	225	366	850	1000	3457	1040
Mizoram	EHm	P	44	74	278	338	266	956	1000	394	338
		NP	44	175	209	281	290	956	1000	321	253
		all	44	123	246	311	276	956	1000	718	594
Nagaland	EHm	P	78	19	42	60	801	922	1000	751	776
		NP	57	326	117	60	441	943	1000	120	119
		all	75	61	53	60	751	925	1000	871	895
Orissa	EHg	P	447	35	86	130	303	553	1000	21675	1064
		NP	686	212	41	35	26	314	1000	15217	770
		all	546	108	67	91	189	454	1000	36892	1834
	EG	P	309	104	127	208	252	691	1000	15006	902
		NP	463	396	90	39	13	537	1000	11552	665
		all	376	231	111	135	148	624	1000	26559	1567
	all	**P**	**390**	**63**	**103**	**162**	**282**	**610**	**1000**	**36681**	**1966**
		NP	**590**	**291**	**62**	**37**	**21**	**410**	**1000**	**26770**	**1435**
		all	**475**	**159**	**85**	**109**	**172**	**525**	**1000**	**63451**	**3401**

Table 18: Per 1000 distribution of households by category of households for households with and without livestock and those not possessing livestock and each climatic zone

State/UT	zone	posse-ssion of live-stock	category of households: rural labour	other with land possessed (ha): < 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more	all	all	no. of households: estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Punjab	UG	P	358	147	49	63	384	642	1000	15401	1385
		NP	459	409	16	27	90	541	1000	12571	1148
		all	403	264	34	47	252	597	1000	27971	2533
Rajasthan	CHg	P	250	42	82	153	472	750	1000	34460	1827
		NP	429	308	65	49	149	571	1000	7587	447
		all	282	90	79	135	414	718	1000	42048	2274
	TD	P	185	53	23	51	688	815	1000	17659	1044
		NP	364	315	16	54	252	636	1000	2670	183
		all	209	87	22	51	631	791	1000	20329	1227
	all	**P**	**228**	**46**	**62**	**119**	**545**	**772**	**1000**	**52120**	**2871**
		NP	**412**	**310**	**52**	**50**	**175**	**588**	**1000**	**10257**	**630**
		all	**258**	**89**	**61**	**107**	**485**	**742**	**1000**	**62377**	**3501**
Sikkim	EHm	P	156	79	280	240	245	844	1000	521	615
		NP	372	456	106	53	12	628	1000	324	317
		all	238	228	212	167	155	762	1000	849	936
Tamil Nadu	DP	P	449	55	115	135	248	551	1000	11548	641
		NP	682	208	36	29	45	318	1000	29846	1532
		all	617	165	58	59	101	383	1000	41394	2173
	EG	P	442	64	112	162	221	558	1000	15547	941
		NP	594	244	61	54	48	406	1000	35193	1986
		all	547	188	76	87	101	453	1000	50740	2927
	WC	P	351	139	250	127	132	649	1000	435	35
		NP	725	166	53	45	12	275	1000	3749	189
		all	686	163	73	53	24	314	1000	4184	224
	all	**P**	**443**	**61**	**115**	**150**	**231**	**557**	**1000**	**27531**	**1617**
		NP	**639**	**224**	**49**	**43**	**45**	**361**	**1000**	**68788**	**3707**
		all	**583**	**177**	**68**	**73**	**98**	**417**	**1000**	**96319**	**5324**
Tripura	EHm	P	378	130	194	171	127	622	1000	2016	452
		NP	443	351	92	80	34	557	1000	3429	728
		all	419	278	126	111	66	581	1000	5606	1216

Table 18: Per 1000 distribution of households by category of households for households with and without livestock and those not possessing livestock and each climatic zone

State/UT	zone	posse-ssion of live-stock	category of households: rural labour	other with land possessed (ha): < 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more	all	all	no. of households: estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Uttar Pradesh	WHm	P	334	89	199	310	68	666	1000	17492	441
		NP	309	625	50	-	16	691	1000	1917	111
		all	331	143	185	279	63	669	1000	19429	553
	MG	P	233	97	193	227	249	767	1000	56934	2730
		NP	390	333	134	79	63	610	1000	28972	1341
		all	285	180	173	177	186	715	1000	86237	4088
	TG	P	266	91	117	196	330	734	1000	84922	3616
		NP	446	328	86	68	72	554	1000	32451	1419
		all	316	158	108	161	258	684	1000	117535	5042
	CHg	P	235	139	15	114	496	765	1000	5490	253
		NP	685	80	37	57	142	315	1000	1318	67
		all	322	128	20	103	427	678	1000	6809	320
	all	**P**	**261**	**95**	**149**	**216**	**280**	**739**	**1000**	**164839**	**7040**
		NP	**422**	**334**	**105**	**71**	**68**	**578**	**1000**	**64658**	**2938**
		all	**306**	**164**	**136**	**175**	**219**	**694**	**1000**	**230008**	**10003**
West Bengal	EHm	P	459	115	82	195	149	541	1000	6897	294
		NP	505	384	61	39	11	495	1000	2297	97
		all	524	199	61	124	91	476	1000	11521	512
	LG	P	405	124	160	180	131	595	1000	40350	1948
		NP	529	296	96	53	27	471	1000	34475	1686
		all	462	210	127	119	81	538	1000	76501	3720
	EHg	P	357	71	155	218	199	643	1000	12548	601
		NP	551	238	107	77	27	449	1000	8343	393
		all	459	145	126	150	121	541	1000	22530	1080
	all	**P**	**401**	**112**	**150**	**190**	**148**	**599**	**1000**	**59794**	**2843**
		NP	**532**	**290**	**96**	**57**	**26**	**468**	**1000**	**45115**	**2176**
		all	**468**	**196**	**120**	**126**	**90**	**532**	**1000**	**110552**	**5312**

Table 18: Per 1000 distribution of households by category of households for households with and without livestock and those not possessing livestock and each climatic zone

State/UT	zone	posse-ssion of live-stock	category of households: rural labour	other with land possessed (ha): < 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more	all	all	no. of households: estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
A. & N. Islands	Isl	P	421	114	26	71	368	579	1000	171	206
		NP	577	351	7	13	52	423	1000	274	295
		all	516	262	14	35	173	484	1000	447	502
India	WHm	P	270	82	220	281	147	730	1000	32162	3362
		NP	287	475	135	67	36	713	1000	5351	819
		all	272	139	208	250	131	728	1000	37562	4186
	EHm	P	235	78	99	215	374	765	1000	35764	5719
		NP	462	227	102	111	98	538	1000	23884	4120
		all	341	144	96	166	252	659	1000	62264	10028
	LG	P	405	124	160	180	131	595	1000	40350	1948
		NP	529	296	96	53	27	471	1000	34475	1686
		all	462	210	127	119	81	538	1000	76501	3720
	MG	P	280	91	159	197	273	720	1000	114075	5702
		NP	516	257	101	62	63	484	1000	89622	4225
		all	383	166	133	137	181	617	1000	204111	9949
	TG	P	266	91	117	196	330	734	1000	84922	3616
		NP	446	328	86	68	72	554	1000	32451	1419
		all	316	158	108	161	258	684	1000	117535	5042
	UG	P	334	141	53	77	396	666	1000	34387	2310
		NP	466	433	21	20	60	534	1000	22003	1628
		all	385	255	41	55	265	615	1000	56390	3938
	EHg	P	358	38	81	160	363	642	1000	76664	3778
		NP	616	221	64	51	48	384	1000	46618	2327
		all	459	109	74	117	240	541	1000	124987	6194
	CHg	P	294	35	45	97	530	706	1000	91060	4737
		NP	592	222	34	37	114	408	1000	36515	2057
		all	379	88	42	79	411	621	1000	127592	6795
	WHg	P	370	28	24	62	516	630	1000	60978	2971
		NP	664	198	18	28	93	336	1000	60913	2979
		all	517	114	21	45	303	483	1000	122520	5978
	DP	P	368	43	73	129	388	632	1000	55774	2756
		NP	639	217	46	41	56	361	1000	76557	3901
		all	525	144	57	78	196	475	1000	132436	6662
	EG	P	405	77	103	165	250	595	1000	46813	2606
		NP	587	275	53	46	39	413	1000	87564	4512
		all	524	206	71	87	112	476	1000	134410	7120
	WC	P	398	131	133	127	212	602	1000	27335	1546
		NP	511	310	94	44	40	489	1000	49075	2955
		all	471	247	107	74	101	529	1000	76662	4518
	GC	P	291	45	94	123	447	709	1000	32390	1822
		NP	545	336	30	22	67	455	1000	22468	1213
		all	395	164	68	82	291	605	1000	54858	3035
	TD	P	185	53	23	51	688	815	1000	17659	1044
		NP	364	315	16	54	252	636	1000	2670	183
		all	209	87	22	51	631	791	1000	20329	1227
	Isl	P	426	148	43	62	321	574	1000	196	246
		NP	567	354	17	12	50	433	1000	288	319
		all	509	272	27	32	159	491	1000	486	566
	all	**P**	**319**	**71**	**99**	**152**	**359**	**681**	**1000**	**750543**	**44170**
		NP	**561**	**265**	**64**	**48**	**62**	**439**	**1000**	**590492**	**34368**
		all	**427**	**158**	**83**	**106**	**227**	**573**	**1000**	**1348695**	**78990**

Table 18.1: Number per 1000 of households reporting *collection* of fodder from CPR by household type for each climatic zone

State/UT	zone	possession of live-stock	category of households						all	households reporting fodder collection	
			rural labour	other with land possessed (ha)						estd. (00)	sample
				< 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more	all			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	DP	P	250	412	148	78	193	185	207	5578	272
		NP	3	-	-	-	-	-	2	80	4
		all	74	60	77	52	162	107	90	5658	276
	EG	P	526	407	630	480	439	470	496	8045	396
		NP	1	-	-	-	-	-	1	21	1
		all	122	36	277	266	326	171	143	8067	397
	all	**P**	**373**	**410**	**331**	**245**	**262**	**280**	**316**	**13623**	**668**
		NP	**2**	**-**	**-**	**-**	**-**	**-**	**1**	**102**	**5**
		all	**98**	**46**	**161**	**151**	**212**	**135**	**115**	**13725**	**673**
Arunachal Pradesh	EHm	P	74	489	50	102	33	81	81	89	47
		NP	-	-	-	-	-	-	-	-	-
		all	24	142	34	75	28	57	55	89	47
Assam	EHm	P	310	239	318	280	173	223	240	5223	504
		NP	15	3	10	-	-	3	10	131	16
		all	119	90	216	221	155	169	152	5353	520
Bihar	MG	P	531	281	209	151	126	167	286	16334	953
		NP	3	1	-	-	-	0	2	119	8
		all	187	75	121	113	103	100	140	16454	961
	EHg	P	139	157	153	147	185	168	159	3348	156
		NP	-	-	-	-	-	-	-	-	-
		all	74	38	100	129	167	124	104	3348	156
	all	**P**	**426**	**262**	**198**	**150**	**144**	**167**	**252**	**19682**	**1109**
		NP	**3**	**1**	**-**	**-**	**-**	**0**	**2**	**119**	**8**
		all	**165**	**69**	**117**	**117**	**120**	**106**	**132**	**19802**	**1117**
Gujarat	GC	P	219	322	274	91	52	105	138	4441	371
		NP	10	-	-	-	-	-	6	123	10
		all	101	52	223	81	47	73	84	4564	381
Haryana	UG	P	608	559	387	244	107	235	351	6588	298
		NP	-	-	-	-	-	-	-	-	-
		all	417	235	309	230	105	179	259	6588	298

Table 18.1: Number per 1000 of households reporting *collection* of fodder from CPR by household type for each climatic zone

State/UT	zone	possession of live-stock	category of households						all	households reporting fodder collection	
			rural labour	other with land possessed (ha)				all		estd. (00)	sample
				< 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Himachal Pradesh	WHm	P	471	290	459	470	453	442	448	3695	719
		NP	-	-	-	-	63	4	3	7	1
		all	368	121	404	435	433	361	362	3702	720
Jammu & Kashmir	WHm	P	36	27	30	45	37	37	37	237	89
		NP	-	-	-	-	-	-	-	-	-
		all	26	13	24	40	36	31	30	237	89
Karnataka	WHg	P	410	506	88	232	146	166	232	3460	154
		NP	-	-	-	-	-	-	-	-	-
		all	124	74	38	149	120	111	117	3460	154
	DP	P	550	629	357	342	167	243	349	6056	336
		NP	-	-	-	-	-	-	-	-	-
		all	289	86	193	264	151	165	215	6056	336
	WC	P	262	180	148	244	228	220	234	1514	49
		NP	-	-	-	-	-	-	-	-	-
		all	101	42	113	192	210	151	126	1514	49
	all	**P**	**451**	**451**	**255**	**300**	**165**	**207**	**285**	**11030**	**539**
		NP	-	-	-	-	-	-	-	-	-
		all	**181**	**73**	**141**	**223**	**143**	**140**	**158**	**11030**	**539**
Kerala	WC	P	189	145	125	60	46	100	139	2044	163
		NP	2	-	-	-	-	-	1	38	7
		all	57	31	49	33	30	35	46	2082	170
Madhya Pradesh	EHg	P	115	-	-	48	101	87	95	1800	91
		NP	-	-	-	-	-	-	-	-	-
		all	52	-	-	38	95	71	63	1800	91
	CHg	P	159	177	239	221	114	129	138	6477	356
		NP	6	-	-	-	7	2	5	112	10
		all	85	26	144	168	105	103	95	6589	366
	WHg	P	159	187	-	96	115	114	128	927	51
		NP	31	-	-	-	-	-	21	55	3
		all	103	27	-	75	112	98	100	982	54
	all	**P**	**149**	**135**	**158**	**139**	**111**	**116**	**126**	**9204**	**498**
		NP	7	-	-	-	**5**	**2**	**5**	**167**	**13**
		all	**78**	**20**	**92**	**107**	**103**	**94**	**87**	**9371**	**511**

Table 18.1: Number per 1000 of households reporting *collection* of fodder from CPR by household type for each climatic zone

State/UT	zone	possession of live-stock	category of households						all	households reporting fodder collection	
			rural labour	other with land possessed (ha)						estd. (00)	sample
				< 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more	all			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Maharashtra	CHg	P	285	661	-	205	228	259	268	1162	59
		NP	-	-	-	-	-	-	-	-	-
		all	94	80	-	165	202	146	122	1162	59
	EHg & WHg	P	294	331	351	171	170	189	233	9604	526
		NP	5	1	-	-	4	2	4	165	21
		all	108	39	215	121	143	114	111	9769	547
	WC	P	290	143	225	297	282	252	265	1418	72
		NP	-	-	-	-	30	4	3	23	1
		all	115	16	115	213	189	101	106	1441	73
	all	**P**	**293**	**332**	**288**	**200**	**182**	**202**	**239**	**12185**	**657**
		NP	**4**	**1**	**-**	**-**	**8**	**2**	**3**	**187**	**22**
		all	**108**	**39**	**164**	**143**	**152**	**115**	**111**	**12372**	**679**
Manipur	EHm	P	295	29	14	129	171	120	140	138	59
		NP	41	-	11	19	-	8	14	20	6
		all	117	6	12	69	88	54	63	159	65
Meghalaya	EHm	P	51	295	121	87	31	59	58	75	34
		NP	-	-	-	-	-	-	-	-	-
		all	7	20	23	37	18	24	22	75	34
Mizoram	EHm	P	278	569	328	375	380	377	373	147	120
		NP	-	-	-	-	-	-	-	-	-
		all	154	202	203	223	201	209	206	148	121
Nagaland	EHm	P	207	-	23	80	292	260	256	192	231
		NP	-	-	-	-	-	-	-	-	-
		all	185	-	16	69	269	224	221	192	231
Orissa	EHg	P	80	37	13	86	115	88	84	1825	88
		NP	3	-	-	-	-	-	2	34	1
		all	40	7	10	72	108	63	50	1859	89
	EG	P	207	234	78	195	159	166	179	2685	163
		NP	16	-	-	-	-	-	7	83	4
		all	105	59	51	171	153	104	104	2768	167
	all	**P**	**121**	**170**	**46**	**144**	**131**	**124**	**123**	**4511**	**251**
		NP	7	-	-	-	-	-	**4**	**117**	**5**
		all	**62**	**39**	**32**	**123**	**124**	**83**	**73**	**4627**	**256**

Table 18.1: Number per 1000 of households reporting *collection* of fodder from CPR by household type for each climatic zone

State/UT	zone	possession of live-stock	category of households						all	households reporting fodder collection	
			rural labour	other with land possessed (ha)				all		estd. (00)	sample
				< 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Punjab	UG	P	687	425	100	72	25	127	327	5040	465
		NP	-	-	-	-	-	-	-	-	-
		all	336	130	79	53	21	75	180	5040	465
Rajasthan	CHg	P	48	93	51	49	26	37	40	1368	76
		NP	-	-	-	-	-	-	-	-	-
		all	35	36	44	46	24	32	33	1368	76
	TD	P	115	73	-	-	-	5	25	445	20
		NP	-	-	-	-	-	-	-	-	-
		all	89	38	-	-	-	4	22	445	20
	all	**P**	**66**	**85**	**45**	**42**	**15**	**26**	**35**	**1814**	**96**
		NP	-	-	-	-	-	-	-	-	-
		all	**49**	**37**	**39**	**38**	**14**	**22**	**29**	**1814**	**96**
Sikkim	EHm	P	742	506	577	532	347	491	530	276	361
		NP	-	-	-	-	-	-	-	-	-
		all	299	107	466	468	337	333	325	276	361
Tamil Nadu	DP	P	316	207	113	209	139	157	228	2638	171
		NP	-	-	-	-	-	-	-	-	-
		all	64	19	63	134	95	63	64	2638	171
	EG	P	307	241	219	160	138	173	232	3604	264
		NP	3	-	-	-	-	-	2	69	5
		all	78	25	99	91	93	65	72	3673	269
	WC	P	304	17	6	13	19	12	115	50	14
		NP	-	-	-	4	-	1	0	1	1
		all	16	1	2	6	11	3	12	51	15
	all	**P**	**311**	**220**	**168**	**176**	**138**	**163**	**229**	**6292**	**449**
		NP	**2**	-	-	**0**	-	**0**	**1**	**70**	**6**
		all	**69**	**22**	**81**	**103**	**93**	**62**	**66**	**6362**	**455**
Tripura	EHm	P	24	91	72	17	-	46	38	76	17
		NP	2	-	-	-	-	-	1	3	1
		all	9	15	40	9	-	18	14	80	18

Table 18.1: Number per 1000 of households reporting *collection* of fodder from CPR by household type for each climatic zone

State/UT	zone	possession of live-stock	category of households						all	households reporting fodder collection	
			rural labour	other with land possessed (ha)							
				< 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Uttar Pradesh	WHm	P	977	769	846	959	686	872	907	15863	351
		NP	-	-	-	-	-	-	-	-	-
		all	887	439	823	959	669	783	817	15883	352
	MG	P	466	338	309	253	149	244	296	16848	825
		NP	-	-	-	-	-	-	-	-	-
		all	251	121	229	215	132	173	195	16848	825
	TG	P	355	368	246	167	84	167	217	18444	867
		NP	0	-	-	-	-	-	0	5	1
		all	217	154	192	147	77	130	157	18449	868
	CHg	P	500	306	467	486	354	367	398	2186	101
		NP	-	-	-	-	-	-	-	-	-
		all	294	269	296	434	331	334	321	2186	101
	all	**P**	**478**	**394**	**361**	**324**	**135**	**269**	**324**	**53341**	**2144**
		NP	**0**	**-**	**-**	**-**	**-**	**-**	**0**	**5**	**1**
		all	**292**	**164**	**282**	**287**	**124**	**205**	**232**	**53366**	**2146**
West Bengal	EHm	P	64	76	27	68	16	49	56	387	20
		NP	-	-	-	-	-	-	-	-	-
		all	34	26	22	64	16	33	34	387	20
	LG	P	148	128	137	139	121	132	139	5592	298
		NP	0	-	-	-	-	-	0	4	1
		all	69	40	91	111	103	77	73	5622	303
	EHg	P	343	542	386	296	200	315	325	4079	199
		NP	30	8	20	-	-	9	20	171	12
		all	162	153	271	240	183	211	189	4249	211
	all	**P**	**173**	**177**	**184**	**169**	**131**	**165**	**168**	**10057**	**517**
		NP	**6**	**1**	**4**	**-**	**-**	**2**	**4**	**175**	**13**
		all	**83**	**56**	**125**	**138**	**116**	**101**	**93**	**10258**	**534**
A. & N. Islands	Isl	P	184	92	-	-	78	68	117	20	22
		NP	-	-	-	-	-	-	-	-	-
		all	58	15	-	-	63	31	45	20	22

Table 18.1: Number per 1000 of households reporting *collection* of fodder from CPR by household type for each climatic zone

State/UT	zone	possession of live-stock	category of households						all	households reporting fodder collection	
			rural labour	other with land possessed (ha)				all		estd. (00)	sample
				< 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
India	WHm	P	746	536	565	677	377	567	615	19795	1159
		NP	-	-	-	-	34	2	1	7	1
		all	634	274	513	651	363	488	528	19822	1161
	EHm	P	191	187	221	218	151	183	185	6604	1393
		NP	12	1	5	3	-	2	6	155	23
		all	81	59	133	163	129	123	109	6759	1417
	LG	P	148	128	137	139	121	132	139	5592	298
		NP	0	-	-	-	-	-	0	4	1
		all	69	40	91	111	103	77	73	5622	303
	MG	P	504	311	270	210	136	208	291	33182	1778
		NP	2	0	-	-	-	0	1	119	8
		all	207	96	180	168	115	136	163	33302	1786
	TG	P	355	368	246	167	84	167	217	18444	867
		NP	0	-	-	-	-	-	0	5	1
		all	217	154	192	147	77	130	157	18449	868
	UG	P	643	493	269	181	72	189	340	11704	782
		NP	-	-	-	-	-	-	-	-	-
		all	340	166	213	155	65	125	208	11704	782
	EHg	P	152	266	186	153	141	157	155	11903	572
		NP	6	2	6	-	-	2	4	205	13
		all	76	58	128	128	130	115	97	12108	585
	CHg	P	147	209	109	136	103	113	123	11194	592
		NP	4	-	-	-	4	1	3	112	10
		all	83	58	83	118	95	92	89	11306	602
	WHg	P	302	319	248	166	152	165	215	13140	693
		NP	5	1	-	-	3	1	4	220	24
		all	111	40	141	115	129	107	109	13360	717
	DP	P	355	402	179	206	177	198	256	14272	779
		NP	2	-	-	-	-	-	1	80	4
		all	106	50	96	143	148	111	108	14352	783
	EG	P	369	285	263	261	261	264	307	14350	834
		NP	3	-	-	-	-	-	2	173	10
		all	102	37	134	171	202	115	108	14523	844
	WC	P	220	142	149	155	180	160	184	5027	298
		NP	1	-	-	0	12	1	1	61	9
		all	68	27	66	95	137	65	66	5088	307
	GC	P	219	316	273	90	51	104	138	4458	375
		NP	10	-	-	-	-	-	5	123	10
		all	101	51	223	80	47	72	84	4582	385
	TD	P	115	73	-	-	-	5	25	445	20
		NP	-	-	-	-	-	-	-	-	-
		all	89	38	-	-	-	4	22	445	20
	Isl	P	159	62	-	-	78	60	102	20	22
		NP	-	-	-	-	-	-	-	-	-
		all	54	14	-	-	63	28	41	20	22
	all	**P**	**318**	**302**	**252**	**218**	**127**	**184**	**227**	**170131**	**10462**
		NP	**3**	**0**	**1**	**0**	**2**	**1**	**2**	**1263**	**114**
		all	**134**	**76**	**168**	**175**	**112**	**122**	**127**	**171441**	**10582**

Table 18.2: Number per 1000 of households reporting *sale* of fodder collected from CPR by household type for each climatic zone

State/UT	zone	possession of live-stock	hh type						all	households reporting fodder sale	
			rural labour	other with land possessed (ha)							
				< 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more	all		estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	DP	P	-	-	-	-	-	-	-	-	-
		NP	3	-	-	-	-	-	2	80	4
		all	2	-	-	-	-	-	1	80	4
	EG	P	3	-	-	-	-	-	1	21	1
		NP	1	-	-	-	-	-	1	21	1
		all	1	-	-	-	-	-	1	43	2
	all	**P**	**1**	**-**	**-**	**-**	**-**	**-**	**0**	**21**	**1**
		NP	**2**	**-**	**-**	**-**	**-**	**-**	**1**	**102**	**5**
		all	2	**-**	**-**	**-**	**-**	**-**	**1**	**123**	**6**
Arunachal Pradesh	EHm	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
Assam	EHm	P	39	-	5	2	1	2	9	191	22
		NP	15	3	10	-	-	3	10	131	16
		all	24	2	6	1	1	2	9	322	38
Bihar	MG	P	0	2	-	-	1	0	0	22	3
		NP	3	1	-	-	-	0	2	119	8
		all	2	1	-	-	0	0	1	141	11
	EHg	P	7	-	11	7	9	8	8	167	7
		NP	-	-	-	-	-	-	-	-	-
		all	4	-	7	6	9	6	5	167	7
	all	**P**	**2**	**2**	**2**	**2**	**3**	**3**	**2**	**189**	**10**
		NP	**3**	**1**	**-**	**-**	**-**	**0**	**2**	**119**	**8**
		all	**2**	**1**	**1**	**2**	**3**	**2**	**2**	**309**	**18**
Gujarat	GC	P	6	-	23	-	0	3	4	128	9
		NP	10	-	-	-	-	-	6	123	10
		all	8	-	19	-	0	2	5	251	19
Haryana	UG	P	-	-	-	-	2	1	1	14	1
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	2	1	1	14	1

Table 18.2: Number per 1000 of households reporting *sale* of fodder collected from CPR by household type for each climatic zone

State/UT	zone	posse-ssion of live-stock	hh type						all	households reporting fodder sale	
			rural labour	other with land possessed (ha)				all		estd. (00)	sample
				< 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Himachal Pradesh	WHm	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
Jammu & Kashmir	WHm	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
Karnataka	WHg	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
	DP	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
	WC	P	33	-	68	-	-	6	15	98	4
		NP	-	-	-	-	-	-	-	-	-
		all	13	-	51	-	-	4	8	98	4
	all	**P**	**6**	**-**	**17**	**-**	**-**	**1**	**3**	**98**	**4**
		NP	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
		all	**2**	**-**	**9**	**-**	**-**	**1**	**1**	**98**	**4**
Kerala	WC	P	2	-	-	-	-	-	1	10	2
		NP	2	-	-	-	-	-	1	38	7
		all	2	-	-	-	-	-	1	48	9
Madhya Pradesh	EHg	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
	CHg	P	3	-	39	24	-	3	3	154	9
		NP	6	-	-	-	7	2	5	109	9
		all	5	-	23	18	1	3	4	263	18
	WHg	P	49	-	-	-	-	-	15	111	6
		NP	31	-	-	-	-	-	21	55	3
		all	41	-	-	-	-	-	17	165	9
	all	**P**	**7**	**-**	**26**	**12**	**-**	**2**	**4**	**265**	**15**
		NP	**6**	**-**	**-**	**-**	**5**	**2**	**5**	**164**	**12**
		all	**7**	**-**	**15**	**9**	**0**	**2**	**4**	**429**	**27**

Table 18.2: Number per 1000 of households reporting *sale* of fodder collected from CPR by household type for each climatic zone

State/UT	zone	possession of live-stock	hh type						all	households reporting fodder sale	
			rural labour	other with land possessed (ha)				all		estd. (00)	sample
				< 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Maharashtra	CHg	P	-	12	-	-	-	1	1	3	1
		NP	-	-	-	-	-	-	-	-	-
		all	-	1	-	-	-	1	0	3	1
	EHg & WHg	P	4	1	-	-	0	0	2	69	10
		NP	5	1	-	-	4	2	4	165	21
		all	4	1	-	-	1	1	3	233	31
	WC	P	39	-	-	28	-	6	18	96	4
		NP	-	-	-	-	-	-	-	-	-
		all	15	-	-	20	-	2	7	96	4
	all	**P**	**7**	**2**	**-**	**6**	**0**	**1**	**3**	**168**	**15**
		NP	**4**	**1**	**-**	**-**	**3**	**1**	**3**	**165**	**21**
		all	**5**	**1**	**-**	**4**	**1**	**1**	**3**	**332**	**36**
Manipur	EHm	P	-	17	-	-	-	1	1	1	1
		NP	41	-	11	19	-	8	14	20	6
		all	27	3	7	10	-	5	9	22	7
Meghalaya	EHm	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
Mizoram	EHm	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
Nagaland	EHm	P	-	-	-	-	5	4	4	3	4
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	4	3	3	3	4
Orissa	EHg	P	-	-	-	-	1	0	0	4	1
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	1	0	0	4	1
	EG	P	4	-	-	-	-	-	1	19	1
		NP	16	-	-	-	-	-	7	83	4
		all	10	-	-	-	-	-	4	102	5
	all	**P**	**1**	**-**	**-**	**-**	**0**	**0**	**1**	**23**	**2**
		NP	**5**	**-**	**-**	**-**	**-**	**-**	**3**	**83**	**4**
		all	**3**	**-**	**-**	**-**	**0**	**0**	**2**	**106**	**6**

Table 18.2: Number per 1000 of households reporting *sale* of fodder collected from CPR by household type for each climatic zone

State/UT	zone	possession of live-stock	hh type						all	households reporting fodder sale	
			rural labour	other with land possessed (ha)				all		estd. (00)	sample
				< 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Punjab	UG	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
Rajasthan	CHg	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
	TD	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
	all	**P**	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
Sikkim	EHm	P	-	-	2	-	-	1	0	0	1
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	1	-	-	0	0	0	1
Tamil Nadu	DP	P	2	-	-	-	-	-	1	10	2
		NP	-	-	-	-	-	-	-	-	-
		all	0	-	-	-	-	-	0	10	2
	EG	P	14	-	-	-	10	4	8	132	8
		NP	3	-	-	-	-	-	2	69	5
		all	6	-	-	-	6	1	4	201	13
	WC	P	-	-	6	13	-	5	3	1	2
		NP	-	-	-	4	-	1	0	1	1
		all	-	-	2	6	-	2	0	2	3
	all	**P**	**9**	-	**0**	**0**	**5**	**2**	**5**	**143**	**12**
		NP	**2**	-	-	**0**	-	**0**	**1**	**70**	**6**
		all	**3**	-	**0**	**0**	**4**	**1**	**2**	**213**	**18**
Tripura	EHm	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-

Table 18.2: Number per 1000 of households reporting *sale* of fodder collected from CPR by household type for each climatic zone

State/UT	zone	possession of live-stock	hh type						all	households reporting fodder sale	
			rural labour	other with land possessed (ha)						estd. (00)	sample
				< 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more	all			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Uttar Pradesh	WHm	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
	MG	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
	TG	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
	CHg	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
	all	**P**	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
West Bengal	EHm	P	-	21	-	-	-	4	2	17	1
		NP	-	-	-	-	-	-	-	-	-
		all	-	7	-	-	-	3	1	17	1
	LG	P	0	-	-	-	-	-	0	2	1
		NP	0	-	-	-	-	-	0	4	1
		all	0	-	-	-	-	-	0	5	2
	EHg	P	12	-	-	-	-	-	4	53	4
		NP	30	8	20	-	-	9	20	171	12
		all	18	5	6	-	-	3	10	224	16
	all	**P**	**2**	**2**	-	-	-	**0**	**1**	**71**	**6**
		NP	**6**	**1**	**4**	-	-	**2**	**4**	**175**	**13**
		All	**4**	**2**	**1**	-	-	**1**	**2**	**246**	**19**
A. & N. Islands	Isl	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-

Table 18.2: Number per 1000 of households reporting *sale* of fodder collected from CPR by household type for each climatic zone

State/UT	zone	possession of livestock	hh type						all	households reporting fodder sale	
			rural labour	other with land possessed (ha)				all		estd. (00)	sample
				< 0.20	0.20 -0.5	0.50 - 1.00	1.00 or more				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
India	WHm	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
	EHm	P	19	6	2	1	1	2	6	212	29
		NP	11	1	5	3	-	2	6	151	22
		all	13	3	4	1	1	2	6	363	51
	LG	P	0	-	-	-	-	-	0	2	1
		NP	0	-	-	-	-	-	0	4	1
		all	0	-	-	-	-	-	0	5	2
	MG	P	0	1	-	-	0	0	0	22	3
		NP	2	0	-	-	-	0	1	119	8
		all	1	1	-	-	0	0	1	141	11
	TG	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
	UG	P	-	-	-	-	1	1	0	14	1
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	1	0	0	14	1
	EHg	P	4	-	3	2	3	2	3	224	12
		NP	5	2	6	-	-	2	4	171	12
		all	4	1	4	2	2	2	3	395	24
	CHg	P	2	1	10	7	-	2	2	157	10
		NP	4	-	-	-	4	1	3	109	9
		all	3	0	8	6	0	2	2	266	19
	WHg	P	8	1	-	-	0	0	3	179	16
		NP	5	1	-	-	3	1	4	220	24
		all	6	1	-	-	0	0	3	399	40
	DP	P	0	-	-	-	-	-	0	10	2
		NP	2	-	-	-	-	-	1	80	4
		all	1	-	-	-	-	-	1	90	6
	EG	P	7	-	-	-	3	1	4	173	10
		NP	3	-	-	-	-	-	2	173	10
		all	4	-	-	-	2	1	3	346	20
	WC	P	14	-	7	6	-	3	8	205	12
		NP	1	-	-	0	-	0	1	38	8
		all	5	-	3	4	-	1	3	244	20
	GC	P	6	-	23	-	0	3	4	128	9
		NP	10	-	-	-	-	-	5	123	10
		all	8	-	19	-	0	2	5	251	19
	TD	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
	Isl	P	-	-	-	-	-	-	-	-	-
		NP	-	-	-	-	-	-	-	-	-
		all	-	-	-	-	-	-	-	-	-
	all	**P**	**4**	**1**	**2**	**1**	**1**	**1**	**2**	**1326**	**105**
		NP	**3**	**0**	**1**	**0**	**1**	**0**	**2**	**1189**	**108**
		all	**3**	**0**	**2**	**1**	**1**	**1**	**2**	**2515**	**213**

Table 19: Average quantity (Qts.) and value (Rs.) of collection and sale of fodder collected from CPR during last 365 days by category of households.

category of households	collection		sale		no. of hhs	
	quantity (Qts.)	value (Rs.)	quantity (Qts.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Andhra Pradesh			
rural labour	120	71	8	4	64766	2965
'other' with land possessed						
less than 0.20	41	44	-	-	20368	1139
0.20 - 0.50	166	111	-	-	6340	321
0.50 - 1.00	135	90	-	-	8113	366
1.00 or more	320	177	-	-	19745	930
others: all	171	107	-	-	54566	2756
all households	**143**	**88**	**5**	**2**	**119333**	**5721**
			Arunachal Pradesh			
rural labour	18	4	-	-	121	59
'other' with land possessed						
less than 0.20	93	88	-	-	294	115
0.20 - 0.50	15	15	-	-	219	86
0.50 - 1.00	68	52	-	-	195	84
1.00 or more	31	15	-	-	796	375
others: all	46	34	-	-	1504	660
all households	**44**	**32**	**-**	**-**	**1625**	**719**
			Assam			
rural labour	99	60	28	20	11550	1067
'other' with land possessed						
less than 0.20	53	60	0	0	4008	416
0.20 - 0.50	126	153	3	2	2772	333
0.50 - 1.00	311	180	2	1	6228	542
1.00 or more	254	160	3	2	10555	885
others: all	220	147	2	1	23563	2176
all households	**180**	**119**	**11**	**7**	**35114**	**3243**
			Bihar			
rural labour	199	146	4	8	66441	3192
'other' with land possessed						
less than 0.20	128	95	4	6	21957	1208
0.20 – 0.50	141	91	5	4	15016	812
0.50 – 1.00	159	102	1	1	17709	858
1.00 or more	193	113	8	15	28904	1394
others: all	160	102	5	8	83587	4272
all households	**177**	**121**	**5**	**8**	**150028**	**7464**

Note: The category " others" stands for households other than rural households.

Table 19: Average quantity (Qts.) and value (Rs.) of collection and sale of fodder collected from CPR during last 365 days by category of households.

category of households	collection		sale		no. of hhs	
	quantity (Qts.)	value (Rs.)	quantity (Qts.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Gujarat			
rural labour	242	202	9	4	21546	1161
'other' with land possessed						
less than 0.20	96	79	-	-	8863	540
0.20 – 0.50	475	504	106	43	3731	201
0.50 – 1.00	214	185	-	-	4436	214
1.00 or more	156	184	0	0	15893	823
others: all	184	192	12	5	32923	1778
all households	**207**	**196**	**11**	**5**	**54468**	**2939**
			Haryana			
rural labour	2954	1617	-	-	8563	389
'other' with land possessed						
less than 0.20	1318	653	-	-	5838	309
0.20 – 0.50	1863	1103	-	-	1347	67
0.50 – 1.00	1525	652	-	-	1766	79
1.00 or more	770	360	0	0	7874	378
others: all	1127	552	0	0	16825	833
all households	**1743**	**911**	**0**	**0**	**25388**	**1222**
			Himachal Pradesh			
rural labour	481	425	-	-	1964	368
'other' with land possessed						
less than 0.20	273	220	-	-	1702	326
0.20 – 0.50	1302	1118	-	-	2512	465
0.50 – 1.00	1340	1152	-	-	1955	360
1.00 or more	937	865	-	-	2092	395
others: all	1007	877	-	-	8262	1546
all households	**906**	**790**	-	-	**10226**	**1914**

Note: The category " others" stands for households other than rural households

Table 19: Average quantity (Qts.) and value (Rs.) of collection and sale of fodder collected from CPR during last 365 days by category of households.

category of households	collection		sale		no. of hhs	
	quantity (Qts.)	value (Rs.)	quantity (Qts.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Jammu & Kashmir			
rural labour	41	20	-	-	1817	348
'other' with land possessed						
less than 0.20	63	31	-	-	751	203
0.20 – 0.50	43	22	-	-	1713	389
0.50 – 1.00	47	36	-	-	2034	394
1.00 or more	57	33	-	-	1593	385
others: all	50	31	-	-	6091	1371
all households	**48**	**28**	-	-	**7907**	**1719**
			Karnataka			
rural labour	213	172	2	4	30789	1341
'other' with land possessed						
less than 0.20	41	38	-	-	8138	473
0.20 – 0.50	62	134	8	14	2649	133
0.50 – 1.00	251	207	-	-	6032	259
1.00 or more	177	128	-	-	22084	946
others: all	152	122	1	1	38903	1811
all households	**179**	**144**	**1**	**2**	**69692**	**3152**
			Kerala			
rural labour	70	92	2	11	21901	1350
'other' with land possessed						
less than 0.20	53	55	-	-	12195	852
0.20 – 0.50	75	99	-	-	5425	366
0.50 – 1.00	37	48	-	-	3204	184
1.00 or more	51	45	-	-	2686	159
others: all	56	63	-	-	23510	1561
all households	**63**	**77**	**1**	**5**	**45411**	**2911**
			Madhya Pradesh			
rural labour	89	79	2	3	45539	2446
'other' with land possessed						
less than 0.20	46	30	-	-	6866	502
0.20 – 0.50	153	229	12	24	2795	166
0.50 – 1.00	471	353	6	11	6724	338
1.00 or more	309	213	1	2	45559	2350
others: all	290	208	2	3	61944	3356
all households	**205**	**154**	**2**	**3**	**107483**	**5802**

Note: The category " others" stands for households other than rural households

Table 19: Average quantity (Qts.) and value (Rs.) of collection and sale of fodder collected from CPR during last 365 days by category of households.

category of households	collection		sale		no. of hhs	
	quantity (Qts.)	value (Rs.)	quantity (Qts.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Maharashtra			
rural labour	199	166	6	8	57650	2706
'other' with land possessed						
less than 0.20	71	42	1	2	17558	965
0.20 – 0.50	142	222	-	-	4066	205
0.50 – 1.00	255	175	0	1	5130	236
1.00 or more	312	224	0	0	26842	1247
others: all	215	160	0	1	53597	2653
all households	**207**	**163**	**4**	**4**	**111247**	**5359**
			Manipur			
rural labour	133	33	17	4	382	126
'other' with land possessed						
less than 0.20	9	2	5	1	330	109
0.20 – 0.50	11	3	2	1	420	152
0.50 – 1.00	436	182	6	1	682	220
1.00 or more	273	68	-	-	692	266
others: all	233	81	3	1	2123	747
all households	**217**	**74**	**5**	**1**	**2505**	**873**
			Meghalaya			
rural labour	4	13	-	-	520	166
'other' with land possessed						
less than 0.20	0	2	-	-	155	54
0.20 – 0.50	92	24	-	-	740	215
0.50 – 1.00	92	57	-	-	777	203
1.00 or more	27	14	-	-	1265	402
others: all	59	27	-	-	2937	874
all households	**51**	**25**	**-**	**-**	**3457**	**1040**
			Mizoram			
rural labour	62	35	-	-	31	30
'other' with land possessed						
less than 0.20	226	121	-	-	89	87
0.20 – 0.50	169	99	-	-	176	144
0.50 – 1.00	207	107	-	-	224	165
1.00 or more	281	158	-	-	198	168
others: all	221	121	-	-	687	564
all households	**214**	**118**	**-**	**-**	**718**	**594**

Note: The category " others" stands for households other than rural households

Table 19: Average quantity (Qts.) and value (Rs.) of collection and sale of fodder collected from CPR during last 365 days by category of households.

category of households	collection		sale		no. of hhs	
	quantity (Qts.)	value (Rs.)	quantity (Qts.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Nagaland			
rural labour	145	91	-	-	65	52
'other' with land possessed						
less than 0.20	-	-	-	-	53	53
0.20 – 0.50	6	9	-	-	46	65
0.50 – 1.00	16	28	-	-	52	49
1.00 or more	328	273	1	3	654	676
others: all	268	224	1	3	805	843
all households	**259**	**214**	**1**	**3**	**871**	**895**
			Orissa			
rural labour	43	27	1	0	30110	1568
'other' with land possessed						
less than 0.20	31	14	-	-	10108	604
0.20 – 0.50	20	10	-	-	5415	305
0.50 – 1.00	79	37	-	-	6929	356
1.00 or more	128	63	0	0	10889	568
others: all	71	34	0	0	33341	1833
all households	**57**	**31**	**0**	**0**	**63451**	**3401**
			Punjab			
rural labour	1937	1109	-	-	11274	984
'other' with land possessed						
less than 0.20	927	559	-	-	7397	740
0.20 – 0.50	327	186	-	-	950	87
0.50 – 1.00	285	179	-	-	1305	110
1.00 or more	177	83	-	-	7045	612
others: all	526	307	-	-	16697	1549
all households	**1095**	**630**	**-**	**-**	**27971**	**2533**
			Rajasthan			
rural labour	146	102	-	-	16106	851
'other' with land possessed						
less than 0.20	74	47	-	-	5576	399
0.20 – 0.50	34	20	-	-	3777	212
0.50 – 1.00	26	14	-	-	6695	348
1.00 or more	21	18	-	-	30223	1691
others: all	29	21	-	-	46271	2650
all households	**59**	**42**	**-**	**-**	**62377**	**3501**

Note: The category " others" stands for households other than rural households

Table 19: Average quantity (Qts.) and value (Rs.) of collection and sale of fodder collected from CPR during last 365 days by category of households.

category of households	collection		sale		no. of hhs	
	quantity (Qts.)	value (Rs.)	quantity (Qts.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Sikkim			
rural labour	1115	694	-	-	202	201
'other' with land possessed						
less than 0.20	276	168	-	-	194	216
0.20 – 0.50	2062	1305	0	0	180	218
0.50 – 1.00	2353	1428	-	-	142	155
1.00 or more	1565	983	-	-	132	146
others: all	1491	927	0	0	647	735
all households	**1401**	**871**	**0**	**0**	**849**	**936**
			Tamil Nadu			
rural labour	165	148	4	3	56184	2953
'other' with land possessed						
less than 0.20	40	28	-	-	17083	1122
0.20 – 0.50	161	106	1	0	6568	375
0.50 – 1.00	249	171	1	1	7062	391
1.00 or more	237	154	3	1	9422	483
others: all	143	96	1	1	40135	2371
all households	**156**	**126**	**3**	**2**	**96319**	**5324**
			Tripura			
rural labour	11	10	-	-	2351	510
'other' with land possessed						
less than 0.20	24	23	-	-	1556	355
0.20 – 0.50	105	101	-	-	707	150
0.50 – 1.00	17	16	-	-	619	131
1.00 or more	-	-	-	-	372	70
others: all	37	36	-	-	3254	706
all households	**26**	**25**	-	-	**5606**	**1216**
			Uttar Pradesh			
rural labour	770	435	-	-	70301	2999
'other' with land possessed						
less than 0.20	458	279	-	-	37681	1829
0.20 – 0.50	595	328	-	-	31300	1442
0.50 – 1.00	621	316	-	-	40243	1566
1.00 or more	362	171	-	-	50484	2167
others: all	495	264	-	-	159708	7004
all households	**579**	**316**	-	-	**230008**	**10003**

Note: The category " others" stands for households other than rural households

Table 19: Average quantity (Qts.) and value (Rs.) of collection and sale of fodder collected from CPR during last 365 days by category of households.

category of households	collection		sale		no. of hhs	
	quantity (Qts.)	value (Rs.)	quantity (Qts.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			West Bengal			
rural labour	48	22	2	1	51742	2421
'other' with land possessed						
less than 0.20	34	14	0	0	21634	1155
0.20 - 0.50	59	23	0	0	13278	684
0.50 - 1.00	89	38	-	-	13905	607
1.00 or more	79	39	-	-	9993	445
others: all	60	26	0	0	58810	2891
all households	**55**	**24**	**1**	**0**	**110552**	**5312**
			A. & N. Islands			
rural labour	16	13	-	-	230	261
'other' with land possessed						
less than 0.20	4	5	-	-	117	122
0.20 – 0.50	-	-	-	-	6	14
0.50 – 1.00	-	-	-	-	16	24
1.00 or more	42	27	-	-	77	81
others: all	17	12	-	-	216	241
all households	**17**	**13**	**-**	**-**	**447**	**502**
			India			
rural labour	294	191	4	4	575246	30835
'other' with land possessed						
less than 0.20	200	124	0	1	212543	14156
0.20 – 0.50	305	205	5	3	112335	7657
0.50 – 1.00	338	197	1	1	142333	8267
1.00 or more	251	155	1	2	306238	18075
others: all	261	162	1	1	773449	48155
all households	**275**	**174**	**2**	**3**	**1348695**	**78990**

Note: The category " others" stands for households other than rural households

Table 19.1: Average quantity (Qts.) and value (Rs.) of collection and sale of fodder collected from CPR during last 30 days by category of households.

category of households	collection		sale		no. of hhs	
	quantity (Qts.)	value (Rs.)	quantity (Qts.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Andhra Pradesh			
rural labour	11	6	0	0	64766	2965
'other' with land possessed						
less than 0.20	3	3	-	-	20368	1139
0.20 - 0.50	13	10	-	-	6340	321
0.50 - 1.00	10	7	-	-	8113	366
1.00 or more	23	12	-	-	19745	930
others: al l	13	8	-	-	54566	2756
all households	**12**	**7**	**0**	**0**	**119333**	**5721**
			Arunachal Pradesh			
rural labour	7	2	-	-	121	59
'other' with land possessed						
less than 0.20	36	34	-	-	294	115
0.20 - 0.50	4	4	-	-	219	86
0.50 - 1.00	12	7	-	-	195	84
1.00 or more	5	3	-	-	796	375
others: al l	12	10	-	-	1504	660
all households	**12**	**9**	**-**	**-**	**1625**	**719**
			Assam			
rural labour	8	5	2	1	11550	1067
'other' with land possessed						
less than 0.20	5	7	-	-	4008	416
0.20 - 0.50	10	16	-	-	2772	333
0.50 - 1.00	28	16	0	0	6228	542
1.00 or more	25	17	0	0	10555	885
others: al l	20	15	0	0	23563	2176
all households	**16**	**12**	**1**	**0**	**35114**	**3243**
			Bihar			
rural labour	19	15	0	1	66441	3192
'other' with land possessed						
less than 0.20	15	12	0	1	21957	1208
0.20 - 0.50	12	8	-	-	15016	812
0.50 - 1.00	15	10	0	0	17709	858
1.00 or more	14	9	1	1	28904	1394
others: al l	14	10	0	1	83587	4272
all households	**16**	**12**	**0**	**1**	**150028**	**7464**

Table 19.1: Average quantity (Qts.) and value (Rs.) of collection and sale of fodder collected from CPR during last 30 days by category of households.

category of households	collection		sale		no. of hhs	
	quantity (Qts.)	value (Rs.)	quantity (Qts.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Gujarat			
rural labour	22	20	1	0	21546	1161
'other' with land possessed						
less than 0.20	8	7	-	-	8863	540
0.20 - 0.50	49	50	16	7	3731	201
0.50 - 1.00	19	18	-	-	4436	214
1.00 or more	16	20	0	0	15893	823
others: all	18	19	2	1	32923	1778
all households	**20**	**20**	**1**	**1**	**54468**	**2939**
			Haryana			
rural labour	234	139	-	-	8563	389
'other' with land possessed						
less than 0.20	110	63	-	-	5838	309
0.20 - 0.50	155	109	-	-	1347	67
0.50 - 1.00	83	49	-	-	1766	79
1.00 or more	58	31	-	-	7874	378
others: all	86	50	-	-	16825	833
all households	**136**	**80**	**-**	**-**	**25388**	**1222**
			Himachal Pradesh			
rural labour	31	26	-	-	1964	368
'other' with land possessed						
less than 0.20	19	14	-	-	1702	326
0.20 - 0.50	115	102	-	-	2512	465
0.50 - 1.00	177	165	-	-	1955	360
1.00 or more	108	109	-	-	2092	395
others: all	108	101	-	-	8262	1546
all households	**93**	**86**	**-**	**-**	**10226**	**1914**
			Jammu & Kashmir			
rural labour	3	1	-	-	1817	348
'other' with land possessed						
less than 0.20	6	3	-	-	751	203
0.20 - 0.50	3	2	-	-	1713	389
0.50 - 1.00	5	3	-	-	2034	394
1.00 or more	3	2	-	-	1593	385
others: all	4	2	-	-	6091	1371
all households	**4**	**2**	**-**	**-**	**7907**	**1719**

Table 19.1: Average quantity (Qts.) and value (Rs.) of collection and sale of fodder collected from CPR during last 30 days by category of households.

category of households	collection		sale		no. of hhs	
	quantity (Qts.)	value (Rs.)	quantity (Qts.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Karnataka			
rural labour	22	21	0	0	30789	1341
'other' with land possessed						
less than 0.20	3	3	-	-	8138	473
0.20 - 0.50	9	30	-	-	2649	133
0.50 - 1.00	17	15	-	-	6032	259
1.00 or more	10	9	-	-	22084	946
others: al l	10	10	-	-	38903	1811
all households	**15**	**15**	**0**	**0**	**69692**	**3152**
			Kerala			
rural labour	8	10	0	1	21901	1350
'other' with land possessed						
less than 0.20	4	4	-	-	12195	852
0.20 - 0.50	7	9	-	-	5425	366
0.50 - 1.00	3	4	-	-	3204	184
1.00 or more	5	4	-	-	2686	159
others: al l	5	5	-	-	23510	1561
all households	**6**	**7**	**0**	**0**	**45411**	**2911**
			Madhya Pradesh			
rural labour	4	5	0	0	45539	2446
'other' with land possessed						
less than 0.20	1	1	-	-	6866	502
0.20 - 0.50	7	12	-	-	2795	166
0.50 - 1.00	34	24	0	1	6724	338
1.00 or more	13	10	-	-	45559	2350
others: al l	14	11	0	0	61944	3356
all households	**10**	**8**	**0**	**0**	**107483**	**5802**
			Maharashtra			
rural labour	16	14	0	0	57650	2706
'other' with land possessed						
less than 0.20	6	4	0	0	17558	965
0.20 - 0.50	12	19	-	-	4066	205
0.50 - 1.00	32	25	-	-	5130	236
1.00 or more	29	21	-	-	26842	1247
others: al l	20	15	0	0	53597	2653
all households	**18**	**15**	**0**	**0**	**111247**	**5359**

Table 19.1: Average quantity (Qts.) and value (Rs.) of collection and sale of fodder collected from CPR during last 30 days by category of households.

category of households	collection		sale		no. of hhs	
	quantity (Qts.)	value (Rs.)	quantity (Qts.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Manipur			
rural labour	12	3	-	-	382	126
'other' with land possessed						
less than 0.20	-	-	-	-	330	109
0.20 - 0.50	1	0	-	-	420	152
0.50 - 1.00	2	0	-	-	682	220
1.00 or more	20	4	-	-	692	266
others: all	7	2	-	-	2123	747
all households	**8**	**2**	-	-	**2505**	**873**
			Meghalaya			
rural labour	0	1	-	-	520	166
'other' with land possessed						
less than 0.20	0	0	-	-	155	54
0.20 - 0.50	10	3	-	-	740	215
0.50 - 1.00	7	4	-	-	777	203
1.00 or more	2	2	-	-	1265	402
others: all	6	3	-	-	2937	874
all households	**5**	**3**	-	-	**3457**	**1040**
			Mizoram			
rural labour	6	4	-	-	31	30
'other' with land possessed						
less than 0.20	18	10	-	-	89	87
0.20 - 0.50	16	10	-	-	176	144
0.50 - 1.00	17	9	-	-	224	165
1.00 or more	25	14	-	-	198	168
others: all	19	10	-	-	687	564
all households	**19**	**10**	-	-	**718**	**594**
			Nagaland			
rural labour	11	7	-	-	65	52
'other' with land possessed						
less than 0.20	-	-	-	-	53	53
0.20 - 0.50	1	1	-	-	46	65
0.50 - 1.00	1	2	-	-	52	49
1.00 or more	22	18	-	-	654	676
others: all	18	15	-	-	805	843
all households	**18**	**15**	-	-	**871**	**895**

Table 19.1: Average quantity (Qts.) and value (Rs.) of collection and sale of fodder collected from CPR during last 30 days by category of households.

category of households	collection		sale		no. of hhs	
	quantity (Qts.)	value (Rs.)	quantity (Qts.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Orissa			
rural labour	3	2	0	0	30110	1568
'other' with land possessed						
less than 0.20	1	1	-	-	10108	604
0.20 - 0.50	2	1	-	-	5415	305
0.50 - 1.00	4	2	-	-	6929	356
1.00 or more	7	3	-	-	10889	568
others: all	4	2	-	-	33341	1833
all households	**3**	**2**	**0**	**0**	**63451**	**3401**
			Punjab			
rural labour	194	121	-	-	11274	984
'other' with land possessed						
less than 0.20	90	56	-	-	7397	740
0.20 - 0.50	23	14	-	-	950	87
0.50 - 1.00	37	28	-	-	1305	110
1.00 or more	14	7	-	-	7045	612
others: all	50	31	-	-	16697	1549
all households	**108**	**67**	**-**	**-**	**27971**	**2533**
			Rajasthan			
rural labour	11	8	-	-	16106	851
'other' with land possessed						
less than 0.20	6	4	-	-	5576	399
0.20 - 0.50	5	3	-	-	3777	212
0.50 - 1.00	2	1	-	-	6695	348
1.00 or more	1	1	-	-	30223	1691
others: all	2	2	-	-	46271	2650
all households	**5**	**3**	**-**	**-**	**62377**	**3501**
			Sikkim			
rural labour	99	62	-	-	202	201
'other' with land possessed						
less than 0.20	22	14	-	-	194	216
0.20 - 0.50	172	111	0	0	180	218
0.50 - 1.00	173	106	-	-	142	155
1.00 or more	190	112	0	0	132	146
others: all	131	81	0	0	647	735
all households	**124**	**76**	**0**	**0**	**849**	**936**

Table 19.1: Average quantity (Qts.) and value (Rs.) of collection and sale of fodder collected from CPR during last 30 days by category of households.

category of households	collection		sale		no. of hhs	
	quantity (Qts.)	value (Rs.)	quantity (Qts.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Tamil Nadu			
rural labour	14	12	1	0	56184	2953
'other' with land possessed						
less than 0.20	4	3	-	-	17083	1122
0.20 - 0.50	15	10	0	0	6568	375
0.50 - 1.00	26	17	0	0	7062	391
1.00 or more	17	12	-	-	9422	483
others: all	13	8	0	0	40135	2371
all households	**13**	**11**	**0**	**0**	**96319**	**5324**
			Tripura			
rural labour	1	1	-	-	2351	510
'other' with land possessed						
less than 0.20	2	2	-	-	1556	355
0.20 - 0.50	9	9	-	-	707	150
0.50 - 1.00	1	1	-	-	619	131
1.00 or more	-	-	-	-	372	70
others: all	3	3	-	-	3254	706
all households	**2**	**2**	-	-	**5606**	**1216**
			Uttar Pradesh			
rural labour	62	35	-	-	70301	2999
'other' with land possessed						
less than 0.20	40	26	-	-	37681	1829
0.20 - 0.50	54	30	-	-	31300	1442
0.50 - 1.00	36	21	-	-	40243	1566
1.00 or more	26	14	-	-	50484	2167
others: all	37	21	-	-	159708	7004
all households	**45**	**25**	-	-	**230008**	**10003**
			West Bengal			
rural labour	5	2	0	0	51742	2421
'other' with land possessed						
less than 0.20	4	2	-	-	21634	1155
0.20 - 0.50	5	2	0	0	13278	684
0.50 - 1.00	9	4	-	-	13905	607
1.00 or more	7	3	-	-	9993	445
others: all	6	2	0	0	58810	2891
all households	**6**	**2**	**0**	**0**	**110552**	**5312**

Table 19.1: Average quantity (Qts.) and value (Rs.) of collection and sale of fodder collected from CPR during last 30 days by category of households.

category of households	collection		sale		no. of hhs	
	quantity (Qts.)	value (Rs.)	quantity (Qts.)	value (Rs.)	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			A. & N. Islands			
rural labour	1	1	-	-	230	261
'other' with land possessed						
less than 0.20	0	0	-	-	117	122
0.20 – 0.50	-	-	-	-	6	14
0.50 – 1.00	-	-	-	-	16	24
1.00 or more	4	2	-	-	77	81
others: all	1	1	-	-	216	241
all households	**1**	**1**	**-**	**-**	**447**	**502**
			India			
rural labour	25	17	0	0	575246	30835
'other' with land possessed						
less than 0.20	18	12	0	0	212543	14156
0.20 – 0.50	27	19	1	0	112335	7657
0.50 – 1.00	25	16	0	0	142333	8267
1.00 or more	18	12	0	0	306238	18075
others: all	20	14	0	0	773449	48155
all households	**22**	**15**	**0**	**0**	**1348695**	**78990**

Table 20: Per 1000 distribution of quantity of fodder *collected* from CPR during last 365 days by source

category of households	village common land	village forest/ woodlot	govt forest	others	all	estd. quantity (000 tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Andhra Pradesh			
rurallabour	144	1	207	648	1000	779
'other' with land possessed						
less than 0.20	117	-	96	787	1000	84
0.20 - 0.50	374	-	9	617	1000	105
0.50 - 1.00	382	-	40	578	1000	109
1.00 or more	226	9	43	721	1000	632
others: all	251	6	44	699	1000	931
all households	**202**	**4**	**118**	**675**	**1000**	**1710**
			Arunachal Pradesh			
rurallabour	-	-	-	1000	1000	0
'other' with land possessed						
less than 0.20	-	-	318	682	1000	3
0.20 - 0.50	-	-	596	404	1000	0
0.50 - 1.00	-	-	17	983	1000	1
1.00 or more	-	-	54	946	1000	2
others: all	-	-	178	822	1000	7
all households	-	-	**173**	**827**	**1000**	**7**
			Assam			
rurallabour	201	-	338	461	1000	115
'other' with land possessed						
less than 0.20	105	7	6	882	1000	21
0.20 - 0.50	271	2	55	672	1000	35
0.50 - 1.00	118	-	246	636	1000	193
1.00 or more	97	0	182	721	1000	268
others: all	117	1	190	693	1000	518
all households	**132**	**0**	**217**	**651**	**1000**	**633**
			Bihar			
rurallabour	177	11	10	801	1000	1325
'other' with land possessed						
less than 0.20	82	-	7	911	1000	281
0.20 - 0.50	103	15	41	841	1000	212
0.50 - 1.00	135	18	23	824	1000	281
1.00 or more	109	25	60	806	1000	559
others: all	108	17	38	838	1000	1333
all households	**142**	**14**	**24**	**819**	**1000**	**2659**

Note: The category " others" stands for households other than rural households

Table 20: Per 1000 distribution of quantity of fodder *collected* from CPR during last 365 days by source

category of households	village common land	village forest/ woodlot	govt forest	others	all	estd. quantity (000 tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Gujarat			
rurallabour	442	5	40	513	1000	521
'other' with land possessed						
less than 0.20	551	-	9	440	1000	85
0.20 - 0.50	428	15	-	557	1000	177
0.50 - 1.00	632	20	-	347	1000	95
1.00 or more	527	82	73	319	1000	248
others: all	518	41	31	410	1000	605
all households	**483**	**25**	**35**	**457**	**1000**	**1126**
			Haryana			
rurallabour	20	16	5	959	1000	2530
'other' with land possessed						
less than 0.20	27	12	-	960	1000	769
0.20 - 0.50	12	15	-	972	1000	251
0.50 - 1.00	2	28	8	961	1000	269
1.00 or more	7	2	26	965	1000	606
others: all	15	12	10	963	1000	1896
all households	**18**	**14**	**7**	**961**	**1000**	**4425**
			Himachal Pradesh			
rurallabour	29	31	883	57	1000	94
'other' with land possessed						
less than 0.20	1	12	959	29	1000	46
0.20 - 0.50	14	5	871	110	1000	327
0.50 - 1.00	31	13	847	110	1000	262
1.00 or more	16	29	834	120	1000	196
others: all	19	13	859	108	1000	832
all households	**20**	**15**	**862**	**103**	**1000**	**926**
			Jammu & Kashmir			
rurallabour	19	93	327	560	1000	7
'other' with land possessed						
less than 0.20	-	17	107	876	1000	5
0.20 - 0.50	-	17	360	623	1000	7
0.50 - 1.00	-	96	427	477	1000	9
1.00 or more	2	219	352	427	1000	9
others: all	1	101	339	559	1000	31
all households	**4**	**99**	**337**	**559**	**1000**	**38**

Note: The category " others" stands for households other than rural households

Table 20: Per 1000 distribution of quantity of fodder *collected* from CPR during last 365 days by source

category of households	village common land	village forest/ woodlot	govt forest	others	all	estd. quantity (000 tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Karnataka			
rurallabour	137	8	62	793	1000	656
'other' with land possessed						
less than 0.20	51	3	59	887	1000	33
0.20 - 0.50	157	173	84	586	1000	17
0.50 - 1.00	113	-	147	741	1000	151
1.00 or more	176	-	180	644	1000	392
others: all	152	5	162	681	1000	593
all households	**144**	7	**110**	**739**	**1000**	**1249**
			Kerala			
rurallabour	3	-	173	824	1000	154
'other' with land possessed						
less than 0.20	156	-	59	785	1000	64
0.20 - 0.50	-	-	-	1000	1000	41
0.50 - 1.00	-	-	306	694	1000	12
1.00 or more	-	-	203	797	1000	14
others: all	77	-	78	845	1000	131
all households	**37**	-	**129**	**834**	**1000**	**285**
			Madhya Pradesh			
rurallabour	85	1	237	678	1000	406
'other' with land possessed						
less than 0.20	239	24	23	713	1000	32
0.20 - 0.50	10	-	574	416	1000	43
0.50 - 1.00	7	-	107	886	1000	317
1.00 or more	40	1	129	830	1000	1408
others: all	37	1	134	828	1000	1799
all households	**46**	**1**	**153**	**801**	**1000**	**2205**
			Maharashtra			
rurallabour	72	38	54	837	1000	1148
'other' with land possessed						
less than 0.20	118	13	24	844	1000	124
0.20 - 0.50	76	-	210	714	1000	58
0.50 - 1.00	47	23	32	898	1000	131
1.00 or more	95	46	78	781	1000	838
others: all	91	38	73	798	1000	1151
all households	**81**	**38**	**64**	**817**	**1000**	**2298**

Note: The category " others" stands for households other than rural households

Table 20: Per 1000 distribution of quantity of fodder *collected* from CPR during last 365 days by source

category of households	village common land	village forest/ woodlot	govt forest	others	all	estd. quantity (000 tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Manipur			
rurallabour	327	-	-	673	1000	5
'other' with land possessed						
less than 0.20	477	-	298	225	1000	0
0.20 - 0.50	-	-	-	1000	1000	0
0.50 - 1.00	7	2	-	991	1000	30
1.00 or more	417	2	-	581	1000	19
others: all	167	2	2	830	1000	49
all households	**182**	**1**	**2**	**815**	**1000**	**54**
			Meghalaya			
rurallabour	850	-	150	-	1000	0
'other' with land possessed						
less than 0.20	-	1000	-	-	1000	0
0.20 - 0.50	7	110	-	884	1000	7
0.50 - 1.00	48	87	-	865	1000	7
1.00 or more	130	515	-	356	1000	3
others: all	48	182	-	770	1000	17
all households	**58**	**179**	**2**	**760**	**1000**	**18**
			Mizoram			
rurallabour	1000	-	-	-	1000	0
'other' with land possessed						
less than 0.20	673	56	-	271	1000	2
0.20 - 0.50	811	-	-	189	1000	3
0.50 - 1.00	736	-	-	264	1000	5
1.00 or more	578	36	-	385	1000	6
others: all	685	21	-	295	1000	15
all households	**689**	**20**	**-**	**291**	**1000**	**15**
			Nagaland			
rurallabour	10	382	-	607	1000	1
'other' with land possessed						
less than 0.20	-	-	-	-	-	-
0.20 - 0.50	-	-	-	1000	1000	0
0.50 - 1.00	177	95	-	727	1000	0
1.00 or more	330	162	25	484	1000	21
others: all	329	161	24	485	1000	22
all households	**316**	**171**	**23**	**491**	**1000**	**23**

Note: The category " others" stands for households other than rural households

Table 20: Per 1000 distribution of quantity of fodder *collected* from CPR during last 365 days by source

category of households	village common land	village forest/ woodlot	govt forest	others	all	estd. quantity (000 tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Orissa			
rurallabour	394	18	16	572	1000	129
'other' with land possessed						
less than 0.20	289	428	46	238	1000	31
0.20 - 0.50	332	180	321	167	1000	11
0.50 - 1.00	384	32	14	569	1000	55
1.00 or more	302	33	12	653	1000	139
others: all	321	92	31	556	1000	236
all households	**347**	**66**	**26**	**562**	**1000**	**365**
			Punjab			
rurallabour	1	19	2	978	1000	2184
'other' with land possessed						
less than 0.20	0	5	-	995	1000	686
0.20 - 0.50	88	498	-	414	1000	31
0.50 - 1.00	110	90	-	800	1000	37
1.00 or more	-	858	-	142	1000	125
others: all	8	147	-	845	1000	879
all households	**3**	**56**	**1**	**940**	**1000**	**3063**
			Rajasthan			
rurallabour	-	-	144	856	1000	235
'other' with land possessed						
less than 0.20	-	-	38	962	1000	41
0.20 - 0.50	-	-	-	1000	1000	13
0.50 - 1.00	-	-	43	957	1000	17
1.00 or more	1	-	592	407	1000	65
others: all	1	-	299	701	1000	136
all households	**0**	-	**201**	**799**	**1000**	**371**
			Sikkim			
rurallabour	-	-	788	212	1000	23
'other' with land possessed						
less than 0.20	-	-	832	168	1000	5
0.20 - 0.50	-	-	872	128	1000	37
0.50 - 1.00	87	-	764	149	1000	33
1.00 or more	167	-	677	156	1000	21
others: all	66	-	791	143	1000	97
all households	**53**	-	**790**	**156**	**1000**	**119**

Note: The category " others" stands for households other than rural households

Table 20: Per 1000 distribution of quantity of fodder *collected* from CPR during last 365 days by source

category of households	village common land	village forest/ woodlot	govt forest	others	all	estd. quantity (000 tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Tamil Nadu			
Rurallabour	536	8	26	430	1000	928
'other' with land possessed						
less than 0.20	699	6	74	221	1000	68
0.20 - 0.50	563	10	8	419	1000	106
0.50 - 1.00	266	2	10	722	1000	176
1.00 or more	177	1	-	822	1000	224
others: all	337	4	13	646	1000	573
all households	**460**	**7**	**21**	**513**	**1000**	**1501**
			Tripura			
rurallabour	-	-	-	1000	1000	3
'other' with land possessed						
less than 0.20	74	-	-	926	1000	4
0.20 - 0.50	-	-	-	1000	1000	7
0.50 - 1.00	-	-	-	1000	1000	1
1.00 or more	-	-	-	-	-	-
others: all	23	-	-	977	1000	12
all households	**19**	-	-	**981**	**1000**	**15**
			Uttar Pradesh			
rurallabour	340	13	63	583	1000	5414
'other' with land possessed						
less than 0.20	241	86	105	567	1000	1725
0.20 - 0.50	309	78	165	447	1000	1862
0.50 - 1.00	281	56	188	476	1000	2499
1.00 or more	184	129	53	635	1000	1825
others: all	256	85	133	526	1000	7911
all households	**290**	**56**	**105**	**549**	**1000**	**13325**
			West Bengal			
rurallabour	171	9	0	820	1000	248
'other' with land possessed						
less than 0.20	50	0	-	950	1000	74
0.20 - 0.50	179	1	-	820	1000	78
0.50 - 1.00	76	9	8	907	1000	124
1.00 or more	115	-	-	885	1000	79
others: all	102	3	3	892	1000	355
all households	**130**	**6**	**2**	**862**	**1000**	**603**

Note: The category " others" stands for households other than rural households

Table 20: Per 1000 distribution of quantity of fodder *collected* from CPR during last 365 days by source

category of households	village common land	village forest/ woodlot	govt forest	others	all	estd. quantity (000 tonnes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			A. & N. Islands			
rurallabour	-	-	712	288	1000	0
'other' with land possessed						
less than 0.20	-	-	1000	-	1000	0
0.20 - 0.50	-	-	-	-	-	-
0.50 - 1.00	-	-	-	-	-	-
1.00 or more	-	-	417	583	1000	0
others: all	-	-	495	505	1000	0
all households	-	-	**602**	**398**	**1000**	**1**
			India			
rurallabour	195	14	59	732	1000	16924
'other' with land possessed						
less than 0.20	145	42	74	739	1000	4252
0.20 - 0.50	239	52	199	510	1000	3429
0.50 - 1.00	205	35	176	584	1000	4816
1.00 or more	133	57	101	709	1000	7700
others: all	170	48	130	652	1000	20197
all households	**182**	**32**	**98**	**688**	**1000**	**37121**

Note: The category " others" stands for households other than rural households

Table 21 : Number (per 1000) of households reporting (i) possession of livestock and (ii) collection of fodder from CPR by availability of CPR land and forest

State / UT	zone	esti-mate	forest within	no forest with in reach but with CPR land per hh (ha)				no. of households	
				less than 0.1	0.1-0.4	0.4 or more	any	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Andhra Pradesh	DP	P	405	503	1228	153	427	6887	1287
		Q	112	85	199	10	90	5658	276
	EG	P	389	301	380	88	287	6215	748
		Q	260	110	162	51	143	8067	397
	all	**P**	**400**	**394**	**613**	**119**	**361**	**3102**	**2035**
		Q	**160**	**99**	**172**	**32**	**115**	**3725**	**673**
Arunachal Pradesh	EHm	P	655	539	-	478	678	1102	523
		Q	66	-	-	-	55	89	47
Assam	EHm	P	599	696	412	234	621	1805	1974
		Q	184	138	52	138	152	5353	520
Bihar	MG	P	497	491	639	179	485	7141	2972
		Q	94	153	70	29	140	6454	961
	EHg	P	667	628	-	30	656	1086	1051
		Q	114	69	-	30	104	3348	156
	all	**P**	**611**	**496**	**935**	**134**	**521**	**8227**	**4023**
		Q	**107**	**150**	**70**	**29**	**132**	**9802**	**1117**
Gujarat	GC	P	675	745	2297	249	591	2179	1772
		Q	124	77	287	30	84	4564	381
Haryana	UG	P	640	965	372	-	738	8745	897
		Q	245	319	167	-	259	6588	298
Himachal Pradesh	WHm	P	820	753	1122	722	807	8251	1542
		Q	419	72	49	453	362	3702	720
Jammu & Kashmir	WHm	P	850	930	2177	86	812	6419	1379
		Q	53	3	1	-	30	237	89
Karnataka	WHg	P	566	991	876	109	503	4889	632
		Q	93	268	301	13	117	3460	154
	DP	P	641	651	2112	157	617	7339	828
		Q	255	218	700	43	215	6056	336
	WC	P	520	794	1253	-	539	6457	277
		Q	140	68	223	-	126	1514	49
	all	**P**	**571**	**733**	**1186**	**121**	**555**	**8685**	**1737**
		Q	**153**	**218**	**389**	**23**	**158**	**1030**	**539**
Kerala	WC	P	409	306	-	-	324	4703	919
		Q	83	38	-	-	46	2082	170

Table 21 : Number (per 1000) of households reporting (i) possession of livestock and (ii) collection of fodder from CPR by availability of CPR land and forest

State / UT	zone	esti-mate	forest within	no forest with in reach but with CPR land per hh (ha)				no. of households	
				less than 0.1	0.1-0.4	0.4 or more	any	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Madhya Pradesh	EHg	P	689	629	6789	206	667	8960	947
		Q	85	12	480	3	63	1800	91
	CHg	P	699	773	2667	353	676	6770	2466
		Q	85	126	625	41	95	6589	366
	WHg	P	763	865	2951	379	734	7227	420
		Q	162	30	375	34	100	982	54
	all	**P**	**700**	**754**	**3406**	**319**	**679**	**2958**	**3833**
		Q	**90**	**91**	**561**	**31**	**87**	**9371**	**511**
Maharashtra	CHg	P	473	573	351	-	455	4339	191
		Q	132	65	59	-	122	1162	59
EHg &	WHg	P	471	619	899	141	469	1257	2034
		Q	125	180	85	19	111	9769	547
	WC	P	374	448	-	617	392	5347	250
		Q	112	86	-	270	106	1441	73
	all	**P**	**457**	**591**	**834**	**147**	**458**	**0942**	**2475**
		Q	**124**	**162**	**80**	**22**	**111**	**2372**	**679**
Manipur	EHm	P	461	448	91	53	394	986	362
		Q	111	39	-	-	63	159	65
Meghalaya	EHm	P	367	374	605	450	374	1293	385
		Q	24	-	-	-	22	75	34
Mizoram	EHm	P	548	-	-	-	548	394	338
		Q	206	-	-	-	206	148	121
Nagaland	EHm	P	875	1054	3451	268	862	751	776
		Q	266	110	326	121	221	192	231
Orissa	EHg	P	594	940	1037	-	588	1675	1064
		Q	56	-	15	-	50	1859	89
	EG	P	539	788	493	66	565	5006	902
		Q	114	134	81	1	104	2768	167
	all	**P**	**579**	**804**	**637**	**40**	**578**	**6681**	**1966**
		Q	**71**	**120**	**63**	**1**	**73**	**4627**	**256**
Punjab	UG	P	718	563	581	-	551	5401	1385
		Q	295	181	177	-	180	5040	465
Rajasthan	CHg	P	828	1410	4814	427	820	4460	1827
		Q	22	120	300	10	33	1368	76
	TD	P	873	1036	5282	542	869	7659	1044
		Q	44	51	-	-	22	445	20
	all	**P**	**840**	**1178**	**4932**	**463**	**836**	**2120**	**2871**
		Q	**28**	**77**	**224**	**7**	**29**	**1814**	**96**

Table 21 : Number (per 1000) of households reporting (i) possession of livestock and (ii) collection of fodder from CPR by availability of CPR land and forest

State / UT	zone	esti-mate	forest within	no forest with in reach but with CPR land per hh (ha)				no. of households	
				less than 0.1	0.1-0.4	0.4 or more	any	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Sikkim	EHm	P	660	269	1350	-	613	521	615
		Q	359	42	841	-	325	276	361
Tamil Nadu	DP	P	247	321	869	145	279	1548	641
		Q	70	76	-	0	64	2638	171
	EG	P	266	427	482	139	306	5547	941
		Q	51	111	123	43	72	3673	269
	WC	P	203	76	-	-	104	435	35
		Q	33	3	-	-	12	51	15
	all	**P**	**255**	**350**	**482**	**140**	**286**	**7531**	**1617**
		Q	**59**	**86**	**95**	**31**	**66**	**6362**	**455**
Tripura	EHm	P	382	334	-	-	360	2016	452
		Q	21	1	-	-	14	80	18
Uttar Pradesh	WHm	P	908	-	-	-	900	7492	441
		Q	847	-	-	-	817	5883	352
	MG	P	712	845	451	135	660	6934	2730
		Q	260	240	96	35	195	6848	825
	TG	P	756	846	895	36	723	4922	3616
		Q	176	184	174	19	157	8449	868
	CHg	P	808	1922	3839	137	806	5490	253
		Q	424	877	559	-	321	2186	101
	all	**P**	**790**	**849**	**722**	**79**	**717**	**4839**	**7040**
		Q	**413**	**208**	**139**	**23**	**232**	**3366**	**2146**
West Bengal	EHm	P	503	634	-	-	599	6897	294
		Q	80	16	-	-	34	387	20
	LG	P	671	502	514	2	527	0350	1948
		Q	167	50	169	2	73	5622	303
	EHg	P	597	552	-	-	557	2548	601
		Q	180	195	-	-	189	4249	211
	all	**P**	**632**	**525**	**387**	**2**	**541**	**9794**	**2843**
		Q	**159**	**75**	**128**	**2**	**93**	**0258**	**534**
A. & N. Islands	Isl	P	378	605	-	-	384	171	206
		Q	33	-	-	-	45	20	22

Table 21 : Number (per 1000) of households reporting (i) possession of livestock and (ii) collection of fodder from CPR by availability of CPR land and forest

State / UT	zone	esti-mate	forest within	no forest with in reach but with CPR land per hh (ha)				no. of households	
				less than 0.1	0.1-0.4	0.4 or more	any	estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
India	WHm	P	877	850	3205	162	856	2162	3362
		Q	625	35	7	73	528	9822	1161
	EHm	P	538	647	455	248	574	5764	5719
		Q	132	90	53	103	109	6759	1417
	LG	P	671	502	514	2	527	0350	1948
		Q	167	50	169	2	73	5622	303
	MG	P	626	598	488	148	559	4075	5702
		Q	194	179	91	33	163	3302	1786
	TG	P	756	846	895	36	723	4922	3616
		Q	176	184	174	19	157	8449	868
	UG	P	652	658	426	-	610	4387	2310
		Q	253	214	169	-	208	1704	782
	EHg	P	629	589	2921	143	613	6664	3778
		Q	94	146	136	7	97	2108	585
	CHg	P	708	913	3407	377	714	1060	4737
		Q	96	143	446	23	89	1306	602
	WHg	P	511	693	974	159	498	0978	2971
		Q	117	184	172	19	109	3360	717
	DP	P	384	479	1409	152	421	5774	2756
		Q	117	117	302	17	108	4352	783
	EG	P	372	433	435	107	348	6813	2606
		Q	133	114	133	42	108	4523	844
	WC	P	425	319	348	134	357	7335	1546
		Q	107	40	57	59	66	5088	307
	GC	P	672	747	2280	249	590	2390	1822
		Q	123	77	285	30	84	4582	385
	TD	P	873	1036	5282	542	869	7659	1044
		Q	44	51	-	-	22	445	20
	Isl	P	378	630	-	-	404	196	246
		Q	33	-	-	-	41	20	22
	all	**P**	**585**	**594**	**1015**	**213**	**556**	**0543**	**4170**
		Q	**154**	**136**	**169**	**25**	**127**	**1441**	**0582**

Table 22: Number (per 1000) of households reporting collection of some selected materials from CPR for each climatic zone

State/UT	zone	materials collected								no. of households	
		manure	fruit, roots, tubers	gums & resins	honey	medicinal herbs	fish	leaves	weeds, grass bamboo etc.	estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	DP	32	11	2	0	3	3	40	16	62917	3159
	EG	16	15	0	2	0	6	25	22	56416	2562
	all	**24**	**13**	**1**	**1**	**2**	**4**	**33**	**19**	**119333**	**5721**
Arunachal Pradesh	EHm	27	287	23	74	152	307	243	281	1625	719
Assam	EHm	13	81	-	10	7	209	64	93	35114	3243
Bihar	MG	6	3	-	0	0	30	18	13	117875	5861
	EHg	9	118	-	4	3	3	74	28	32153	1603
	all	7	**27**	-	**1**	**1**	**24**	**30**	**16**	**150028**	**7464**
Gujarat	GC	17	17	0	1	0	1	27	19	54468	2939
Haryana	UG	3	5	-	1	1	-	-	1	25388	1222
Himachal Pradesh	WHm	73	1	-	2	19	3	3	2	10226	1914
Jammu & Kashmir	WHm	3	-	-	-	-	0	0	25	7907	1719
Karnataka	WHg	6	54	-	18	-	4	2	28	29588	1300
	DP	34	1	-	-	-	9	-	19	28125	1330
	WC	14	61	-	9	-	29	42	94	11980	522
	all	**19**	**34**	-	**9**	-	**10**	**8**	**36**	**69692**	**3152**
Kerala	WC	1	3	-	1	1	14	1	5	45411	2911
Madhya Pradesh	EHg	69	262	20	11	19	33	184	61	28441	1440
	CHg	9	87	2	4	3	6	186	27	69192	3786
	WHg	3	29	-	-	-	25	124	19	9850	576
	all	**24**	**128**	7	**6**	7	**15**	**180**	**35**	**107483**	**5802**
Maharashtra	CHg	5	-	-	-	-	10	34	2	9543	415
EHg &	WHg	1	12	0	0	0	3	19	16	88053	4339
	WC	7	120	-	6	0	68	33	19	13651	605
	all	**2**	**24**	**0**	**1**	**0**	**11**	**22**	**15**	**111247**	**5359**
Manipur	EHm	10	46	-	2	3	30	28	64	2505	873
Meghalaya	EHm	6	276	-	32	43	165	385	556	3457	1040
Mizoram	EHm	35	709	5	78	6	622	609	675	718	594
Nagaland	EHm	25	164	-	97	86	117	202	205	871	895
Orissa	EHg	21	227	0	4	8	40	388	102	36892	1834
	EG	7	41	-	-	6	10	63	75	26559	1567
	all	**15**	**149**	**0**	**2**	7	**27**	**252**	**90**	**63451**	**3401**

Table 22: Number (per 1000) of households reporting collection of some selected materials from CPR for each climatic zone

State/UT	zone	materials collected								no. of households	
		manure	fruit, roots, tubers	gums & resins	honey	medicinal herbs	fish	leaves	weeds, grass bamboo etc.	estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Punjab	UG	-	-	-	-	-	-	-	-	27971	2533
Rajasthan	CHg	1	-	6	6	-	-	8	0	42048	2274
	TD	1	-	-	-	-	-	-	0	20329	1227
	all	**1**	**-**	**4**	**4**	**-**	**-**	**6**	**0**	**62377**	**3501**
Sikkim											
EHm	18	17	-	-	9	-	83	255	849	936	
Tamil Nadu	DP	1	2	0	0	-	4	4	12	41394	2173
	EG	3	14	-	-	0	9	8	13	50740	2927
	WC	0	16	-	-	0	-	-	5	4184	224
	all	**2**	**9**	**0**	**0**	**0**	**6**	**6**	**12**	**96319**	**5324**
Tripura	EHm	1	43	0	0	2	47	1	107	5606	1216
Uttar Pradesh	WHm	684	10	-	7	3	-	47	14	19429	553
	MG	7	11	-	0	0	10	12	28	86237	4088
	TG	9	2	-	1	-	7	10	29	117535	5042
	CHg	-	-	-	-	-	55	1	12	6809	320
	all	**65**	**6**	**-**	**1**	**0**	**9**	**14**	**27**	**230008**	**10003**
West Bengal	EHm	30	2	-	1	-	72	16	17	11521	512
	LG	0	7	0	1	-	27	30	14	76501	3720
	EHg	3	15	-	-	-	106	20	26	22530	1080
	all	**4**	**8**	**0**	**1**	**-**	**48**	**26**	**17**	**110552**	**5312**
A. & N. Islands	Isl	-	114	29	29	14	15	74	80	447	502
India	WHm	374	6	-	4	7	1	25	13	37562	4186
	EHm	15	85	1	12	12	162	79	120	62264	10028
	LG	0	7	0	1	-	27	30	14	76501	3720
	MG	6	6	-	0	0	22	15	19	204111	9949
	TG	9	2	-	1	-	7	10	29	117535	5042
	UG	2	2	-	0	0	-	-	0	56390	3938
	EHg	25	168	5	5	7	39	183	56	124987	6194
	CHg	5	47	3	4	1	7	106	15	127592	6795
	WHg	2	16	-	5	0	4	20	19	122520	5978
	DP	23	6	1	0	1	5	20	16	132436	6662
	EG	9	20	0	1	1	8	26	29	134410	7120
	WC	4	34	-	3	1	25	13	22	76662	4518
	GC	18	17	0	1	0	1	30	20	54858	3035
	TD	1	-	-	-	-	-	-	0	20329	1227
	Isl	-	105	27	27	13	14	68	73	486	566
	all	**20**	**32**	**1**	**2**	**2**	**20**	**45**	**27**	**1348695**	**78990**

Table 22.1: Number (per 1000) of households reporting collection of some selected materials from CPR by category of households

Category of households	materials collected								no. of households	
	manure	fruit, roots, tubers	gums & resins	honey	medicinal herbs	fish	leaves	weeds, grass bamboo etc.	estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh										
rural labour	28	18	2	1	3	4	42	23	64766	2965
'other' with land possessed										
less than 0.20	10	1	1	0	1	10	14	9	20368	1139
0.20 - 0.50	24	14	-	3	0	12	53	23	6340	321
0.50 - 1.00	7	22	-	3	-	3	42	33	8113	366
1.00 or more	35	3	0	0	1	-	16	7	19745	930
others: all	20	6	0	1	1	5	23	13	54566	2756
all households	**24**	**13**	**1**	**1**	**2**	**4**	**33**	**19**	**119333**	**5721**
Arunachal Pradesh										
rural labour	-	528	-	19	227	322	145	268	121	59
'other' with land possessed										
less than 0.20	11	209	96	128	158	210	184	240	294	115
0.20 - 0.50	14	148	29	29	242	317	288	299	219	86
0.50 - 1.00	74	220	-	35	70	286	253	322	195	84
1.00 or more	30	335	3	84	134	342	265	283	796	375
others: all	30	268	24	78	146	305	251	282	1504	660
all households	**27**	**287**	**23**	**74**	**152**	**307**	**243**	**281**	**1625**	**719**
Assam										
rural labour	8	123	-	15	3	277	87	117	11550	1067
'other' with land possessed										
less than 0.20	1	40	-	0	2	117	51	80	4008	416
0.20 - 0.50	1	52	-	15	-	226	93	119	2772	333
0.50 - 1.00	15	71	-	7	7	213	53	89	6228	542
1.00 or more	24	66	-	10	16	161	42	67	10555	885
others: all	15	61	-	8	9	175	52	81	23563	2176
all households	**13**	**81**	**-**	**10**	**7**	**209**	**64**	**93**	**35114**	**3243**
Bihar										
rural labour	2	28	-	2	0	38	35	21	66441	3192
'other' with land possessed										
less than 0.20	3	19	-	1	-	19	23	13	21957	1208
0.20 - 0.50	2	27	-	-	1	7	20	16	15016	812
0.50 - 1.00	14	22	-	1	3	18	17	13	17709	858
1.00 or more	18	36	-	1	1	10	34	12	28904	1394
others: all	10	27	-	1	1	14	25	13	83587	4272
all households	**7**	**27**	**-**	**1**	**1**	**24**	**30**	**16**	**150028**	**7464**

Table 22.1: Number (per 1000) of households reporting collection of some selected materials from CPR by category of households

Category of households	materials collected								no. of households	
	manure	fruit, roots, tubers	gums & resins	honey	medicinal herbs	fish	leaves	weeds, grass bamboo etc.	estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Gujarat										
rural labour	33	22	1	1	0	1	38	34	21546	1161
'other' with land possesseded										
less than 0.20	2	8	1	-	0	1	4	6	8863	540
0.20 - 0.50	24	15	-	-	-	0	24	18	3731	201
0.50 - 1.00	8	22	-	-	-	1	33	20	4436	214
1.00 or more	6	13	-	-	-	1	26	8	15893	823
others: all	7	13	0	-	0	1	21	10	32923	1778
all households	**17**	**17**	**0**	**1**	**0**	**1**	**27**	**19**	**54468**	**2939**
Haryana										
rural labour	3	9	-	2	-	-	-	2	8563	389
'other' with land possessed										
less than 0.20	-	-	-	-	4	-	-	-	5838	309
0.20 - 0.50	11	14	-	-	-	-	-	-	1347	67
0.50 - 1.00	13	10	-	-	-	-	-	-	1766	79
1.00 or more	2	1	-	-	-	-	-	-	7874	378
others: all	3	2	-	-	1	-	-	-	16825	833
all households	**3**	**5**	**-**	**1**	**1**	**-**	**-**	**1**	**25388**	**1222**
Himachal Pradesh										
rural labour	35	6	-	2	15	4	3	-	1964	368
'other' with land possessed										
less than 0.20	16	-	-	-	3	7	3	-	1702	326
0.20 - 0.50	113	-	-	-	14	2	5	-	2512	465
0.50 - 1.00	106	-	-	2	10	-	-	4	1955	360
1.00 or more	76	-	-	7	51	-	4	4	2092	395
others: all	82	-	-	2	20	2	3	2	8262	1546
all households	**73**	**1**	**-**	**2**	**19**	**3**	**3**	**2**	**10226**	**1914**
Jammu & Kashmir										
rural labour	-	-	-	-	-	-	0	2	1817	348
'other' with land possessed										
less than 0.20	-	-	-	-	-	-	1	1	751	203
0.20 - 0.50	4	-	-	-	-	-	0	14	1713	389
0.50 - 1.00	2	-	-	-	-	-	0	22	2034	394
1.00 or more	10	-	-	-	-	1	-	77	1593	385
others: all	4	-	-	-	-	0	0	32	6091	1371
all households	**3**	**-**	**-**	**-**	**-**	**0**	**0**	**25**	**7907**	**1719**

Table 22.1: Number (per 1000) of households reporting collection of some selected materials from CPR by category of households

Category of households	materials collected								no. of households	
	manure	fruit, roots, tubers	gums & resins	honey	medicinal herbs	fish	leaves	weeds, grass bamboo etc.	estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Karnataka										
rural labour	18	43	-	14	-	7	13	33	30789	1341
'other' with land possessed										
less than 0.20	18	26	-	7	-	28	9	7	8138	473
0.20 – 0.50	42	20	-	6	-	-	15	18	2649	133
0.50 – 1.00	33	33	-	-	-	18	3	54	6032	259
1.00 or more	13	26	-	7	-	8	2	47	22084	946
others: all	19	27	-	6	-	13	5	38	38903	1811
all households	**19**	**34**	**-**	**9**	**-**	**10**	**8**	**36**	**69692**	**3152**
Kerala										
rural labour	1	2	-	3	2	20	2	4	21901	1350
'other' with land possessed										
less than 0.20	-	7	-	1	-	14	-	11	12195	852
0.20 – 0.50	-	0	-	-	0	4	-	-	5425	366
0.50 – 1.00	-	-	-	-	-	-	-	6	3204	184
1.00 or more	-	-	-	-	-	6	-	-	2686	159
others: all	-	4	-	0	0	9	-	7	23510	1561
all households	**1**	**3**	**-**	**1**	**1**	**14**	**1**	**5**	**45411**	**2911**
Madhya Pradesh										
rural labour	18	137	2	4	3	10	225	33	45539	2446
'other' with land possessed										
less than 0.20	2	38	5	1	7	21	51	22	6866	502
0.20 – 0.50	7	157	9	-	9	26	141	56	2795	166
0.50 – 1.00	24	139	21	-	23	31	153	46	6724	338
1.00 or more	35	129	9	9	8	15	160	36	45559	2350
others: all	29	122	10	7	9	18	146	37	61944	3356
all households	**24**	**128**	**7**	**6**	7	**15**	**180**	**35**	**107483**	**5802**
Maharashtra										
rural labour	2	27	0	1	0	15	28	16	57650	2706
'other' with land possessed										
less than 0.20	-	15	-	1	-	13	13	11	17558	965
0.20 – 0.50	-	67	-	-	1	8	20	3	4066	205
0.50 – 1.00	12	45	-	-	0	11	23	13	5130	236
1.00 or more	1	14	-	1	-	3	18	17	26842	1247
others: all	2	21	-	1	0	7	17	14	53597	2653
all households	**2**	**24**	**0**	**1**	**0**	**11**	**22**	**15**	**111247**	**5359**

Table 22.1: Number (per 1000) of households reporting collection of some selected materials from CPR by category of households

Category of households	materials collected								no. of households	
	manure	fruit, roots, tubers	gums & resins	honey	medicinal herbs	fish	leaves	weeds, grass bamboo etc.	estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Manipur										
rural labour	18	13	-	-	-	24	-	18	382	126
'other' with land possessed										
less than 0.20	-	9	-	-	-	80	3	3	330	109
0.20 – 0.50	5	35	-	-	-	3	1	49	420	152
0.50 – 1.00	10	48	-	1	4	7	43	73	682	220
1.00 or more	15	85	-	6	9	47	58	119	692	266
others: all	9	52	-	2	4	31	33	72	2123	747
all households	**10**	**46**	**-**	**2**	**3**	**30**	**28**	**64**	**2505**	**873**
Meghalaya										
rural labour	0	411	-	60	72	206	466	680	520	166
'other' with land possessed										
less than 0.20	-	132	-	20	48	191	147	287	155	54
0.20 – 0.50	4	477	-	62	8	355	528	663	740	215
0.50 – 1.00	4	150	-	20	24	84	356	579	777	203
1.00 or more	12	197	-	11	63	83	314	461	1265	402
others: all	7	252	-	27	38	158	370	534	2937	874
all households	**6**	**276**	**-**	**32**	**43**	**165**	**385**	**556**	**3457**	**1040**
Mizoram										
rural labour	-	565	-	51	-	491	530	633	31	30
'other' with land possessed										
less than 0.20	41	383	-	42	-	352	314	378	89	87
0.20 – 0.50	63	698	-	81	4	578	624	703	176	144
0.50 – 1.00	47	753	7	91	5	668	711	768	224	165
1.00 or more	-	838	10	83	13	752	624	684	198	168
others: all	37	716	5	80	7	628	612	677	687	564
all households	**35**	**709**	**5**	**78**	**6**	**622**	**609**	**675**	**718**	**594**
Nagaland										
rural labour	-	144	-	126	116	84	116	109	65	52
'other' with land possessed										
less than 0.20	25	62	-	15	-	52	62	62	53	53
0.20 – 0.50	-	20	-	22	5	21	47	57	46	65
0.50 – 1.00	41	80	-	60	44	27	59	70	52	49
1.00 or more	28	191	-	103	98	140	244	248	654	676
others: all	27	165	-	94	83	120	209	213	805	843
all households	**25**	**164**	**-**	**97**	**86**	**117**	**202**	**205**	**871**	**895**

Table 22.1: Number (per 1000) of households reporting collection of some selected materials from CPR by category of households

Category of households	materials collected								no. of households	
	manure	fruit, roots, tubers	gums & resins	honey	medicinal herbs	fish	leaves	weeds, grass bamboo etc.	estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Orissa										
rural labour	19	167	1	4	12	40	323	75	30110	1568
'other' with land possessed										
less than 0.20	9	117	-	-	2	6	156	118	10108	604
0.20 – 0.50	-	146	-	-	10	23	223	134	5415	305
0.50 – 1.00	14	114	-	2	-	28	172	98	6929	356
1.00 or more	18	155	-	-	1	12	209	82	10889	568
others: all	11	133	-	1	2	15	188	105	33341	1833
all households	**15**	**149**	**0**	**2**	**7**	**27**	**252**	**90**	**63451**	**3401**
Punjab										
rural labour	-	-	-	-	-	-	-	-	11274	984
'other' with land possessed										
less than 0.20	-	-	-	-	-	-	-	-	7397	740
0.20 – 0.50	-	-	-	-	-	-	-	-	950	87
0.50 – 1.00	-	-	-	-	-	-	-	-	1305	110
1.00 or more	-	-	-	-	-	-	-	-	7045	612
others: all	-	-	-	-	-	-	-	-	16697	1549
all households	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**27971**	**2533**
Rajasthan										
rural labour	-	-	6	6	-	-	10	-	16106	851
'other' with land possessed										
less than 0.20	-	-	-	-	-	-	-	1	5576	399
0.20 – 0.50	-	-	-	-	-	-	-	-	3777	212
0.50 – 1.00	4	-	-	-	-	-	2	-	6695	348
1.00 or more	1	-	4	4	-	-	6	-	30223	1691
others: all	1	-	3	3	-	-	4	0	46271	2650
all households	**1**	**-**	**4**	**4**	**-**	**-**	**6**	**0**	**62377**	**3501**
Sikkim										
rural labour	31	20	-	-	7	-	43	231	202	201
'other' with land possessed										
less than 0.20	10	7	-	-	5	-	48	99	194	216
0.20 – 0.50	17	4	-	-	4	-	171	357	180	218
0.50 – 1.00	14	24	-	-	8	-	96	378	142	155
1.00 or more	16	37	-	-	24	-	61	251	132	146
others: all	14	16	-	-	9	-	96	263	647	735
all households	**18**	**17**	**-**	**-**	**9**	**-**	**83**	**255**	**849**	**936**

Table 22.1: Number (per 1000) of households reporting collection of some selected materials from CPR by category of households

Category of households	materials collected								no. of households	
	manure	fruit, roots, tubers	gums & resins	honey	medicinal herbs	fish	leaves	weeds, grass bamboo etc.	estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Tamil Nadu										
rural labour	1	14	0	0	0	7	6	14	56184	2953
'other' with land possessed										
less than 0.20	-	2	-	-	0	6	3	6	17083	1122
0.20 – 0.50	9	1	-	-	0	14	7	13	6568	375
0.50 – 1.00	7	5	-	1	-	7	10	22	7062	391
1.00 or more	0	2	-	1	-	0	0	4	9422	483
others: all	3	3	-	0	0	6	4	10	40135	2371
all households	**2**	**9**	**0**	**0**	**0**	**6**	**6**	**12**	**96319**	**5324**
Tripura										
rural labour	-	55	1	1	3	69	3	104	2351	510
'other' with land possessed										
less than 0.20	-	3	-	-	-	0	-	29	1556	355
0.20 – 0.50	-	32	-	-	-	5	-	150	707	150
0.50 – 1.00	8	86	-	-	6	87	-	173	619	131
1.00 or more	-	89	-	-	-	122	-	255	372	70
others: all	2	35	-	-	1	32	-	108	3254	706
all households	**1**	**43**	**0**	**0**	**2**	**47**	**1**	**107**	**5606**	**1216**
Uttar Pradesh										
rural labour	83	8	-	0	-	13	12	36	70301	2999
'other' with land possessed										
less than 0.20	17	5	-	3	-	11	13	23	37681	1829
0.20 – 0.50	82	10	-	2	1	6	20	27	31300	1442
0.50 – 1.00	126	6	-	2	1	4	14	24	40243	1566
1.00 or more	17	2	-	-	1	7	12	18	50484	2167
others: all	57	5	-	2	1	7	14	22	159708	7004
all households	**65**	**6**	**-**	**1**	**0**	**9**	**14**	**27**	**230008**	**10003**
West Bengal										
rural labour	5	10	0	-	-	57	35	21	51742	2421
'other' with land possessed										
less than 0.20	1	5	-	3	-	37	25	9	21634	1155
0.20 – 0.50	3	4	-	0	-	51	11	18	13278	684
0.50 – 1.00	5	8	-	2	-	44	24	19	13905	607
1.00 or more	6	8	-	0	-	26	8	9	9993	445
others: all	4	6	-	1	-	40	19	13	58810	2891
all households	**4**	**8**	**0**	**1**	**-**	**48**	**26**	**17**	**110552**	**5312**

Table 22.1: Number (per 1000) of households reporting collection of some selected materials from CPR by category of households

Category of households	materials collected								no. of households	
	manure	fruit, roots, tubers	gums & resins	honey	medicinal herbs	fish	leaves	weeds, grass bamboo etc.	estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
A. & N. Islands										
rural labour	-	139	52	51	13	30	103	116	230	261
'other' with land possessed										
less than 0.20	-	9	9	9	-	-	23	13	117	122
0.20 - 0.50	-	-	-	-	-	-	15	-	6	14
0.50 - 1.00	-	272	-	-	141	-	206	272	16	24
1.00 or more	-	177	-	-	15	-	44	40	77	81
others: all	-	88	5	5	16	-	44	41	216	241
all households	**-**	**114**	**29**	**29**	**14**	**15**	**74**	**80**	**447**	**502**
India										
rural labour	19	37	1	3	2	24	56	28	575246	30835
'other' with land possessed										
less than 0.20	6	15	0	2	1	16	21	19	212543	14156
0.20 - 0.50	30	28	0	2	2	22	37	34	112335	7657
0.50 - 1.00	45	29	1	2	2	24	35	34	142333	8267
1.00 or more	16	38	2	3	3	14	46	26	306238	18075
others: all	21	29	1	2	2	18	36	26	773449	48155
all households	**20**	**32**	**1**	**2**	**2**	**20**	**45**	**27**	**1348695**	**78990**

Table 23: Total value (Rs) of collections of selected materials* from CPR during 365 days per household by household type for each state and UT

State/UT	category of households						all	no. of households reporting collection	
	rural	other with land possessed (ha)							
	labour	<0.20	0.20-0.5	0.50-1.00	1.00 or more	all		estd. (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Andhra Pradesh	556	428	678	646	600	552	554	71624	3513
Arunachal Pradesh	2517	1626	7549	3530	8330	6284	6004	1358	631
Assam	1167	1005	1450	1227	801	1024	1071	19346	1884
Bihar	640	556	377	368	381	423	519	69339	3480
Gujarat	839	365	1016	614	520	547	663	30429	1751
Haryana	2125	877	1347	730	432	691	1174	9269	429
Himachal Pradesh	1425	570	2165	2091	1868	1744	1683	6088	1164
Jammu & Kashmir	406	260	523	449	512	463	450	2614	651
Karnataka	748	545	494	746	496	545	635	38931	1776
Kerala	425	487	242	264	114	357	390	7311	520
Madhya Pradesh	925	433	1564	1241	1051	1027	984	62097	3292
Maharashtra	824	837	975	711	709	771	799	66693	3305
Manipur	831	448	1109	1753	1549	1357	1277	1050	442
Meghalaya	2097	637	2283	1982	2058	2020	2031	3017	918
Mizoram	3525	2570	3835	4687	5769	4507	4464	702	559
Nagaland	2137	1328	857	2361	2879	2628	2591	623	686
Orissa	988	708	1458	705	848	875	929	41575	2111
Punjab	1935	828	318	290	136	465	1057	7529	677
Rajasthan	488	246	269	216	161	188	266	13374	730
Sikkim	2018	580	3613	3748	2548	2519	2400	459	552
Tamil Nadu	768	405	694	718	480	525	667	59182	3320
Tripura	597	271	525	765	934	496	538	2011	419
Uttar Pradesh	879	665	761	706	388	607	690	87837	3744
West Bengal	476	616	308	367	258	427	450	47266	2369
A. & N. Islands	562	281	322	666	511	392	480	299	326
India	777	588	749	679	593	630	693	650541	39380

Note: "Selected materials" include fuel wood, fodder, fruits, roots, tuber, leafy vegetables etc. gums & resins, honey, medicinal herbs, fish, leaves, weeds, grass, canes, bamboo etc.

Table 23.1: Total value (Rs) of collections of selected materials* from CPR during 365 days per household by household type for each climatic zone

India

zone	category of households: rural labour	other with land possessed (ha): <0.20	0.20-0.5	0.50-1.00	1.00 or more	all	all	no. of households reporting collection: estd (00)	samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
WHm	1732	1614	2112	2055	2216	2016	1939	25604	2244
EHm	930	1051	1641	1344	1464	1369	1219	31591	6229
LG	424	528	317	367	200	393	408	28832	1491
MG	641	479	362	302	276	355	464	79006	3958
TG	762	599	589	438	230	420	528	35455	1585
UG	1850	836	921	543	292	581	1070	16982	1134
EHg	862	590	1053	755	907	830	845	90685	4406
CHg	821	489	910	693	721	697	744	60055	3180
WHg	781	410	577	598	610	560	674	71218	3505
DP	706	409	678	662	554	543	628	85738	4367
EG	633	439	602	529	435	479	559	68024	3697
WC	630	865	557	744	886	790	715	23809	1289
GC	835	359	1015	610	518	543	658	30624	1788
TD	609	221	152	316	101	130	230	2586	149
Isl	559	276	181	666	511	373	467	314	349
all	**777**	**588**	**749**	**679**	**593**	**630**	**693**	**650541**	**39380**

Note:"Selected materials" include fuelwood, fodder, fruits, roots, tuber, leafy vegetables etc. gums & resins, honey, medicinal herbs, fish, leaves, weeds, grass, canes, bamboo etc.

Table 24: Per 1000 distribution of value of collections of selected materials from CPR during last 365 days by type of material for each state and UT

State/UT	per 1000 distribution of value of materials collected							all	value of Collections (Rs. million)
	fruit,roots, tubers etc.	gums & resins	honey	medicinal herbs	fish	leaves	weeds grass, bamboo etc.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Andhra Pradesh	73	12	5	13	479	298	119	1000	1044
Arunachal Pradesh	211	0	10	10	374	129	265	1000	137
Assam	27	-	5	1	763	27	177	1000	1540
Bihar	208	-	6	2	256	321	207	1000	1010
Gujarat	182	1	3	0	64	529	220	1000	343
Haryana	314	-	9	655	-	-	22	1000	17
Himachal Pradesh	61	-	41	745	89	53	10	1000	32
Jammu & Kashmir	-	-	-	-	10	11	979	1000	2
Karnataka	453	-	13	-	295	81	157	1000	642
Kerala	6	-	9	167	477	4	337	1000	505
Madhya Pradesh	350	5	5	9	101	461	69	1000	2849
Maharashtra	49	0	2	2	750	99	98	1000	1707
Manipur	108	-	6	0	122	444	321	1000	64
Meghalaya	140	-	11	2	184	210	452	1000	320
Mizoram	175	0	18	0	307	296	204	1000	112
Nagaland	234	-	69	22	201	170	303	1000	25
Orissa	259	1	1	4	136	443	156	1000	1923
Punjab	-	-	-	-	-	-	-	-	-
Rajasthan	-	194	183	-	-	614	9	1000	29
Sikkim	2	-	-	1	-	203	794	1000	60
Tamil Nadu	139	0	0	8	205	183	464	1000	525
Tripura	69	2	3	4	247	0	675	1000	134
Uttar Pradesh	20	-	12	3	254	306	404	1000	778
West Bengal	7	0	5	-	842	115	30	1000	2331
A. & N. Islands	224	22	47	13	163	181	349	1000	4
India	154	2	6	11	415	250	162	1000	16156

Table 24.1: Per 1000 distribution of value of collections of selected materials from CPR during last 365 days by type of material for each climatic zone

India

zone	per 1000 distribution of value of materials collected							all	value of Collections (Rs. million)
	fruit,roots, tubers etc.	gums & resins	honey	medicinal herbs	fish	leaves	weeds grass, bamboo etc.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Andhra Pradesh	73	12	5	13	479	298	119	1000	1044
WHm	36	-	18	160	19	688	80	1000	153
EHm	53	0	6	2	645	72	222	1000	2953
LG	8	1	8	-	795	170	18	1000	1472
MG	66	-	5	4	324	319	282	1000	855
TG	14	-	16	-	257	134	579	1000	357
UG	314	-	9	654	-	-	22	1000	17
EHg	387	3	3	9	156	352	90	1000	3305
CHg	162	6	8	2	212	542	68	1000	1898
WHg	78	-	13	0	280	313	315	1000	628
DP	96	15	1	16	236	358	278	1000	801
EG	126	0	4	3	440	169	258	1000	1294
WC	151	-	4	43	665	32	105	1000	2076
GC	183	1	3	0	64	530	220	1000	344
TD	-	-	-	-	-	-	1000	1000	0
Isl	224	22	47	13	163	181	349	1000	4
all	**154**	**2**	**6**	**11**	**415**	**250**	**162**	**1000**	**16156**

Table 25: Number (per 1000) of households reporting use of other community resources by purpose of use for each climatic zone

State/UT	zone	community or government water resources used for				houesholds	
		irrigation	livestock rearing	household enterprise	fishing	estd. (00)	Samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Andhra Pradesh	DP	153	198	17	4	62917	3159
	EG	214	202	40	9	56416	2562
	all	**182**	**200**	**28**	**6**	**119333**	**5721**
Arunachal Pradesh	EHm	194	155	19	310	1625	719
Assam	EHm	76	223	60	306	35114	3243
Bihar	MG	334	199	22	9	117875	5861
	EHg	177	322	134	60	32153	1603
	all	**300**	**226**	**46**	**20**	**150028**	**7464**
Gujarat	GC	205	358	14	1	54468	2939
Haryana	UG	245	586	35	-	25388	1222
Himachal Pradesh	WHm	165	484	52	1	10226	1914
Jammu & Kashmir	WHm	619	671	55	-	7907	1719
Karnataka	WHg	132	362	17	2	29588	1300
	DP	188	490	61	7	28125	1330
	WC	167	200	4	11	11980	522
	all	**161**	**386**	**33**	**5**	**69692**	**3152**
Kerala	WC	68	73	4	9	45411	2911
Madhya Pradesh	EHg	108	559	15	19	28441	1440
	CHg	178	445	29	1	69192	3786
	WHg	196	396	22	-	9850	576
	all	**161**	**471**	**24**	**6**	**107483**	**5802**
Maharashtra	CHg	67	276	-	4	9543	415
EHg &	WHg	86	266	17	2	88053	4339
	WC	21	295	2	15	13651	605
	all	**76**	**270**	**13**	**4**	**111247**	**5359**
Manipur	EHm	280	65	48	108	2505	873
Meghalaya	EHm	15	11	54	96	3457	1040
Mizoram	EHm	9	143	203	423	718	594
Nagaland	EHm	315	318	54	375	871	895
Orissa	EHg	138	517	97	118	36892	1834
	EG	172	400	123	75	26559	1567
	all	**152**	**468**	**108**	**100**	**63451**	**3401**

Table 25: Number (per 1000) of households reporting use of other community resources by purpose of use for each climatic zone

State/UT	zone	community or government water resources used for				houesholds	
		irrigation	livestock rearing	household enterprise	fishing	estd. (00)	Samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Punjab	UG	155	78	2	1	27971	2533
Rajasthan	CHg	190	443	27	1	42048	2274
	TD	132	529	10	-	20329	1227
	all	**171**	**471**	**22**	**0**	**62377**	**3501**
Sikkim	EHm	338	389	270	2	849	936
Tamil Nadu	DP	72	64	5	3	41394	2173
	EG	160	158	8	10	50740	2927
	WC	44	20	1	10	4184	224
	all	**117**	**112**	**6**	**7**	**96319**	**5324**
Tripura	EHm	73	39	2	5	5606	1216
Uttar Pradesh	WHm	171	816	-	-	19429	553
	MG	574	245	35	4	86237	4088
	TG	451	326	5	0	117535	5042
	CHg	392	674	2	3	6809	320
	all	**472**	**347**	**16**	**2**	**230008**	**10003**
West Bengal	EHm	108	374	79	242	11521	512
	LG	254	232	22	54	76501	3720
	EHg	278	241	5	35	22530	1080
	all	**243**	**248**	**25**	**70**	**110552**	**5312**
A. & N. Islands	Isl	19	57	6	8	447	502
India	WHm	263	695	26	0	37562	4186
	EHm	96	217	61	246	62264	10028
	LG	254	232	22	54	76501	3720
	MG	436	219	28	7	204111	9949
	TG	451	326	5	0	117535	5042
	UG	188	305	17	1	56390	3938
	EHg	169	425	67	61	124987	6194
	CHg	185	444	25	1	127592	6795
	WHg	101	291	18	2	122520	5978
	DP	135	218	23	4	132436	6662
	EG	184	224	44	22	134410	7120
	WC	74	129	4	11	76662	4518
	GC	204	357	14	1	54858	3035
	TD	132	529	10	-	20329	1227
	Isl	19	61	6	9	486	566
	all	**228**	**298**	**28**	**25**	**1348695**	**78990**

Table 25.1: Number (per 1000) of households reporting use of other community resources by purpose of use and category of households

Category of households	community or government water resources used for				houesholds	
	irrigation	livestock rearing	household enterprise	fishing	estd. (00)	Samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Andhra Pradesh			
rural labour	122	154	27	6	64766	2965
'other' with land possessed						
less than 0.20	20	76	33	12	20368	1139
0.20 - 0.50	398	267	35	10	6340	321
0.50 - 1.00	424	290	25	5	8113	366
1.00 or more	376	420	22	0	19745	930
others: all	253	255	28	6	54566	2756
all households	**182**	**200**	**28**	**6**	**119333**	**5721**
			Arunachal Pradesh			
rural labour	33	36	37	224	121	59
'other' with land possessed						
less than 0.20	9	5	2	61	294	115
0.20 - 0.50	229	89	80	457	219	86
0.50 - 1.00	222	196	22	188	195	84
1.00 or more	271	236	4	405	796	375
others: all	207	165	17	317	1504	660
all households	**194**	**155**	**19**	**310**	**1625**	**719**
			Assam			
rural labour	35	148	80	351	11550	1067
'other' with land possessed						
less than 0.20	24	110	40	183	4008	416
0.20 - 0.50	119	298	55	281	2772	333
0.50 - 1.00	110	330	62	358	6228	542
1.00 or more	110	267	45	281	10555	885
others: all	97	260	50	285	23563	2176
all households	**76**	**223**	**60**	**306**	**35114**	**3243**
			Bihar			
rural labour	167	190	52	21	66441	3192
'other' with land possessed						
less than 0.20	151	81	52	12	21957	1208
0.20 - 0.50	549	238	26	13	15016	812
0.50 - 1.00	514	352	35	22	17709	858
1.00 or more	461	333	46	28	28904	1394
others: all	407	254	42	20	83587	4272
all households	**300**	**226**	**46**	**20**	**150028**	**7464**

Note: The category "others" stands for households other than rural households.

Table 25.1: Number (per 1000) of households reporting use of other community resources by purpose of use and category of households

Category of households	community or government water resources used for				houesholds	
	irrigation	livestock rearing	household enterprise	fishing	estd. (00)	Samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Gujarat			
rural labour	116	272	5	2	21546	1161
'other' with land possessed						
less than 0.20	20	100	46	1	8863	540
0.20 - 0.50	540	561	23	0	3731	201
0.50 - 1.00	474	558	-	1	4436	214
1.00 or more	277	514	12	1	15893	823
others: all	264	414	21	1	32923	1778
all households	**205**	**358**	**14**	**1**	**54468**	**2939**
			Haryana			
rural labour	27	568	13	-	8563	389
'other' with land possessed						
less than 0.20	25	342	11	-	5838	309
0.20 - 0.50	523	538	37	-	1347	67
0.50 - 1.00	515	842	10	-	1766	79
1.00 or more	537	739	82	-	7874	378
others: all	356	596	46	-	16825	833
all households	**245**	**586**	**35**	-	**25388**	**1222**
			Himachal Pradesh			
rural labour	110	462	25	4	1964	368
'other' with land possessed						
less than 0.20	153	226	60	-	1702	326
0.20 - 0.50	203	533	16	-	2512	465
0.50 - 1.00	159	602	61	-	1955	360
1.00 or more	186	545	105	-	2092	395
others: all	178	489	58	-	8262	1546
all households	**165**	**484**	**52**	**1**	**10226**	**1914**
			Jammu & Kashmir			
rural labour	656	592	67	-	1817	348
'other' with land possessed						
less than 0.20	456	419	71	-	751	203
0.20 - 0.50	728	704	37	-	1713	389
0.50 - 1.00	629	694	39	-	2034	394
1.00 or more	524	817	74	-	1593	385
others: all	608	695	52	-	6091	1371
all households	**619**	**671**	**55**	-	**7907**	**1719**

Note: The category "others" stands for households other than rural households.

Table 25.1: Number (per 1000) of households reporting use of other community resources by purpose of use and category of households

Category of households	community or government water resources used for				houesholds	
	irrigation	livestock rearing	household enterprise	fishing	estd. (00)	Samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Karnataka			
rural labour	82	295	29	3	30789	1341
'other' with land possessed						
less than 0.20	22	99	31	21	8138	473
0.20 - 0.50	167	338	74	-	2649	133
0.50 - 1.00	341	521	28	5	6032	259
1.00 or more	272	586	35	4	22084	946
others: all	223	457	36	7	38903	1811
all households	**161**	**386**	**33**	**5**	**69692**	**3152**
			Kerala			
rural labour	60	76	4	16	21901	1350
'other' with land possessed						
less than 0.20	49	55	3	3	12195	852
0.20 - 0.50	81	80	12	4	5425	366
0.50 - 1.00	104	104	5	-	3204	184
1.00 or more	154	91	-	-	2686	159
others: all	76	71	5	3	23510	1561
all households	**68**	**73**	**4**	**9**	**45411**	**2911**
			Madhya Pradesh			
rural labour	97	356	18	2	45539	2446
'other' with land possessed						
less than 0.20	13	91	33	3	6866	502
0.20 - 0.50	233	442	11	7	2795	166
0.50 - 1.00	277	545	28	6	6724	338
1.00 or more	227	634	29	9	45559	2350
others: all	209	555	29	8	61944	3356
all households	**161**	**471**	**24**	**6**	**107483**	**5802**
			Maharashtra			
rural labour	43	220	14	4	57650	2706
'other' with land possessed						
less than 0.20	11	71	10	8	17558	965
0.20 - 0.50	161	381	14	8	4066	205
0.50 - 1.00	228	443	6	-	5130	236
1.00 or more	149	458	16	2	26842	1247
others: all	112	324	13	4	53597	2653
all households	**76**	**270**	**13**	**4**	**111247**	**5359**

Note: The category "others" stands for households other than rural households.

Table 25.1: Number (per 1000) of households reporting use of other community resources by purpose of use and category of households

Category of households	community or government water resources used for				houesholds	
	irrigation	livestock rearing	household enterprise	fishing	estd. (00)	Samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Manipur			
rural labour	74	87	92	60	382	126
'other' with land possessed						
less than 0.20	199	2	99	89	330	109
0.20 - 0.50	317	48	20	88	420	152
0.50 - 1.00	353	54	19	127	682	220
1.00 or more	340	102	45	137	692	266
others: all	317	60	40	117	2123	747
all households	**280**	**65**	**48**	**108**	**2505**	**873**
			Meghalaya			
rural labour	16	-	105	122	520	166
'other' with land possessed						
less than 0.20	-	22	50	105	155	54
0.20 - 0.50	14	-	67	123	740	215
0.50 - 1.00	24	-	29	74	777	203
1.00 or more	11	27	41	81	1265	402
others: all	15	13	45	91	2937	874
all households	**15**	**11**	**54**	**96**	**3457**	**1040**
			Mizoram			
rural labour	-	110	127	397	31	30
'other' with land possessed						
less than 0.20	17	29	75	188	89	87
0.20 - 0.50	-	41	270	429	176	144
0.50 - 1.00	6	162	194	505	224	165
1.00 or more	16	269	222	435	198	168
others: all	9	145	206	424	687	564
all households	**9**	**143**	**203**	**423**	**718**	**594**
			Nagaland			
rural labour	370	655	53	122	65	52
'other' with land possessed						
less than 0.20	-	21	46	49	53	53
0.20 - 0.50	90	232	12	53	46	65
0.50 - 1.00	292	473	80	179	52	49
1.00 or more	353	303	56	466	654	676
others: all	310	291	54	396	805	843
all households	**315**	**318**	**54**	**375**	**871**	**895**

Note: The category "others" stands for households other than rural households.

Table 25.1: Number (per 1000) of households reporting use of other community resources by purpose of use and category of households

Category of households	community or government water resources used for				houesholds	
	irrigation	livestock rearing	household enterprise	fishing	estd. (00)	Samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Orissa			
rural labour	105	394	111	138	30110	1568
'other' with land possessed						
less than 0.20	36	167	86	41	10108	604
0.20 - 0.50	224	550	72	63	5415	305
0.50 - 1.00	246	676	108	72	6929	356
1.00 or more	294	780	136	85	10889	568
others: all	194	535	105	66	33341	1833
all households	**152**	**468**	**108**	**100**	**63451**	**3401**
			Punjab			
rural labour	20	91	-	1	11274	984
'other' with land possessed						
less than 0.20	15	28	-	-	7397	740
0.20 - 0.50	308	27	8	-	950	87
0.50 - 1.00	399	71	-	-	1305	110
1.00 or more	452	120	7	2	7045	612
others: all	246	70	3	1	16697	1549
all households	**155**	**78**	**2**	**1**	**27971**	**2533**
			Rajasthan			
rural labour	140	415	34	1	16106	851
'other' with land possessed						
less than 0.20	22	274	28	-	5576	399
0.20 - 0.50	242	493	41	-	3777	212
0.50 - 1.00	228	464	20	-	6695	348
1.00 or more	193	536	12	-	30223	1691
others: all	182	490	17	-	46271	2650
all households	**171**	**471**	**22**	**0**	**62377**	**3501**
			Sikkim			
rural labour	150	271	216	-	202	201
'other' with land possessed						
less than 0.20	117	138	158	-	194	216
0.20 - 0.50	498	484	292	-	180	218
0.50 - 1.00	472	523	434	7	142	155
1.00 or more	591	665	308	6	132	146
others: all	397	426	287	3	647	735
all households	**338**	**389**	**270**	**2**	**849**	**936**

Note: The category "others" stands for households other than rural households.

Table 25.1: Number (per 1000) of households reporting use of other community resources by purpose of use and category of households

Category of households	community or government water resources used for				houesholds	
	irrigation	livestock rearing	household enterprise	fishing	estd. (00)	Samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			Tamil Nadu			
rural labour	65	94	3	8	56184	2953
'other' with land possessed						
less than 0.20	22	44	19	2	17083	1122
0.20 – 0.50	326	178	6	11	6568	375
0.50 – 1.00	306	218	6	12	7062	391
1.00 or more	312	211	5	2	9422	483
others: all	190	136	11	5	40135	2371
all households	**117**	**112**	**6**	**7**	**96319**	**5324**
			Tripura			
rural labour	40	20	-	5	2351	510
'other' with land possessed						
less than 0.20	32	25	6	2	1556	355
0.20 – 0.50	173	120	-	10	707	150
0.50 – 1.00	145	48	6	12	619	131
1.00 or more	136	42	-	-	372	70
others: all	96	52	4	5	3254	706
all households	**73**	**39**	**2**	**5**	**5606**	**1216**
			Uttar Pradesh			
rural labour	381	340	15	2	70301	2999
'other' with land possessed						
less than 0.20	209	188	24	1	37681	1829
0.20 – 0.50	692	376	24	6	31300	1442
0.50 – 1.00	618	447	13	2	40243	1566
1.00 or more	542	380	8	1	50484	2167
others: all	512	351	16	2	159708	7004
all households	**472**	**347**	**16**	**2**	**230008**	**10003**
			West Bengal			
rural labour	153	224	20	79	51742	2421
'other' with land possessed						
less than 0.20	92	139	27	43	21634	1155
0.20 – 0.50	521	352	19	79	13278	684
0.50 – 1.00	439	347	42	83	13905	607
1.00 or more	398	337	30	52	9993	445
others: all	323	270	29	62	58810	2891
all households	**243**	**248**	**25**	**70**	**110552**	**5312**

Note: The category "others" stands for households other than rural households.

Table 25.1: Number (per 1000) of households reporting use of other community resources by purpose of use and category of households

Category of households	community or government water resources used for				houesholds	
	irrigation	livestock rearing	household enterprise	fishing	estd. (00)	Samples
(1)	(2)	(3)	(4)	(5)	(6)	(7)
			A. & N. Islands			
rural labour	24	58	-	16	230	261
'other' with land possessed						
less than 0.20	11	13	24	-	117	122
0.20 - 0.50	-	-	-	-	6	14
0.50 - 1.00	-	-	-	-	16	24
1.00 or more	19	137	-	-	77	81
others: all	13	56	13	-	216	241
all households	**19**	**57**	**6**	**8**	**447**	**502**
			India			
rural labour	137	239	27	27	575246	30835
'other' with land possessed						
less than 0.20	79	118	29	15	212543	14156
0.20 - 0.50	457	341	28	27	112335	7657
0.50 - 1.00	426	415	28	34	142333	8267
1.00 or more	326	465	29	22	306238	18075
others: all	296	342	29	23	773449	48155
all households	**228**	**298**	**28**	**25**	**1348695**	**78990**

Note: The category "others" stands for households other than rural households.

Table 26 : Number (per 1000) of households reporting use of water resources under different agencies for irrigation for each climatic zone

State/UT	zone	tank/wells/tubewells/non-govt. surveyed household		village panchayat & resins	canal system belonging to community	Govt.	other house -holds	river spring govt. canal	any	number of households estd. (00)	sample
		individually	jointly with others								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	DP	192	57	38	1	17	17	84	358	62917	3159
	EG	40	14	42	12	29	6	138	256	56416	2562
	all	**120**	**36**	**40**	**6**	**23**	**12**	**109**	**310**	**119333**	**5721**
Arunachal Pradesh	EHm	26	24	1	13	2	0	179	217	1625	719
Assam	EHm	67	3	2	21	13	5	63	122	35114	3243
Bihar	MG	144	17	1	8	11	257	104	429	117875	5861
	EHg	105	22	-	57	52	34	77	266	32153	1603
	all	**136**	**18**	**1**	**19**	**20**	**209**	**98**	**394**	**150028**	**7464**
Gujarat	GC	157	56	12	4	9	116	79	388	54468	2939
Haryana	UG	172	47	24	5	7	96	166	369	25388	1222
Himachal Pradesh	WHm	11	2	10	29	55	2	70	178	10226	1914
Jammu & Kashmir	WHm	7	15	-	1	7	0	612	626	7907	1719
Karnataka	WHg	92	21	9	1	7	10	105	227	29588	1300
	DP	114	14	12	5	13	28	134	296	28125	1330
	WC	224	8	11	-	28	30	104	333	11980	522
	all	**124**	**16**	**10**	**3**	**13**	**21**	**116**	**273**	**69692**	**3152**
Kerala	WC	253	8	4	5	3	15	42	313	45411	2911
Madhya Pradesh	EHg	51	12	3	2	14	6	87	160	28441	1440
	CHg	180	38	8	5	10	53	117	362	69192	3786
	WHg	253	84	1	3	4	69	123	487	9850	576
	all	**153**	**35**	**6**	**4**	**10**	**42**	**110**	**320**	**107483**	**5802**
Maharashtra	CHg	63	3	-	-	-	9	58	132	9543	415
EHg &	WHg	120	50	10	0	9	16	55	232	88053	4339
	WC	63	1	8	3	2	2	7	82	13651	605
	all	**108**	**40**	**8**	**1**	**8**	**14**	**49**	**205**	**111247**	**5359**
Manipur	EHm	149	81	33	137	-	36	117	361	2505	873
Meghalaya	EHm	3	-	-	-	1	-	15	16	3457	1040
Mizoram	EHm	-	-	-	-	-	2	6	9	718	594
Nagaland	EHm	39	48	51	43	36	-	203	323	871	895
Orissa	EHg	20	6	25	10	18	10	102	159	36892	1834
	EG	27	2	12	14	12	4	159	182	26559	1567
	all	**23**	**4**	**20**	**12**	**15**	**8**	**126**	**168**	**63451**	**3401**

Table 26 : Number (per 1000) of households reporting use of water resources under different agencies for irrigation for each climatic zone

State/UT	zone	tank/wells/tubewells/non-govt. canal system belonging to						river spring govt. canal	any	number of households	
		surveyed household		village panchayat & resins	community	Govt.	other house -holds			estd. (00)	sample
		indivi-dually	jointly with others								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Punjab	UG	204	64	2	-	5	33	121	321	27971	2533
Rajasthan	CHg	225	287	11	21	13	87	72	609	42048	2274
	TD	105	87	1	1	1	37	92	310	20329	1227
	all	**186**	**222**	**8**	**14**	**9**	**71**	**79**	**512**	**62377**	**3501**
Sikkim	EHm	1	-	-	-	1	-	337	338	849	936
Tamil Nadu	DP	108	31	7	0	12	4	57	194	41394	2173
	EG	144	30	50	2	29	26	86	306	50740	2927
	WC	90	5	5	-	0	12	27	121	4184	224
	all	**126**	**29**	**30**	**1**	**20**	**16**	**71**	**250**	**96319**	**5324**
Tripura	EHm	42	2	15	6	10	12	29	112	5606	1216
Uttar Pradesh	WHm	15	6	-	-	22	-	154	192	19429	553
	MG	170	38	3	4	35	460	159	715	86237	4088
	TG	206	32	1	3	40	352	114	632	117535	5042
	CHg	198	33	-	9	30	238	135	588	6809	320
	all	**176**	**32**	**2**	**3**	**37**	**360**	**135**	**624**	**230008**	**10003**
West Bengal	EHm	130	6	0	19	2	65	41	205	11521	512
	LG	76	19	6	18	19	144	123	316	76501	3720
	EHg	70	23	31	19	17	189	80	343	22530	1080
	all	**80**	**19**	**11**	**18**	**17**	**145**	**106**	**310**	**110552**	**5312**
A. & N. Islands	Isl	26	-	12	-	7	-	2	45	447	502
India	WHm	12	7	3	8	27	1	227	280	37562	4186
	EHm	73	8	5	22	9	17	64	147	62264	10028
	LG	76	19	6	18	19	144	123	316	76501	3720
	MG	155	26	2	7	22	343	127	549	204111	9949
	TG	206	32	1	3	40	352	114	632	117535	5042
	UG	179	53	12	2	6	60	135	326	56390	3938
	EHg	57	14	16	22	30	47	86	222	124987	6194
	CHg	187	117	8	10	11	71	99	439	127592	6795
	WHg	128	48	7	1	3	20	74	252	122520	5978
	DP	149	40	23	2	14	15	86	294	132436	6662
	EG	77	18	39	8	26	13	122	259	134410	7120
	WC	201	7	6	4	6	15	45	260	76662	4518
	GC	156	56	12	4	9	115	79	386	54858	3035
	TD	105	87	1	1	1	37	92	310	20329	1227
	Isl	40	-	11	-	6	1	1	59	486	566
	all	**133**	**37**	**11**	**8**	**18**	**116**	**103**	**359**	**1348695**	**78990**

Table 26.1: Number (per 1000) of households reporting use of water resources under different agencies for irrigation for each category of households

category of households	tank/wells/tubewells/non-govt. canal system belonging to surveyed household: individually	surveyed household: jointly with others	village panchayat & resins	community	Govt.	other house-holds	river spring govt. canal	any	number of households: estd. (00)	number of households: sample
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh										
rural labour	31	21	27	3	15	11	72	167	64766	2965
'other' with land possessed										
less than 0.20	13	8	3	-	3	3	12	40	20368	1139
0.20 - 0.50	219	73	93	15	42	33	225	654	6340	321
0.50 - 1.00	305	80	106	22	41	12	250	750	8113	366
1.00 or more	413	86	74	11	53	16	239	765	19745	930
others: all	225	55	54	9	31	13	154	479	54566	2756
all households	**120**	**36**	**40**	**6**	**23**	**12**	**109**	**310**	**119333**	**5721**
Arunachal Pradesh										
rural labour	64	91	-	-	21	-	12	125	121	59
'other' with land possessed										
less than 0.20	4	4	-	-	-	-	9	9	294	115
0.20 - 0.50	-	16	-	-	-	-	229	229	219	86
0.50 - 1.00	41	40	-	50	-	4	168	279	195	84
1.00 or more	32	19	1	14	-	-	257	289	796	375
others: all	23	19	1	14	-	1	193	224	1504	660
all households	**26**	**24**	**1**	**13**	**2**	**0**	**179**	**217**	**1625**	**719**
Assam										
rural labour	10	-	2	4	7	-	31	41	11550	1067
'other' with land possessed										
less than 0.20	35	-	1	7	-	-	15	58	4008	416
0.20 - 0.50	65	-	1	54	9	3	100	171	2772	333
0.50 - 1.00	89	5	2	25	27	6	99	180	6228	542
1.00 or more	129	7	4	33	16	12	87	187	10555	885
others: all	95	4	2	29	15	7	79	161	23563	2176
all households	**67**	**3**	**2**	**21**	**13**	**5**	**63**	**122**	**35114**	**3243**
Bihar										
rural labour	42	5	-	11	8	123	50	200	66441	3192
'other' with land possessed										
less than 0.20	39	9	-	13	5	101	35	187	21957	1208
0.20 - 0.50	154	28	1	25	23	418	132	666	15016	812
0.50 - 1.00	211	25	3	35	41	360	163	650	17709	858
1.00 or more	370	47	2	28	46	288	201	697	28904	1394
others: all	211	29	1	25	30	278	137	547	83587	4272
all households	**136**	**18**	**1**	**19**	**20**	**209**	**98**	**394**	**150028**	**7464**

Note: The category "others" stands for households other than rural households.

Table 26.1: Number (per 1000) of households reporting use of water resources under different agencies for irrigation for each category of households

category of households	tank/wells/tubewells/non-govt. canal system belonging to surveyed household: individually	surveyed household: jointly with others	village panchayat & resins	community	Govt.	other house-holds	river spring govt. canal	any	number of households: estd. (00)	number of households: sample
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Gujarat										
rural labour	14	15	8	-	7	80	25	142	21546	1161
'other' with land possessed										
less than 0.20	3	3	1	1	-	10	9	26	8863	540
0.20 - 0.50	169	137	15	-	-	399	185	817	3731	201
0.50 - 1.00	232	131	25	6	28	267	192	775	4436	214
1.00 or more	414	100	19	11	14	116	135	714	15893	823
others: all	251	82	14	6	11	140	115	548	32923	1778
all households	**157**	**56**	**12**	**4**	**9**	**116**	**79**	**388**	**54468**	**2939**
Haryana										
rural labour	3	4	3	-	-	22	10	34	8563	389
'other' with land possessed										
less than 0.20	12	3	4	-	-	16	5	37	5838	309
0.20 - 0.50	107	75	86	14	18	261	160	632	1347	67
0.50 - 1.00	223	123	46	-	11	270	292	770	1766	79
1.00 or more	476	105	45	14	17	168	427	845	7874	378
others: all	259	69	34	8	11	134	245	540	16825	833
all households	**172**	**47**	**24**	**5**	**7**	**96**	**166**	**369**	**25388**	**1222**
Himachal Pradesh										
rural labour	12	2	7	25	13	-	66	124	1964	368
'other' with land possessed										
less than 0.20	-	-	16	53	33	-	51	153	1702	326
0.20 - 0.50	4	-	18	25	66	2	92	206	2512	465
0.50 - 1.00	16	6	6	19	77	6	54	179	1955	360
1.00 or more	25	3	-	28	76	3	79	214	2092	395
others: all	11	2	10	30	64	3	71	191	8262	1546
all households	**11**	**2**	**10**	**29**	**55**	**2**	**70**	**178**	**10226**	**1914**
Jammu & Kashmir										
rural labour	2	3	-	1	2	-	654	660	1817	348
'other' with land possessed										
less than 0.20	8	7	-	-	10	-	446	471	751	203
0.20 - 0.50	-	9	-	0	15	-	713	731	1713	389
0.50 - 1.00	4	16	-	-	6	-	623	632	2034	394
1.00 or more	21	35	-	5	3	2	519	540	1593	385
others: all	8	18	-	1	8	1	599	616	6091	1371
all households	**7**	**15**	**-**	**1**	**7**	**0**	**612**	**626**	**7907**	**1719**

Note: The category "others" stands for households other than rural households.

Table 26.1: Number (per 1000) of households reporting use of water resources under different agencies for irrigation for each category of households

category of households	tank/wells/tubewells/non-govt. canal system belonging to surveyed household		village panchayat & resins	community	Govt.	other house -holds	river spring govt. canal	any	number of households estd. (00)	sample
	indivi-dually	jointly with others								
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
				Karnataka						
rural labour	24	5	5	1	2	12	61	107	30789	1341
'other' with land possessed										
less than 0.20	35	3	1	3	-	5	14	59	8138	473
0.20 - 0.50	169	29	-	-	-	13	154	334	2649	133
0.50 - 1.00	162	44	14	3	50	47	237	484	6032	259
1.00 or more	279	26	22	4	24	32	193	520	22084	946
others: all	202	24	15	3	21	27	160	405	38903	1811
all households	**124**	**16**	**10**	**3**	**13**	**21**	**116**	**273**	**69692**	**3152**
				Kerala						
rural labour	178	12	6	3	2	21	32	240	21901	1350
'other' with land possessed										
less than 0.20	257	-	4	7	4	14	21	301	12195	852
0.20 - 0.50	364	5	-	5	3	11	61	431	5425	366
0.50 - 1.00	431	5	5	-	7	-	93	500	3204	184
1.00 or more	404	20	-	27	-	7	126	503	2686	159
others: all	322	4	3	8	4	11	52	381	23510	1561
all households	**253**	**8**	**4**	**5**	**3**	**15**	**42**	**313**	**45411**	**2911**
				Madhya Pradesh						
rural labour	47	19	4	3	5	23	64	157	45539	2446
'other' with land possessed										
less than 0.20	4	3	-	-	-	7	5	19	6866	502
0.20 - 0.50	64	71	18	7	41	90	81	347	2795	166
0.50 - 1.00	127	45	11	5	22	93	167	431	6724	338
1.00 or more	290	52	7	5	13	55	164	511	45559	2350
others: all	230	47	7	5	14	56	143	440	61944	3356
all households	**153**	**35**	**6**	**4**	**10**	**42**	**110**	**320**	**107483**	**5802**
				Maharashtra						
rural labour	37	28	7	-	7	10	22	103	57650	2706
'other' with land possessed										
less than 0.20	11	0	4	1	-	2	6	22	17558	965
0.20 - 0.50	126	27	30	10	6	62	62	291	4066	205
0.50 - 1.00	163	82	27	-	26	55	135	449	5130	236
1.00 or more	309	86	8	1	11	14	118	483	26842	1247
others: all	183	53	10	1	9	18	79	314	53597	2653
all households	**108**	**40**	**8**	**1**	**8**	**14**	**49**	**205**	**111247**	**5359**

Note: The category "others" stands for households other than rural households.

Table 26.1: Number (per 1000) of households reporting use of water resources under different agencies for irrigation for each category of households

category of households	tank/wells/tubewells/non-govt. canal system belonging to surveyed household: individually	surveyed household: jointly with others	village panchayat & resins	community	Govt.	other house-holds	river spring govt. canal	any	number of households: estd. (00)	number of households: sample
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
				Manipur						
rural labour	71	28	-	63	-	-	13	173	382	126
'other' with land possessed										
less than 0.20	-	84	67	150	-	-	48	204	330	109
0.20 - 0.50	130	55	33	199	-	14	106	352	420	152
0.50 - 1.00	210	63	30	143	-	77	137	436	682	220
1.00 or more	214	142	38	126	-	47	195	471	692	266
others: all	163	90	39	150	-	43	136	395	2123	747
all households	**149**	**81**	**33**	**137**	**-**	**36**	**117**	**361**	**2505**	**873**
				Meghalaya						
rural labour	-	-	-	-	-	-	16	16	520	166
'other' with land possessed										
less than 0.20	-	-	-	-	-	-	-	-	155	54
0.20 - 0.50	4	-	-	-	-	-	14	14	740	215
0.50 - 1.00	-	-	-	-	-	-	24	24	777	203
1.00 or more	6	-	-	-	3	-	11	15	1265	402
others: all	4	-	-	-	1	-	15	16	2937	874
all households	**3**	**-**	**-**	**-**	**1**	**-**	**15**	**16**	**3457**	**1040**
				Mizoram						
rural labour	-	-	-	-	-	-	-	-	31	30
'other' with land possessed										
less than 0.20	-	-	-	-	-	17	-	17	89	87
0.20 - 0.50	-	-	-	-	-	-	-	-	176	144
0.50 - 1.00	-	-	-	-	-	-	6	6	224	165
1.00 or more	-	-	-	-	-	-	16	16	198	168
others: all	-	-	-	-	-	2	7	9	687	564
all households	**-**	**-**	**-**	**-**	**-**	**2**	**6**	**9**	**718**	**594**
				Nagaland						
rural labour	-	-	41	65	-	-	276	370	65	52
'other' with land possessed										
less than 0.20	-	-	-	-	-	-	-	-	53	53
0.20 - 0.50	-	-	38	3	-	-	67	90	46	65
0.50 - 1.00	-	-	152	17	-	-	123	292	52	49
1.00 or more	51	63	49	49	48	-	228	364	654	676
others: all	42	51	52	41	39	-	197	320	805	843
all households	**39**	**48**	**51**	**43**	**36**	**-**	**203**	**323**	**871**	**895**

Note: The category "others" stands for households other than rural households.

Table 26.1: Number (per 1000) of households reporting use of water resources under different agencies for irrigation for each category of households

category of households	tank/wells/tubewells/non-govt. canal system belonging to surveyed household: individually	surveyed household: jointly with others	village panchayat & resins	community	Govt.	other house-holds	river spring govt. canal	any	number of households: estd. (00)	number of households: sample
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
				Orissa						
rural labour	11	3	15	5	12	5	84	116	30110	1568
'other' with land possessed										
less than 0.20	10	-	-	-	-	2	34	42	10108	604
0.20 – 0.50	16	10	31	37	26	4	196	244	5415	305
0.50 – 1.00	50	8	32	27	23	16	201	270	6929	356
1.00 or more	53	9	38	19	30	18	247	330	10889	568
others: all	33	6	24	18	19	10	165	216	33341	1833
all households	**23**	**4**	**20**	**12**	**15**	**8**	**126**	**168**	**63451**	**3401**
				Punjab						
rural labour	8	6	-	-	-	10	10	28	11274	984
'other' with land possessed										
less than 0.20	7	12	-	-	1	12	2	31	7397	740
0.20 – 0.50	280	300	14	-	-	168	137	792	950	87
0.50 – 1.00	437	238	-	-	37	152	251	903	1305	110
1.00 or more	671	149	5	-	12	53	400	921	7045	612
others: all	336	104	3	-	8	49	197	518	16697	1549
all households	**204**	**64**	**2**	**-**	**5**	**33**	**121**	**321**	**27971**	**2533**
				Rajasthan						
rural labour	45	148	6	17	5	81	34	312	16106	851
'other' with land possessed										
less than 0.20	15	20	1	-	-	21	4	57	5576	399
0.20 – 0.50	176	319	9	9	20	118	99	674	3777	212
0.50 – 1.00	213	386	13	18	16	99	93	716	6695	348
1.00 or more	287	250	8	16	10	63	110	636	30223	1691
others: all	235	247	8	14	10	67	94	581	46271	2650
all households	**186**	**222**	**8**	**14**	**9**	**71**	**79**	**512**	**62377**	**3501**
				Sikkim						
rural labour	6	-	-	-	5	-	145	150	202	201
'other' with land possessed										
less than 0.20	-	-	-	-	-	-	117	117	194	216
0.20 – 0.50	-	-	-	-	-	-	498	498	180	218
0.50 – 1.00	-	-	-	-	-	-	472	472	142	155
1.00 or more	-	-	-	-	-	-	591	591	132	146
others: all	-	-	-	-	-	-	397	397	647	735
all households	**1**	**-**	**-**	**-**	**1**	**-**	**337**	**338**	**849**	**936**

Note: The category "others" stands for households other than rural households.

Table 26.1: Number (per 1000) of households reporting use of water resources under different agencies for irrigation for each category of households

category of households	tank/wells/tubewells/non-govt. canal system belonging to surveyed household: individually	surveyed household: jointly with others	village panchayat & resins	community	Govt.	other house-holds	river spring govt. canal	any	number of households: estd. (00)	number of households: sample
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Tamil Nadu										
rural labour	29	16	15	1	12	11	39	106	56184	2953
'other' with land possessed										
less than 0.20	26	3	7	0	2	1	15	49	17083	1122
0.20 - 0.50	288	102	89	3	59	52	160	657	6568	375
0.50 - 1.00	441	87	78	3	51	50	182	777	7062	391
1.00 or more	538	63	78	2	53	21	216	788	9422	483
others: all	262	48	49	2	32	23	115	450	40135	2371
all households	**126**	**29**	**30**	**1**	**20**	**16**	**71**	**250**	**96319**	**5324**
Tripura										
rural labour	11	-	3	3	-	12	22	51	2351	510
'other' with land possessed										
less than 0.20	7	5	4	-	4	17	7	40	1556	355
0.20 - 0.50	101	7	51	-	29	6	87	276	707	150
0.50 - 1.00	96	-	24	36	48	14	24	241	619	131
1.00 or more	172	-	60	9	-	-	67	277	372	70
others: all	64	4	24	8	17	12	35	157	3254	706
all households	42	2	15	6	10	12	29	112	5606	1216
Uttar Pradesh										
rural labour	47	16	1	3	29	304	92	430	70301	2999
'other' with land possessed										
less than 0.20	19	10	-	2	13	155	55	234	37681	1829
0.20 - 0.50	120	48	4	3	48	561	172	816	31300	1442
0.50 - 1.00	209	53	1	4	46	490	156	812	40243	1566
1.00 or more	481	45	2	4	51	360	213	919	50484	2167
others: all	233	39	2	3	40	384	153	710	159708	7004
all households	**176**	**32**	**2**	**3**	**37**	**360**	**135**	**624**	**230008**	**10003**
West Bengal										
rural labour	15	6	4	11	7	92	61	167	51742	2421
'other' with land possessed										
less than 0.20	8	4	3	3	7	43	48	100	21634	1155
0.20 - 0.50	109	40	16	41	41	326	217	626	13278	684
0.50 - 1.00	219	36	25	45	30	262	196	609	13905	607
1.00 or more	347	61	32	22	40	237	189	670	9993	445
others: all	139	29	16	25	26	191	145	436	58810	2891
all households	**80**	**19**	**11**	**18**	**17**	**145**	**106**	**310**	**110552**	**5312**

Note: The category "others" stands for households other than rural households.

Table 26.1: Number (per 1000) of households reporting use of water resources under different agencies for irrigation for each category of households

category of households	tank/wells/tubewells/non-govt. canal system belonging to surveyed household: individually	surveyed household: jointly with others	village panchayat & resins	community	Govt.	other house-holds	river spring govt. canal	any	number of households: estd. (00)	number of households: sample
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
A. & N. Islands										
rural labour	10	-	16	-	8	-	3	34	230	261
'other' with land possessed										
less than 0.20	10	-	-	-	11	-	-	22	117	122
0.20 - 0.50	213	-	-	-	-	-	-	213	6	14
0.50 - 1.00	69	-	-	-	-	-	-	69	16	24
1.00 or more	75	-	19	-	-	-	-	94	77	81
others: all	44	-	7	-	6	-	-	57	216	241
all households	**26**	**-**	**12**	**-**	**7**	**-**	**2**	**45**	**447**	**502**
India										
rural labour	37	17	8	5	10	72	56	183	575246	30835
'other' with land possessed										
less than 0.20	31	6	2	3	5	46	28	112	212543	14156
0.20 - 0.50	143	55	20	16	33	283	164	614	112335	7657
0.50 - 1.00	207	65	19	16	36	240	173	632	142333	8267
1.00 or more	348	76	17	11	28	127	187	642	306238	18075
others: all	205	52	14	11	24	148	138	490	773449	48155
all households	**133**	**37**	**11**	**8**	**18**	**116**	**103**	**359**	**1348695**	**78990**

Note: The category "others" stands for households other than rural households.

Table 27: Number (per 1000) of households reporting use of common water resources for irrigation residing in villages with different ownership type of water resources by presence of local management of common water resources for irrigation

State/UT	zone	households in villages with local management and water resources belonging to			hhs in villages without local management and water resources belonging to			none	all	no. of hhs reporting use of common water resources for irrigation	
		community only	govt. only	both	community only	govt. only	both			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	DP	150	207	236	113	157	173	137	153	9632	464
	EG	167	266	218	238	172	205	221	214	12074	509
	all	**161**	**237**	**224**	**162**	**164**	**183**	**171**	**182**	**21706**	**973**
Arunachal Pradesh	EHm	1000	-	-	-	132	180	214	194	316	173
Assam	EHm	434	562	-	72	247	132	34	76	2675	252
Bihar	MG	144	439	442	312	367	324	327	334	39397	1988
	EHg	301	277	-	107	106	242	194	177	5681	293
	all	**245**	**382**	**442**	**260**	**308**	**300**	**304**	**300**	**45078**	**2281**
Gujarat	GC	455	209	102	280	138	231	159	205	11192	567
Haryana	UG	97	-	-	277	246	296	201	245	6220	278
Himachal Pradesh	WHm	307	393	492	89	178	127	146	165	1686	320
Jammu & Kashmir	WHm	898	703	1000	456	892	640	575	619	4896	922
Karnataka	WHg	-	844	-	110	80	229	127	132	3907	171
	DP	137	-	-	181	39	344	226	188	5297	244
	WC	-	-	-	152	211	104	169	167	2006	91
	all	**137**	**844**	**-**	**151**	**98**	**246**	**168**	**161**	**11210**	**506**
Kerala	WC	85	140	116	60	97	87	54	68	3104	196
Madhya Pradesh	EHg	42	161	120	78	127	267	78	108	3076	157
	CHg	763	274	319	134	259	247	157	178	12345	666
	WHg	62	75	-	151	181	142	259	196	1935	121
	all	**201**	**220**	**220**	**111**	**231**	**249**	**160**	**161**	**17356**	**944**
Maharashtra	CHg	-	286	-	-	91	95	34	67	637	25
EHg &	WHg	418	190	498	97	78	38	71	86	7557	352
	WC	62	-	-	78	7	-	7	21	292	13
	all	**215**	**171**	**498**	**92**	**70**	**43**	**61**	**76**	**8485**	**390**
Manipur	EHm	577	188	327	229	42	116	292	280	702	228
Meghalaya	EHm	-	19	-	8	-	-	18	15	51	18
Mizoram	EHm	-	-	-	-	21	-	8	9	6	4
Nagaland	EHm	311	443	-	154	547	176	396	315	274	285
Orissa	EHg	-	-	586	99	348	196	107	138	5086	266
	EG	532	-	329	167	494	150	115	172	4558	277
	all	**278**	**-**	**395**	**125**	**360**	**177**	**112**	**152**	**9644**	**543**

Table 27: Number (per 1000) of households reporting use of common water resources for irrigation residing in villages with different ownership type of water resources by presence of local management of common water resources for irrigation

State/UT	zone	households in villages with local management and water resources belonging to			hhs in villages without local management and water resources belonging to			none	all	no. of hhs reporting use of common water resources for irrigation	
		community only	govt. only	both	community only	govt. only	both			estd. (00)	sample
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Punjab	UG	-	390	-	149	173	275	137	155	4337	361
Rajasthan	CHg	482	370	208	183	160	144	163	190	7982	413
	TD	265	-	-	144	113	268	117	132	2674	155
	all	**473**	**370**	**208**	**160**	**142**	**160**	**151**	**171**	**10656**	**568**
Sikkim	EHm	-	879	-	188	295	-	351	338	287	333
Tamil Nadu	DP	46	73	147	77	53	89	60	72	2998	156
	EG	257	188	254	177	60	215	40	160	8100	483
	WC	-	-	28	82	-	34	-	44	183	9
	all	**179**	**128**	**195**	**128**	**56**	**166**	**51**	**117**	**11280**	**648**
Tripura	EHm	-	-	328	21	117	124	72	73	407	80
Uttar Pradesh	WHm	-	-	-	386	304	617	126	171	3315	217
	MG	739	323	826	629	507	465	542	574	49542	2359
	TG	399	-	500	492	431	575	419	451	52975	2231
	CHg	-	-	-	417	267	75	413	392	2671	121
	all	**526**	**323**	**620**	**543**	**433**	**519**	**430**	**472**	**108504**	**4928**
West Bengal	EHm	-	-	-	238	-	-	95	108	1241	49
	LG	182	491	365	221	373	168	242	254	19403	917
	EHg	435	-	360	235	486	376	245	278	6258	291
	all	**302**	**491**	**364**	**227**	**387**	**212**	**223**	**243**	**26901**	**1257**
A. & N. Islands	Isl	-	-	265	-	-	-	12	19	8	8
India	WHm	601	516	266	352	412	352	216	263	9897	1459
	EHm	471	381	328	84	204	133	73	96	5960	1422
	LG	182	491	365	221	373	168	242	254	19403	917
	MG	560	429	596	498	388	363	419	436	88939	4347
	TG	399	-	500	492	431	575	419	451	52975	2231
	UG	97	390	-	232	221	274	142	188	10588	644
	EHg	223	232	398	107	199	235	186	169	21180	1053
	CHg	557	316	284	170	190	180	164	185	23635	1225
	WHg	257	221	302	110	69	94	96	101	12320	598
	DP	116	174	190	123	88	172	139	135	17926	864
	EG	212	249	240	189	114	196	140	184	24768	1276
	WC	91	101	82	81	93	73	62	74	5690	328
	GC	455	209	102	280	136	231	157	204	11207	569
	TD	265	-	-	144	113	268	117	132	2674	155
	Isl	-	-	265	-	-	16	11	19	9	9
	all	**261**	**253**	**269**	**239**	**206**	**224**	**220**	**228**	**307170**	**17097**

Table 27.1: Number (per 1000) of households reporting use of common water resources for irrigation by residence in villages with different ownership type of water resources and presence of local management of common water resources for irrigation

Category of households	households in villages with local management and water resources belonging to			hhs in villages without local management and water resources belonging to			none	all	no. of hhs reporting use of common water resources for irrigation	
	community only	govt. only	both	community only	govt. only	both			estd. (00)	sample
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh										
rural labour	72	213	144	125	112	97	102	122	7901	363
'other' with land possessed										
less than 0.20	-	0	93	22	23	35	9	20	414	16
0.20 - 0.50	509	466	429	299	349	421	379	398	2521	118
0.50 - 1.00	483	492	612	276	484	405	408	424	3443	147
1.00 or more	424	380	599	305	268	383	388	376	7427	329
others: all	252	264	335	209	221	297	253	253	13805	610
all households	**161**	**237**	**224**	**162**	**164**	**183**	**171**	**182**	**21706**	**973**
Arunachal Pradesh										
rural labour	-	-	-	-	-	-	40	33	4	2
'other' with land possessed										
less than 0.20	-	-	-	-	-	30	6	9	3	2
0.20 - 0.50	1000	-	-	-	119	359	291	229	50	26
0.50 - 1.00	-	-	-	-	178	-	279	222	43	22
1.00 or more	1000	-	-	-	139	519	300	271	216	121
others: all	1000	-	-	-	139	180	232	207	312	171
all households	**1000**	-	-	-	**132**	**180**	**214**	**194**	**316**	**173**
Assam										
rural labour	222	250	-	29	106	24	19	35	400	39
'other' with land possessed										
less than 0.20	-	-	-	35	-	-	25	24	94	9
0.20 - 0.50	494	-	-	122	321	116	74	119	329	33
0.50 - 1.00	798	1000	-	73	464	139	33	110	686	62
1.00 or more	813	1000	-	109	377	424	44	110	1166	109
others: all	485	667	-	89	355	221	41	97	2275	213
all households	**434**	**562**	-	**72**	**247**	**132**	**34**	**76**	**2675**	**252**
Bihar										
rural labour	113	258	376	148	183	232	149	167	11087	569
'other' with land possessed										
less than 0.20	-	339	993	100	145	200	142	151	3311	197
0.20 - 0.50	236	768	879	437	446	415	610	549	8244	443
0.50 - 1.00	314	681	428	447	479	525	547	514	9097	436
1.00 or more	418	324	202	468	495	328	500	461	13338	636
others: all	317	468	502	361	397	348	432	407	33991	1712
all households	**245**	**382**	**442**	**260**	**308**	**300**	**304**	**300**	**45078**	**2281**

Note: The category "others" stands for households other than rural households.

Table 27.1: Number (per 1000) of households reporting use of common water resources for irrigation by residence in villages with different ownership type of water resources and presence of local management of common water resources for irrigation

Category of households	households in villages with local management and water resources belonging to			hhs in villages without local management and water resources belonging to			none	all	no. of hhs reporting use of common water resources for irrigation	
	community only	govt. only	both	community only	govt. only	both			estd. (00)	sample
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Gujarat										
rural labour	256	124	208	194	104	94	68	116	2497	128
'other' with land possessed										
less than 0.20	97	-	44	43	-	6	8	20	179	9
0.20 - 0.50	762	-	-	570	712	655	469	540	2015	107
0.50 - 1.00	562	-	-	565	557	613	355	474	2103	98
1.00 or more	734	487	-	325	196	330	217	277	4397	225
others: all	549	273	40	335	162	305	220	264	8695	439
all households	**455**	**209**	**102**	**280**	**138**	**231**	**159**	**205**	**11192**	**567**
Haryana										
rural labour	47	-	-	22	48	50	13	27	234	12
'other' with land possessed										
less than 0.20	-	-	-	18	-	71	29	25	147	7
0.20 - 0.50	1000	-	-	570	361	281	668	523	704	33
0.50 - 1.00	-	-	-	571	514	465	471	515	909	41
1.00 or more	204	-	-	598	566	701	422	537	4226	185
others: all	131	-	-	397	365	416	299	356	5986	266
all households	**97**	-	-	**277**	**246**	**296**	**201**	**245**	**6220**	**278**
Himachal Pradesh										
rural labour	401	376	104	-	61	101	120	110	217	40
'other' with land possessed										
less than 0.20	-	146	266	-	78	272	185	153	260	50
0.20 - 0.50	745	522	112	51	226	80	197	203	510	87
0.50 - 1.00	444	790	632	128	284	178	87	159	311	60
1.00 or more	265	706	831	202	203	32	131	186	389	83
others: all	300	395	555	109	203	131	153	178	1469	280
all households	**307**	**393**	**492**	**89**	**178**	**127**	**146**	**165**	**1686**	**320**
Jammu & Kashmir										
rural labour	1000	651	1000	158	910	920	603	656	1192	191
'other' with land possessed										
less than 0.20	697	372	-	103	550	403	472	456	342	76
0.20 - 0.50	1000	587	1000	666	1000	679	697	728	1247	248
0.50 - 1.00	1000	873	1000	572	940	642	562	629	1279	221
1.00 or more	-	1000	1000	492	839	380	476	524	835	186
others: all	861	732	1000	523	880	558	568	608	3704	731
all households	**898**	**703**	**1000**	**456**	**892**	**640**	**575**	**619**	**4896**	**922**

Note: The category "others" stands for households other than rural households.

Table 27.1: Number (per 1000) of households reporting use of common water resources for irrigation by residence in villages with different ownership type of water resources and presence of local management of common water resources for irrigation

Category of households	households in villages with local management and water resources belonging to			hhs in villages without local management and water resources belonging to			none	all	no. of hhs reporting use of common water resources for irrigation	
	community only	govt. only	both	community only	govt. only	both			estd. (00)	sample
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Karnataka										
rural labour	190	500	-	57	45	114	100	82	2527	115
'other' with land possessed										
less than 0.20	-	-	-	9	-	38	32	22	181	12
0.20 - 0.50	-	-	-	159	-	683	152	167	443	26
0.50 - 1.00	225	-	-	377	212	499	337	341	2054	85
1.00 or more	92	1000	-	259	156	417	290	272	6004	268
others: all	106	901	-	220	137	347	227	223	8682	391
all households	**137**	**844**	**-**	**151**	**98**	**246**	**168**	**161**	**11210**	**506**
Kerala										
rural labour	131	148	99	41	96	68	49	60	1319	81
'other' with land possessed										
less than 0.20	86	85	151	62	38	17	42	49	599	42
0.20 - 0.50	-	318	-	90	115	98	60	81	438	29
0.50 - 1.00	-	-	343	24	228	309	79	104	334	20
1.00 or more	-	-	-	180	243	269	105	154	413	24
others: all	52	130	130	80	97	107	58	76	1785	115
all households	**85**	**140**	**116**	**60**	**97**	**87**	**54**	**68**	**3104**	**196**
Madhya Pradesh										
rural labour	69	109	74	84	124	225	81	97	4422	245
'other' with land possessed										
less than 0.20	47	-	-	-	33	-	14	13	87	4
0.20 - 0.50	756	615	609	106	336	156	346	233	652	41
0.50 - 1.00	366	377	737	112	593	328	311	277	1861	96
1.00 or more	344	373	391	159	327	312	221	227	10334	558
others: all	306	330	368	132	305	270	213	209	12935	699
all households	**201**	**220**	**220**	**111**	**231**	**249**	**160**	**161**	**17356**	**944**
Maharashtra										
rural labour	233	83	423	73	46	24	26	43	2473	112
'other' with land possessed										
less than 0.20	-	20	198	42	-	-	9	11	201	12
0.20 - 0.50	-	1000	1000	143	41	-	178	161	656	32
0.50 - 1.00	500	567	1000	223	173	200	201	228	1167	51
1.00 or more	500	481	622	107	182	83	123	149	3988	183
others: all	180	277	578	107	91	63	104	112	6012	278
all households	**215**	**171**	**498**	**92**	**70**	**43**	**61**	**76**	**8485**	**390**

Note: The category "others" stands for households other than rural households.

Table 27.1: Number (per 1000) of households reporting use of common water resources for irrigation by residence in villages with different ownership type of water resources and presence of local management of common water resources for irrigation

Category of households	households in villages with local management and water resources belonging to			hhs in villages without local management and water resources belonging to			none	all	no. of hhs reporting use of common water resources for irrigation	
	community only	govt. only	both	community only	govt. only	both			estd. (00)	sample
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Manipur										
rural labour	206	-	96	70	-	-	58	74	28	12
'other' with land possessed										
less than 0.20	735	-	166	58	-	-	80	199	66	23
0.20 - 0.50	564	291	526	125	124	630	356	317	133	43
0.50 - 1.00	582	1000	926	437	-	-	362	353	240	67
1.00 or more	1000	1000	589	342	106	-	321	340	235	83
others: all	728	233	362	264	52	146	324	317	674	216
all households	**577**	**188**	**327**	**229**	**42**	**116**	**292**	**280**	**702**	**228**
Meghalaya										
rural labour	-	28	-	-	-	-	20	16	8	4
'other' with land possessed										
less than 0.20	-	-	-	-	-	-	-	-	-	-
0.20 - 0.50	-	-	-	-	-	-	16	14	10	4
0.50 - 1.00	-	-	-	-	-	-	29	24	19	6
1.00 or more	-	-	-	12	-	-	14	11	14	4
others: all	-	-	-	9	-	-	18	15	43	14
all households	-	**19**	-	**8**	-	-	**18**	**15**	**51**	**18**
Mizoram										
rural labour	-	-	-	-	-	-	-	-	-	-
'other' with land possessed										
less than 0.20	-	-	-	-	167	-	-	17	2	1
0.20 - 0.50	-	-	-	-	-	-	-	-	-	-
0.50 - 1.00	-	-	-	-	-	-	8	6	1	1
1.00 or more	-	-	-	-	-	-	22	16	3	2
others: all	-	-	-	-	21	-	9	9	6	4
all households	-	-	-	-	**21**	-	**8**	**9**	**6**	**4**
Nagaland										
rural labour	-	1000	-	-	884	323	200	370	24	21
'other' with land possessed										
less than 0.20	-	-	-	-	-	-	-	-	-	-
0.20 - 0.50	-	-	-	-	280	-	103	90	4	6
0.50 - 1.00	-	1000	-	-	671	-	278	292	15	16
1.00 or more	312	353	-	193	577	206	468	353	231	242
others: all	311	410	-	155	513	157	417	310	250	264
all households	**311**	**443**	-	**154**	**547**	**176**	**396**	**315**	**274**	**285**

Note: The category "others" stands for households other than rural households.

Table 27.1: Number (per 1000) of households reporting use of common water resources for irrigation by residence in villages with different ownership type of water resources and presence of local management of common water resources for irrigation

Category of households	households in villages with local management and water resources belonging to			hhs in villages without local management and water resources belonging to			none	all	no. of hhs reporting use of common water resources for irrigation	
	community only	govt. only	both	community only	govt. only	both			estd. (00)	sample
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Orissa										
rural labour	162	-	235	78	271	124	94	105	3171	179
'other' with land possessed										
less than 0.20	84	-	210	30	5	10	58	36	360	26
0.20 - 0.50	481	-	693	205	561	214	152	224	1214	73
0.50 - 1.00	578	-	528	182	727	378	147	246	1701	89
1.00 or more	270	-	672	264	592	347	184	294	3198	176
others: all	348	-	586	168	471	235	124	194	6474	364
all households	**278**	**-**	**395**	**125**	**360**	**177**	**112**	**152**	**9644**	**543**
Punjab										
rural labour	-	-	-	-	60	-	27	20	228	19
'other' with land possessed										
less than 0.20	-	382	-	10	-	-	15	15	109	10
0.20 - 0.50	-	-	-	333	411	-	302	308	292	29
0.50 - 1.00	-	1000	-	447	475	1000	355	399	521	44
1.00 or more	-	600	-	481	463	860	375	452	3187	259
others: all	-	549	-	264	242	536	207	246	4109	342
all households	**-**	**390**	**-**	**149**	**173**	**275**	**137**	**155**	**4337**	**361**
Rajasthan										
rural labour	319	478	184	109	148	73	132	140	2255	113
'other' with land possessed										
less than 0.20	-	-	-	2	-	-	37	22	122	9
0.20 - 0.50	117	411	-	265	132	253	257	242	916	49
0.50 - 1.00	527	418	-	222	221	108	210	228	1527	77
1.00 or more	592	247	222	186	155	217	157	193	5836	320
others: all	495	321	222	177	139	180	158	182	8401	455
all households	**473**	**370**	**208**	**160**	**142**	**160**	**151**	**171**	**10656**	**568**
Sikkim										
rural labour	-	867	-	-	114	-	156	150	30	34
'other' with land possessed										
less than 0.20	-	-	-	-	171	-	107	117	23	26
0.20 - 0.50	-	1000	-	-	661	-	461	498	90	111
0.50 - 1.00	-	1000	-	568	418	-	471	472	67	75
1.00 or more	-	1000	-	365	590	-	606	591	78	87
others: all	-	888	-	320	408	-	393	397	257	299
all households	**-**	**879**	**-**	**188**	**295**	**-**	**351**	**338**	**287**	**333**

Note: The category "others" stands for households other than rural households.

Table 27.1: Number (per 1000) of households reporting use of common water resources for irrigation by residence in villages with different ownership type of water resources and presence of local management of common water resources for irrigation

Category of households	hhs in villages with local management and water resources belonging to			hhs in villages without local management and water resources belonging to			none	all	no. of hhs reporting use of common water resources for irrigation	
	community only	govt. only	both	community only	govt. only	both			estd. (00)	sample
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Tamil Nadu										
rural labour	157	16	83	62	40	99	28	65	3668	223
'other' with land possessed										
less than 0.20	101	41	31	24	-	13	-	22	368	25
0.20 - 0.50	339	398	441	329	233	364	219	326	2141	125
0.50 - 1.00	299	414	484	285	148	501	135	306	2159	123
1.00 or more	270	492	575	426	122	480	110	312	2944	152
others: all	212	270	335	212	86	251	83	190	7612	425
all households	**179**	**128**	**195**	**128**	**56**	**166**	**51**	**117**	**11280**	**648**
Tripura										
rural labour	-	-	-	18	107	18	57	40	94	21
'other' with land possessed										
less than 0.20	-	-	-	14	61	-	49	32	50	9
0.20 - 0.50	-	-	606	39	-	475	173	173	123	25
0.50 - 1.00	-	-	1000	-	286	546	57	145	90	18
1.00 or more	-	-	500	50	212	405	82	136	51	7
others: all	-	-	568	22	125	243	82	96	313	59
all households	**-**	**-**	**328**	**21**	**117**	**124**	**72**	**73**	**407**	**80**
Uttar Pradesh										
rural labour	490	313	354	429	314	404	356	381	26763	1217
'other' with land possessed										
less than 0.20	187	-	420	280	129	209	191	209	7862	404
0.20 - 0.50	776	1000	699	761	780	724	644	692	21657	1042
0.50 - 1.00	722	1000	1000	707	695	884	546	618	24855	1077
1.00 or more	636	-	767	609	623	601	478	542	27368	1188
others: all	537	333	711	595	489	586	462	512	81741	3711
all households	**526**	**323**	**620**	**543**	**433**	**519**	**430**	**472**	**108504**	**4928**
West Bengal										
rural labour	171	554	238	169	265	147	130	153	7904	366
'other' with land possessed										
less than 0.20	95	276	96	83	198	61	81	92	1999	107
0.20 - 0.50	776	655	898	408	703	612	487	521	6919	340
0.50 - 1.00	437	443	1000	373	595	259	434	439	6103	266
1.00 or more	374	355	529	357	551	255	393	398	3978	178
others: all	386	450	506	278	479	268	307	323	18997	891
all households	**302**	**491**	**364**	**227**	**387**	**212**	**223**	**243**	**26901**	**1257**

Note: The category "others" stands for households other than rural households.

Table 27.1: Number (per 1000) of households reporting use of common water resources for irrigation by residence in villages with different ownership type of water resources and presence of local management of common water resources for irrigation

Category of households	households in villages with local management and water resources belonging to			hhs in villages without local management and water resources belonging to			none	all	no. of hhs reporting use of common water resources for irrigation	
	community only	govt. only	both	community only	govt. only	both			estd. (00)	sample
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
A. & N. Islands										
rural labour	-	-	254	-	-	-	14	24	6	5
'other' with land possessed										
less than 0.20	-	-	-	-	-	-	18	11	1	2
0.20 - 0.50	-	-	-	-	-	-	-	-	-	-
0.50 - 1.00	-	-	-	-	-	-	-	-	-	-
1.00 or more	-	-	333	-	-	-	-	19	1	1
others: all	-	-	298	-	-	-	10	13	3	3
all households	-	-	**265**	-	-	-	**12**	**19**	**8**	**8**
India										
rural labour	148	183	158	145	127	135	128	137	78525	4123
'other' with land possessed										
less than 0.20	70	76	119	85	56	53	85	79	16803	1082
0.20 - 0.50	564	538	522	430	427	393	467	457	51356	3078
0.50 - 1.00	485	492	620	422	436	472	405	426	60612	3204
1.00 or more	456	420	517	344	318	374	291	326	99874	5610
others: all	347	320	386	307	269	300	285	296	228645	12974
all households	**261**	**253**	**269**	**239**	**206**	**224**	**220**	**228**	**307170**	**17097**

Note: The category "others" stands for households other than rural households.

खण्ड III - हिन्दी

सर्वेक्षण

राष्ट्रीय प्रतिदर्श
सर्वेक्षण
संगठन की
पत्रिका

भाग XXIV, संख्या-1
जुलाई-सितम्बर, 2000 अंक संख्या 84

सत्यमेव जयते

सांख्यिकी एवं कार्यक्रम कार्यान्वयन मंत्रालय
भारत सरकार

सम्पादकीय सलाहकार बोर्ड

1. प्रो. वी. विसारिया
2. प्रो. बी. एस. मिन्हास
3. प्रो. के. एल. कृष्ण
4. प्रो. एस. डी. तेंदुलकर
5. डा. एन. एस. शास्त्री
6. डा. वास्कर साहा
7. श्री. एम. नीलकंठन
8. डा. जी. रवीन्द्रन
9. श्री. मुकुट सिंह

मूल्य (एक प्रति)
मूल्य : अन्तर्देशीय 200.00 रूपये
वार्षिक अंशदान :
मूल्य : अन्तर्देशीय 800.00 रुपये

सर्वेक्षण
भाग XXIV, संख्या-1
अंक संख्या 84

जुलाई-सितम्बर, 2000

विषय — सूची

1. भारत में कृषि कार्य-प्रणालियाँ : रा.प्र.सर्वे. का 54वाँ दौर (जनवरी, 1998—जून, 1998) हि. 1-20

2. भारत में सामान्य सम्पत्ति के स्त्रोत : रा.प्र.सर्वे. का 54वाँ दौर (जनवरी, 1998-जून, 1998) हि. 21-54

भारत में कृषि कार्य-प्रणालियां :

रा. प्र. सर्वे. का 54 वां दौर (जनवरी, 1998-जून, 1998)

सर्वेक्षण निष्कर्ष

1.1.1 खेती बाड़ी संबंधी मौजूदा सर्वेक्षण का उद्देश्य देश के विभिन्न भागों में भिन्न-भिन्न जोत स्वामित्व के कृषकों द्वारा उन्नत कृषि तकनीक अपनाने के स्तर का मूल्यांकन करना है। चौथी योजना के दौरान उच्च फसल की पैदावार की युक्ति तथा अल्पावधि की किस्म के विदेशी बीज अपनाने में भारतीय कृषि जगत को नवीनतम तकनीकी परिवर्तन के करीब पहुँचा दिया। इस अंक में ''उन्नत कृषि तकनीक'' शब्द फसलोत्पादन में खेती-बाड़ी करने में सम्मिलित सभी प्रचलनों से संबंधित है जो उच्च खेती बाड़ी किस्म से तथा सकर बीजों हेतु अपेक्षित है।

1.1.2 उन्नत तकनीक के दो विशिष्ट घटक हैं। प्रथम उत्कृष्ट बीजों के प्रयोग पर आधारित उन्नत ''बीज-उर्वरक-जल'' तकनीक जो उर्वरक की पर्याप्त खुराकों में अनुक्रियाशील है तथा जल की एक सप्लाई अपेक्षित है, यह भूमि उत्पादकता में वृद्धि करने कृषि उत्पादन में प्रत्यक्ष प्रभाव डालती है। दूसरा घटक ''यांत्रिक तकनीकी'' अर्थात शीर्ष गहन फार्म मशीनरी जैसे कि ट्रैक्टर, पावर-थ्रीलर, हारवेस्टर जैसे कि जुताई, खरपतवार की निलाई गुड़ाई, तथा कटाई ने प्रचालन कार्य को जल्दी निपटाने से लागत में महत्वपूर्ण कमी के साथ-साथ प्रचालन को शीघ्रता से निभाने में महत्वपूर्ण भूमिका निभाती है। यह अंक एक ओर तो ''बीज उर्वरक-जल'' तकनीक संबंधी उन्नति की गति और प्रगति को तथा दूसरी ओर कृषि में यांत्रिकीकरण की समीक्षा को प्रस्तुत करने का प्रयास करता है।

1.1.3 खेती-बाड़ी करने संबंधी जांच के प्रमुख निष्कर्षों को संक्षेप में इस अंक में दिया गया है। यह क्षेत्र-फसल कृषक परिवारों के जोत स्वामित्व के आकार संबंधी संक्षिप्त विचार-विमर्श से प्रारंभ होता है अर्थात वे जो क्षेत्र फसलों को बढ़ाने में लगे हैं। इसके अनुसरण में फसलों के विभिन्न समूहों वाले क्षेत्रों के संदर्भ में फसल सम्मिश्रण की पुनरीक्षा की है। तब ''बीज उर्वरक जल'' तकनीकी के फैलाव पर कुछ विस्तार से विचार-विमर्श किया। अंत में, यांत्रिकृत कृषि की सीमा दर्शाने वाले सर्वेक्षण परिणामों पर ट्रैक्टर, पावर थ्रीलर तथा कटाई करने वाला यंत्र के उपयोग के संदर्भ में विचार विमर्श किया गया।

1.2 क्षेत्र-फसल कृषि :

1.2.1 खेती-बाड़ी करने संबंधी मौजूदा पूछताछ क्षेत्र फसल कृषि के अध्ययन तक सीमित है अत: इसमें बागान उद्यान लगाने आदि के उत्तरवर्ती कार्यों को इस अध्ययन की परिधि से बाहर रखा गया है। सर्वेक्षण छ: मास की एक अवधि के दौरान अर्थात जनवरी से जून, 1998 में आयोजित किया गया

था जब कि अपेक्षित आँकड़े कृषि वर्ष 1997-98 के दौरान बोई गई फसलों के संबंध में संग्रहित किए गए थे। अत: प्रतिदर्श के एक वृहद भाग का सर्वेक्षण संदर्भित कृषि वर्ष में रबी की बुवाई पूरी होने से पूर्व किया गया था। इन सभी मामलों में रबी की बुवाई संबंधी तारीख आगामी रबी मौसम हेतु बनाई गई योजना की खेती पर आधारित है जैसा कि सर्वेक्षण की तारीख को सूचित किया गया है तथा उनको पिछले रबी मौसम के दौरान हुए अनुभव।

1.2.2 हाल फिलहाल में, किसानों में विशेष तौर पर उन्होंने जिनके पास पर्याप्त भूमि है ने एक कृषि वर्ष में विभिन्न फसलों की संख्या बढ़ाने की प्रवृत्ति में वृद्धि देखी गई है। एक कृषि वर्ष के दौरान ऐसे किसानों द्वारा सभी बढ़ाई गई फसलों, संबंधी पृथक-पृथक आंकड़े संग्रहीत करने के लिए पर्याप्त समय और संसाधनों की आवश्यकता है जो समग्र रूप से खेती-बाड़ी में समर्पित सर्वेक्षण में ही लग सके। मौजूदा पूछताछ रा.प्र.सर्वे. 54 वां दौर में आयोजित सर्वेक्षण का एक छोटा सा घटक ही है यह निर्णय लिया गया था कि फसल स्तर के ब्यारों का संग्रहण कृषि वर्ष के दौरान एक प्रतिदर्श परिवार द्वारा बोयी गई सभी क्षेत्र फसलों में से केवल पांच अति महत्वपूर्ण फसलों तक सीमित रखा जाए। जब एक प्रतिदर्श परिवार पांच क्षेत्र फसलों से अधिक की खेती करते हुए पाया जाता है तो क्षेत्र कर्मचारियों से अपेक्षा की गई थी कि वे उत्पादों के मूल्यों के आधार पर केवल पांच प्रमुख फसलों का निर्धारण करें, अत: इस अंक में प्रस्तुत क्षेत्र फसलों की कृषि संबंधी सभी अनुमान के आंकड़े प्रति प्रतिदर्श परिवार हेतु लगभग दर्ज पांच क्षेत्र फसलों पर आधारित हैं। इन आंकड़ों पर आधारित ये आंकड़े क्षेत्र फसलों के अनुमान हैं, इन्हें ''पांच प्रमुख फसलों के अंतर्गत क्षेत्र'' कहा गया है। एक परिवार के द्वारा कृषि की गई क्षेत्र फसलों के अतिरिक्त, कुल निवल बोये गए क्षेत्र तथा कृषि वर्ष के दौरान एक से अधिक बार बोयी गई फसलों संबंधी आंकड़े भी प्रत्येक परिवार से संग्रहीत किए गए थे। इस अंक हेतु-कृषि वर्ष के दौरान थोड़ा सा निवल बोया गया क्षेत्र सूचित करने वाले परिवारों को खेतिहर परिवारों के रूप में माना गया है। अत: कृषक परिवार श्रेणी में उन परिवारों को भी शामिल किया जाता है। जिन्होंने अपना कुछ क्षेत्र फलोधान या बागान का सूचित किया है किन्तु उनमें से कोई भी मौसमी फसलों

सारणी टी 1 : कृषक तथा क्षेत्र-फसल कृषक परिवार तथा बोया गया औसत क्षेत्र

भारत

	मद	अनुमान
1.	कृषक परिवारों की अनुमानित सं. (00)	825,058
2.	क्षेत्र फसल कृषक परिवारों की अनुमानित सं. (00)	821,388
3.	सभी परिवारों में से कृषक परिवारों का औसत	61.2
4.	सभी परिवारों में से क्षेत्र फसल कृषक परिवारों का औसत	60.9
5.	प्रति क्षेत्र फसल कृषक परिवार औसत निवल बोया गया क्षेत्र (हे॰)	1.25
6.	प्रति क्षेत्र फसल कृषक परिवार का एक बार से अधिक बोया गया औसत क्षेत्र (हे॰)	0.57
7.	प्रति क्षेत्र फसल कृषक परिवार सकल फसल क्षेत्र (हे॰)	1.82
8.	प्रति क्षेत्र फसल कृषक परिवार 5 प्रमुख फसलों के अंतर्गत क्षेत्र	1.75
9.	सकल फसल क्षेत्र में 5 प्रमुख फसलों के अंतर्गत प्रतिशत क्षेत्र	96%

की खेती में नहीं लगा है। क्योंकि कृषक परिवारों से पृथक एक क्षेत्र फसल कृषक परिवार की परिभाषा कृषि वर्ष के दौरान कम से कम एक फसल की खेती करने वाले के रूप में की गई है

1.2.3 निवल बोया क्षेत्र तथा क्षेत्र फसल के अंतर्गत सर्वेक्षण में दर्ज क्षेत्र से संबंधित राष्ट्रीय स्तर अनुमान सारणी टी 1 में दी गई हैं। ऐसा प्रतीत होता है कि वर्ष 1997-98 के दौरान लगभग सभी कृषक परिवारों ने कुछ क्षेत्र फसलों में वृद्धि की है। कृषक परिवारों का प्रतिशत क्षेत्र फसल कृषक परिवारों का प्रतिशत (60. 9 प्रतिशत) की तुलना में आंशिक तौर पर (61.2 प्रतिशत) कुछ उच्चतर है।

1.2.4 मौजूदा सर्वेक्षण से अनुमानित कृषक परिवारों का प्रतिशत, तथापि रा.प्र.सर्वे 48वें (1991-92) दौर के भूमि तथा पशुधन परिवार सर्वेक्षण पर आधारित प्रचालन परिवारों (80 प्रतिशत) के अनुमानित प्रतिशत के अनुमानित प्रतिशत की तुलना में कुछ कमतर प्रतीत होते हैं। रा.प्र.सर्वे सं के भूमि तथा पशुधन जोत सर्वेक्षणों में ''प्रचालन परिवार'' श्रेणी में वे सभी परिवार सम्मिलित हैं जिन्होंने संदर्भ कृषि वर्ष के दौरान किसी भी प्रकार का कृषि उत्पादन किया है। इसमें जिन्होंने किसी भी प्रकार फसल वृद्धि के अतिरिक्त केवल अन्य कृषि कार्यकलापों यथा पशु-पालन, मत्स्य-पालन आदि में लगे परिवार भी शामिल हैं।

सारणी टी-2 में दिए गए भूमि तथा पशुधत जोत सर्वेक्षण 1991-92 के अनुमानों से प्रतीत होता है कि प्रचालन जोतों के लगभग तीन-चौथाई में क्षेत्र-फसल में वास क्षेत्र के बाहर वृद्धि हुई है। चूंकि 80 प्रतिशत परिवार प्रचालन परिवार थे वास के बाहर क्षेत्र फसल बढ़ाने वाले परिवारों के प्रतिशत की गणना लगभग 60 प्रतिशत मौजूदा सर्वेक्षण में अनुमानित कृषक परिवारों के प्रतिशत के काफी निकटस्थ आंकड़ा है। अत: ऐसा प्रतीत होता है जैसे कि मौजूदा सर्वेक्षण में किचन गार्डन में मौसमी या क्षेत्र फसलों या वास के किसी अन्य भाग में फसल उगाने पर क्षेत्र फसलों की खेती-बाड़ी को दर्ज करते समय विचार नहीं किया गया। क्षेत्र कर्मचारियों के अनुदेश मेनुअल में इस संबंध में कोई स्पष्ट मार्ग निर्देश नहीं थे।

सारणी टी 2 : विभिन्न प्रकार के कृषि उत्पादन सूचित करने वाले प्रचालन जोतों का प्रतिशत वितरण

कृषि कार्यकलाप	जोतो का प्रतिशत
केवल बांस में :	
मुर्गी पालन या पशुधन केवल	7.6
किचन गार्डन केवल	1.6
कोई अन्य सम्मिलन	13.8
बांस में कुल	24.1
बांस के बाहर :	
क्षेत्र फसल उगाना	75.9
कुल	100.0

1.2.5 सारणी टी. 1 दर्शाती है कि, एक औसतन, एक क्षेत्र फसल कृषक परिवार के निवल बोया क्षेत्र 1.25 हे०, सकल फसल क्षेत्र 1.82 हे० तथा 5 प्रमुख फसलों के अंतर्गत 1.75 हे० क्षेत्र था। विशेष तौर पर यह देखा गया है कि 5 प्रमुख फसलों के अंतर्गत क्षेत्र का भाग (आगे से इसे ए एफ एम सी कहा है) सकल फसल क्षेत्र में काफी उच्च 96 प्रतिशत है। मौजूदा सर्वेक्षण में दर्ज पांच अति महत्वपूर्ण फसलों के अतिरिक्त अन्य फसलों के अंतर्गत वाले क्षेत्र सकल फसल क्षेत्र में परिवारों के फलोद्यान तथा बागान के अंतर्गत आने वाले क्षेत्र भी शामिल हैं। अत: यह प्रतीत होता है कि एक प्रतिदर्श परिवार के लिए केवल पांच फसलों के ब्यौरे दर्ज करने की प्रतिबद्धता से अल्प व्याप्ति ही हो पाएगी, इससे क्षेत्र फसलों के अंतर्गत कुल फसल क्षेत्र का केवल एक लघु भाग ही आ पाएगा।

1.3 क्षेत्र फसल कृषक परिवारों के भूमि के जोत स्वामित्व के अनुसार कृषि क्षेत्र का वितरण:

1.3.1 भारतीय कृषि क्षेत्र की लक्षण संबंधी विशेषता भूमि तथा सामग्री परिसम्पतियों के वितरण में उच्च असमानता है। भूमि के असमान वितरण की कृषि मंत्रालय द्वारा आयोजित के साथ-साथ रा.प्र.सर्वे. सं. की भूमि तथा पशुधन जोत का दसवार्षिक सर्वेक्षण के परिणाम से प्राप्त अवस्थिति प्रकृति है। इस सर्वेक्षण के परिणाम भी कृषि संबंधी संरचना की विशेषता दर्शाते हैं।

1.3.2 विभिन्न राज्यों में कृषि को परिष्कृत तकनीक अपनाने में फार्म के आकार की भूमिका को निर्धारण की जांच पड़ताल के क्रम में भारत में कृषि गणना में अपनाई गई विधि के साथ शामिल पांच बृहद् आकार समूह है। पांच आकार समूह निम्न हैं।

श्रेणी	:	भूमि का स्वामित्व
उपान्तिक	:	1.01 हे० से कम
लघु	:	1.01–2.00 हे०
अर्ध मध्यम	:	2.01–4.00 हे०
मध्यम	:	4.01–10.00 हे०
बड़े	:	10.00 हे० से बड़े

इन्हें आगे से आकार समूहों के लिए जोत स्वामित्व की श्रेणियां कहा जाएगा।

1.3.3 सारणी टी 3 क्षेत्र फसल कृषक परिवारों का तथा स्वामित्व जोत के आकार वर्ग के अनुसार पांच प्रमुख फसलों के अंतर्गत क्षेत्र का प्रतिशत वितरण दर्शाती है। सारणी से भारत में क्षेत्र फसल कृषक जोतों में कृषि वर्ष 1997–98 के दौरान सकल फसल क्षेत्र का एक लगभग अनुमान से पांच प्रमुख फसलों के अंतर्गत क्षेत्र का अत्याधिक असंतुलित वितरण का स्पष्ट पता चलता है। वास्तव में, यह असमानता सारणी में दर्शाई गई असमानता की तुलना में बहुत अधिक प्रखर है। पूर्व उल्लिखित कारणों से कृषि संबंधी आंकड़ों का संग्रहण प्रतिदर्श में एक परिवार द्वारा सूचित पांच अति महत्वपूर्ण फसलों में ही सिमटा हुआ था। अत: पांच प्रमुख फसलों का क्षेत्र परिवारों द्वारा क्षेत्र फसल कृषि के अंतर्गत सकल फलित क्षेत्र से आवश्यक रूप से कम होगा, विशेषतया वहां जहां क्षेत्र फसल कृषि की संख्या पांच से अधिक हो जाए।

1.3.4 इन सीमाबद्धताओं के बावजूद टी–4 सारणी में दिए गए अनुमानों का कृषि क्षेत्र में असमानता की मात्रा दर्शाते है। यह देखा गया है कि जबकि निचले क्षेत्र फसल कृषक परिवारों के लगभग 40 प्रतिशत ने पांच प्रमुख फसलों के अंतर्गत कुल क्षेत्र के लगभग केवल 10 प्रतिशत पर खेती की, क्षेत्र फसल कृषक परिवारों के उपरी 7 प्रतिशत का भाग 31 प्रतिशत से अधिक था।

1.3.5 भारतीय कृषि का अन्य महत्वपूर्ण विशेषता उपांत किसानों की अधिक संख्या का सारणी टी 3 से पता चलता है। यह देखा गया है कि क्षेत्र फसल कृषक परिवारों का लगभग 62 प्रतिशत एक हेक्टेयर या इससे कम भूमि वाले उपांत श्रेणी से संबंधित हैं। ''लघु'' श्रेणी में क्षेत्र फसल कृषक परिवारों सहित ये कुल क्षेत्र फसल कृषकों के चार-पांच से अधिक परिवार सम्मिलित हैं तथा उनका पांच प्रमुख फसलों के अंतर्गत क्षेत्र में संयुक्त भाग 45 प्रतिशत के लगभग है। दूसरी और ''बृहद्'' श्रेणी से संबंधित क्षेत्र फसल कृषक परिवार 1 प्रतिशत से कम है किन्तु उनका क्षेत्र में भाग 8 प्रतिशत से भी अधिक था।

1.4 फसल संघटक

1.4.1 छोटे और उपांत किसानों की आर्थिक स्थिति में सुधार लाने हेतु आठवीं योजना में कृषि विकास की नीति के एक महत्वपूर्ण घटक के रूप में फसल विविधीकरण को अपनाया गया। यद्यपि प्रमुख फसलों के अंतर्गत क्षेत्र संबंधी प्राथमिक जानकारी कृषि मंत्रालय द्वारा नियमित रूप से प्रकाशित की

सारणी टी 3 : स्वामित्व जोत के आकार वर्ग के अनुसार क्षेत्रफसल कृषक परिवारों तथा पांच प्रमुख फसलों के अंतर्गत क्षेत्र का प्रतिशत वितरण

भारत

आकार वर्ग (हे॰)	प्रतिशत वितरण		प्रतिशत का संचयी वितरण	
	क्षेत्रफसल कृषक परिवार	पांच प्रमुख फसलों के अंतर्गत क्षेत्र	क्षेत्रफसल कृषक परिवार	पांच प्रमुख फसलों के अंतर्गत क्षेत्र
शून्य (<0.01)	1.3	0.8	1.3	0.8
0.01-0.20	15.0	1.9	16.3	2.7
0.21-0.50	23.3	7.2	39.6	9.9
0.51-1.00	22.0	13.4	61.6	23.3
1.01-2.00	19.8	21.6	81.4	44.9
2.01-2.00	11.9	23.9	93.3	68.8
4.01-10.00	5.8	22.9	99.1	91.7
10.01और अधिक	0.9	8.3	100.0	100.0
सभी आकार	100.0	100.0		

गई है, कृषि वर्ग के दौरान खेतों के आकार के अनुसार या कृषकों द्वारा बढ़ाई गई फसलों की संख्या संबंधी फसल विविधीकरण संबंधी कोई भी आंकड़े शायद ही हों। मौजूदा जांच मौजूदा कृषि व्यवहार के एक भाग के रूप में फसल विविधीकरण के स्तर के मूल्यांकन हेतु अनिवार्य कुछ मूल आंकड़े मुहैया कराती हैं। तथापि मौजूदा जांच कृषि वर्ष 1997–98 के दौरान किसान परिवारों द्वारा उगाई गई क्षेत्र फसलों संबंधी विस्तृत जानकारी के संग्रहण के लिए तैयार की गई। एक किसान द्वारा सूचित फसलों के मद प्रयोजनार्थ बारह बृहद फसल समूह के एक वर्गीकरण में प्रयुक्त कोड़ दर्ज किए गए थे, अर्थात् 1. धान 2. गेहूं 3. अन्य अनाज 4. दालें 5. तिलहन 6. मिश्रित फसलें 7. गन्ना 8. सब्जियां 9. चारा 10. फल और मेवे 11. अन्य नगदी फसल 12. अन्य।

सारणी टी 4 प्रत्येक राज्य हेतु जोत की श्रेणी के अनुसार पृथक पृथक प्रतिदर्श आकार दर्शाती है। 25 परिवारों से कम परिवार वाले एक प्रतिदर्श आधारित एक राज्य हेतु जोत की किसी श्रेणी हेतु अनुमान की कृषि व्यवहार से संबंधित अनुवर्ती चर्चा से अलग रखा गया है।

1.4.2 कृषि वर्ष के विभिन्न मौसमों में यदि एक फसल एक बार से अधिक बार उगाई गई थी तो प्रत्येक मौसम के दौरान फसल को एक पृथक फसल माना गया था, जबकि एक विशेष मौसम के दौरान उगाई गई वही फसल चाहे वह एक से अधिक भूखंडों में ही एक फसल के रूप में मानी गई थी। हालांकि एक प्रतिदर्श परिवार द्वारा उगाई गई फसलें पांच प्रमुख फसलों के अधिकतम तक सीमित था तथापि उन पर आधारित अनुमान में सकल फसल क्षेत्र का लगभग 93 प्रतिशत शामिल है ये विभिन्न आकारों के खेतों में फसल विविधीकरण का एक उचित दृष्टि प्रस्तुत करती है। चूंकि रबी के धान को पैदा करना स्वंयेव एक विविधीकरण का चिन्ह है, खरीफ और रबी के धान की फसल को एक पृथक फसल के रूप में रखा गया है।

सारणी टी 4 : स्वामित्व जोत की आकार श्रेणी के अनुसार प्रतिपर्श परिवारों का वितरण

राज्य	स्वामित्व जोत की आकार श्रेणी					
	उपान्तिक	लघु	अर्ध मध्यम	मध्यम	बृहद	सभी
आन्ध्र प्रदेश	1461	499	347	164	25	2496
अरुणाचल प्रदेश	293	125	90	86	8	602
असम	1405	582	205	42	0	2234
बिहार	3422	781	331	111	14	4659
गुजरात	742	338	282	200	30	1592
हरियाणा	207	138	116	77	13	551
हिमाचल प्रदेश	1284	241	99	22	7	1653
जम्मू और कश्मीर	1192	242	84	17	0	1535
कर्नाटक	911	522	308	184	28	1953
केरल	2025	116	29	10	2	2182
मध्य प्रदेश	1473	1108	954	434	62	4031
महाराष्ट्र	1153	739	527	287	40	2746
मणिपुर	567	140	34	6	0	747
मेघालय	562	193	136	29	0	920
मिजोरम	427	54	16	3	0	500
नागालैंड	151	177	356	136	8	828
उड़ीसा	1556	378	146	32	3	2115
पंजाब	273	254	190	133	33	883
राजस्थान	989	583	539	451	124	2686
सिक्किम	539	92	42	4	1	678
तमिलनाडु	1385	321	136	42	3	1887
त्रिपुरा	439	40	16	2	0	497
उत्तर प्रदेश	5207	1205	606	226	19	7263
पश्चिम बंगाल	2467	302	97	9	1	2876
भारत	30354	9215	5712	2716	422	48419

सारणी टी 5 : फसल–क्षेत्रफसल कृषक परिवारों तथा पांच प्रमुख फसलों के अंतर्गत क्षेत्र का ग्रुपवार प्रतिशत

भारत

फसल समूह	फसल–ग्रुपवार प्रतिशत	
	क्षेत्रफसल कृषक परिवार	पांच प्रमुख फसलों के अंतर्गत क्षेत्र कृषि
धान : खरीफ	57	25
: रबी	7	3
: कुल	-	28
गेहूँ	44	21
अन्य अनाज	34	16
कुल अनाज	-	64
दालें	25	8
कुल खद्यान्न	-	72
तिलहन	18	9
मिश्रित फसलें	7	4
गन्ना	6	2
सब्जियां	16	2
चारा	12	2
फल और मेवे	5	1
अन्य नकवी फसलें	12	7
अन्य	4	1
सभी फसलें	-	**100**

1.4.3 प्रतिदर्श परिवारों द्वारा सूचित पांच प्रमुख फसलों संबंधी आकड़ों पर आधारित फसल समूह तथा क्षेत्रफसल कृषक परिवारों की फसल समूह में एक फसल समूह की खेती करने वाले परिवारों की संख्या के अनुसार पांच प्रमुख फसलों के अंतर्गत क्षेत्र का प्रतिशत वितरण सारणी टी 5 में दिया गया है।

यह पाया गया है कि :

(1) पांच प्रमुख फसलों के अंतर्गत क्षेत्र का 72 प्रतिशत अनाज फसल–समूहों 64% सहित अकेला खाद्यान्नों के अंतर्गत था।

(2) खरीफ धान तथा गेहूँ पांच प्रमुख फसलों के अंतर्गत क्षेत्र के क्रमश: 25 प्रतिशत तथा 21 प्रतिशत में बोये गए थे जब कि अन्य अनाज 16 प्रतिशत में शामिल थे। तथापि रबी धान का प्रतिशत भाग (3 प्रतिशत) कम था।

(3) अन्य फसलों में पांच प्रमुख फसलों के अंतर्गत क्षेत्र में दालें और तिलहन क्रमश: 8 प्रतिशत और 9 प्रतिशत शामिल हैं।

(4) खरीफ धान, गेहूँ तथा ''अन्य अनाज'' की खेती करने वाले क्षेत्र फसल कृषक परिवारों के क्रमश: लगभग 57 प्रतिशत, 44 प्रतिशत तथा 34 प्रतिशत दर्शाते है कि क्षेत्र फसल कृषक परिवारों का एक काफी बड़ा प्रतिशत अनाज के उत्पादन में लगा हुआ है। अन्य फसल समूहों हेतु क्षेत्र फसल कृषक परिवारों का लगभग 25 प्रतिशत दालों की खेती, 18 प्रतिशत तिलहन की खेती बाड़ी तथा 16 प्रतिशत सब्जियों की खेती–बाड़ी में लगा है।

1.4.4 सारणी टी 6 स्वामित्व जोत के प्रत्येक आकार वर्ग हेतु पृथक पृथक समूह के अनुसार पांच प्रमुख फसलों के अंतर्गत क्षेत्र का प्रतिशत वितरण दर्शाती है। सारणी से भिन्न–भिन्न आकारों के खेतों में बोयी गई फसलों की निम्नलिखित विशेषताओं का पता चलता है :

1. सभी आकार वर्गों में, पांच प्रमुख फसलों के अंतर्गत क्षेत्र में खाद्यान्नों का भाग अधिकतम (60 प्रतिशत या इससे अधिक) रहा।

2. खाद्यान्नों के पांच प्रमुख फसलों के अंतर्गत आकार–वर्ग उच्चतर और प्रतिशत निम्नतर था ''वास्तव में भूमिहीन''

सारणी टी 6 : फसल समूह के अनुसार पांच प्रमुख फसलों के अंतर्गत क्षेत्र का प्रतिशत वितरण

भारत

आकार वर्ग (हे०)	धान		गेहूँ	अन्य अनाज	दालें	खाद्यान्न	तिलहन	मिश्रित फसल	गन्ना	सब्जियां	चारा	फल और मेवे	अन्य नकदी फसल	अन्य	सभी
	खरीफ	रबी													
शून्य (<0.01)	41	4	13	14	6	79	6	2	1	7	2	1	2	1	100
0.01-0.20	35	4	24	9	4	77	3	2	1	5	2	3	7	1	100
0.21-0.50	37	5	23	13	5	82	4	2	1	3	2	1	4	1	100
0.51-1.00	35	4	21	13	6	79	5	2	2	3	2	1	4	1	100
1.01-2.00	29	3	21	15	7	75	8	3	2	2	2	1	5	1	100
2.01-4.00	24	2	21	17	8	72	10	3	3	2	2	1	6	1	100
4.01-10.00	16	2	20	19	10	66	12	5	2	1	3	1	9	2	100
10.01 और इससे अधिक	12	0	19	20	11	62	15	4	1	1	3	1	12	1	100
सभी श्रेणियां	25	3	21	16	8	72	9	4	2	2	2	1	7	1	100

सारणी टी 7 : प्रत्येक आकार–वर्ग हेतु विभिन्न फसल समूहों में फसलों के खेती–बाड़ी सूचित करने वाले क्षेत्र फसल कृषक परिवारों का प्रतिशत

आकार वर्ग (हे०)	धान खरीफ	धान रबी	गेहूँ	अन्य अनाज	दालें	तिलहन	मिश्रित फसल	गन्ना	सब्जियां	चारा	फल और मेवे	अन्य नकदी फसल	अन्य
शून्य (<0.01)	69	8	25	26	13	7	6	2	30	4	5	4	4
0.01-0.20	54	7	36	16	8	6	4	1	18	3	13	10	5
0.21-0.50	65	9	44	28	19	12	4	4	14	7	4	7	3
0.51-1.00	63	9	44	32	25	16	6	7	17	11	4	10	4
1.01-2.00	56	7	46	40	31	23	8	8	16	15	3	14	4
2.01-4.00	48	6	49	48	37	31	10	9	15	19	3	17	5
4.01-10.00	35	4	50	56	43	38	14	9	10	24	3	26	6
10.01 से अधिक	29	2	49	68	48	47	13	6	12	32	6	35	8
सभी आकार	57	7	44	34	25	18	7	6	16	12	5	12	4

वर्ग 0.01 हे॰ या इससे कम को छोड़कर सामान्यतया ये सच घटित हुआ है। इस संबंध में खरीफ के धान और गेहूँ ने निर्धारित करने की भूमिका निभाई है, विशेष तौर पर खाद्यान्नों के अंतर्गत पांच प्रमुख फसलों के अंतर्गत क्षेत्र में उनके प्रमुख भाग हेतु।

3. खाद्यान्न, दालों हेतु पाए गए पैटर्न के विपरीत उच्चतर आकार वर्गों में क्षेत्र फसल कृषक परिवारों के बृद्धतर प्रतिशत ने खेती की। ''अन्य अनाजों'' तथा तिलहन हेतु भी सारणी में वही पैटर्न पाया गया है। तथापि, इन सभी फसल समूहों हेतु ''वास्तव में भूमिहीन वर्ग में पांच प्रमुख फसलों के अंतर्गत क्षेत्र को प्रतिशत में इन पैटर्नों की पुष्टि नहीं होती है।

1.4.5 जोत के विभिन्न आकार वर्गों में खेती करना:

विभिन्न फसल समूहों में प्रत्येक आकार वर्ग की जोतों हेतु में फसलों की खेती करने वाले क्षेत्र फसल कृषक प्रतिशत सारणी टी 7 में दर्शाया गया है। सारणी की निम्नलिखित विशेषताएं नोट करने लायक हैं।

1. जोत के आकार वर्ग पर ध्यान दिए बगैर क्षेत्र फसल कृषक परिवारों के एक वृहद प्रतिशत ने अनाज की फसलों की खेती की।

2. कुछ मामलों में ''शून्य'' वर्ग को छोड़कर क्षेत्र फसल कृषक परिवारों ने गेहूँ ''अन्य अनाज'' दालों, तिलहन, मिश्रित फसल, गन्ना, चारा, अन्य नकदी फसल तथा अन्य फसलों की खेती की, जोत का आकार जितना उच्चतर था उतना उच्चतर प्रतिशत था। तथापि खरीफ धान तथा रबी धान दोनों के लिए पैटर्न विपरीत था अर्थात उच्चतर आकार–वर्ग में धान की खेती करने वाले क्षेत्र फसल कृषक परिवारों का प्रतिशत निम्नतर था।

3. आकार वर्ग तथा सब्जियों तथा फलों और मेवे उगाने वाले क्षेत्र फसल कृषक परिवारों के प्रतिशत के मध्य कोई स्पष्ट सहयोग का कोई सशक्त प्रमाण नहीं था।

1.4.6 खेती की गई फसलों की औसत संख्या :

सारणी टी 8 कृषि वर्ष 1997–98 के दौरान जोत के प्रत्येक आकार वर्ग हेतु एक क्षेत्र फसल कृषक परिवारों द्वारा खेती किए गए फसल समूहों की औसत संख्या (एसीजी) दर्शाती है। फसल समूहों की औसत संख्या के अनुमान ''शून्य'' श्रेणी को छोड़कर जोतों के आकारों में बढ़ाव के साथ एक वृद्धि दर्शाती है।

सारणी टी 8 : एक क्षेत्रफसल कृषक परिवार द्वारा बोयी गई फसलों की औसत संख्या (एसीजी)

भारत

आकार वर्ग (हे॰ में)	एसीजी
शून्य (<0.01)	2.03
0.01-0.20	1.80
0.21-0.50	2.20
0.51-1.00	2.48
1.01-2.00	2.70
2.01-4.00	2.97
4.01-10.00	3.19
10.01 और इससे अधिक	3.53
सभी आकार	2.12

सारणी टी 9 बीजों के प्रकार के अनुसार फसल समूह के उन्नत बीजों के अंतर्गत क्षेत्र का प्रतिशत वितरण

भारत

फसल समूह	बीजों के प्रकार के अनुसार उन्नत बीजों के अंतर्गत क्षेत्र का प्रतिशत वितरण					उन्नत बीजों के अंतर्गत क्षेत्र का प्रतिशत	पांच प्रमुख फसलों के अंतर्गत क्षेत्र में फसल का प्रतिशत भाग
	प्रमाणित	अप्रमाणित	घर में बोए गए	अन्य	सभी प्रकार		
धान (खरीफ)	39	15	43	4	100	51	25
धान (रबी)	39	16	39	6	100	66	3
गेहूँ	46	13	38	2	100	63	21
अन्य अनाज	61	9	28	1	100	64	16
दालें	47	11	41	2	100	47	8
तिलहन	59	12	27	2	100	59	9
विविध फसल	72	5	22	1	100	51	4
गन्ना	44	14	38	4	100	61	2
सब्जियां	63	20	26	4	100	53	2
चारा	35	17	43	5	100	54	2
फल और मेवे	49	20	24	8	100	48	1
अन्य नकदी फसल	76	12	11	2	100	82	7
अन्य	47	29	19	5	100	45	1
सभी फसल	52	13	33	2	100	59	100

1.5 उन्नत बीजों का प्रयोग:

1.5.1 वर्ष 1960 में खास तौर पर चावल और गेहूँ, खाद्यान्नों के लघु अवधि एच वाई वी समाविष्ट करने से प्रारंभ भारतीय कृषि में प्रौद्योगिकी पहुँची जो एक दशक से अधिक तक देश के कुछ क्षेत्रों तक सीमित थी। इसके अतिरिक्त गेहूँ चावल और कुछ उन्नत किस्म की शंकर मक्का के अलावा-1980 तक अन्य फसलों के लिए शायद ही बीजों की कोई उन्नत किस्म थी। तब से फसलों की काफी बड़ी तादाद के साथ-साथ देश के एक बृहद् भाग को शामिल करते हुए उन्नत किस्म की बीजों का प्रयोग उचित रूप से तीव्र गति से प्रगति कर रहा है। परन्तु अभी तक उन्नत बीजों के प्रसार संबंधी उपलब्ध आंकड़े एच वाई वी चावल, बाजरा, मकई, गेहूँ और कपास तक सीमित है। विभिन्न फसलों के लिए उन्नत बीजों का प्रयोग किस सीमा तक हुआ तथा किसानों के किस वर्ग ने प्रयोग किया संबंधी कोई आंकड़े नहीं है। मौजूदा सर्वेक्षण भिन्न-भिन्न जोत आकारों के कृषकों के अनुसार उन्नत बीजों की प्रयोग की सीमा तथा उनके प्रभावों संबंधी कुछ मूल आंकड़े मुहैया करता है।

1.5.2 एक प्रतिदर्श परिवार द्वारा बोयी गई प्रत्येक क्षेत्र फसल हेतु-सर्वेक्षण अन्वेषक पूछताछ करेगा कि क्या बीज उन्नत किस्म के प्रयुक्त किए थे और यदि ऐसा है तो क्या सम्पूर्ण फसल या इसका भाग उन्नत बीजों से उगाया गया था। प्राधिकृत बीज फार्म से लाए गए उन्नत बीज आमतौर पर

प्रमाणित किए गए होते हैं जबकि अन्य स्रोत से लाए गए आमतौर पर प्रमाणित नहीं होते, क्षेत्र कर्मचारियों से अपेक्षित था कि यदि बीज खरीदें है तो वे पता करले कि क्या प्रयुक्त उन्नत बीज प्रमाणित है या प्रमाणित नहीं है। कई मामलों में किसान प्रमाणित बीज एक बार खरीद लेते हैं तथा उन बीजों से उत्पन्न बीजों कई कृषि फसलों के लिए प्रयुक्त करते हैं।

1.5.3 सारणी टी 9 जो उन्नत बीजों के अंतर्गत क्षेत्र का प्रतिशत तथा बीजों के प्रकार के अनुसार उन्नत बीजों के अंतर्गत क्षेत्र का प्रतिशत वितरण प्रस्तुत करती है, में निम्नलिखित मुद्दे आकर्षित करते है :-

1. पांच प्रमुख फसलों के अंतर्गत क्षेत्र का लगभग 59 प्रतिशत बीजों की उन्नत किस्में से खेती की गई। उन्नत बीजों के अंतर्गत क्षेत्र में फसलों के मध्य भिन्नता का क्रम-''अन्य नकदी फसल'' को छोड़कर लघु 47 प्रतिशत से 66 प्रतिशत था।

2. अस्सी के दशक के मध्य तक कृषि के सुधरे तरीकों को बढ़ाने के प्रयास में अनाजों की फसल पर अधिक ध्यान दिया गया। अत: जैसी कि संभावना है, उन्त बीजों के अंतर्गत पांच प्रमुख फसलों के अंतर्गत क्षेत्र का प्रतिशत अनाज समूहों में उच्चतम पाया गया था। खरीफ धान को छोड़कर, अनाज की फसलों के अंतर्गत क्षेत्र के लगभग दो-तिहाई के लिए उन्नत बीज प्रयुक्त किए गए थे।

3. पांच प्रमुख फसलों के अंतर्गत क्षेत्र में अनाज की फसलों का भाग लगभग 65 प्रतिशत था। यह देखा गया है कि पांच प्रमुख फसलों के अंतर्गत क्षेत्र में ''अनाज'' प्रमुख फसलों के अंनर्गत क्षेत्र में ''अनाज'' समूह के अंतर्गत खरीफ धान का भाग बृहद्तम (लगभग 38 प्रतिशत) था। तथापि, जहां तक उन्नत बीजों के प्रयोग का संबंध है, खरीफ धान में इसकी व्याप्ति के अंतर्गत क्षेत्र का अल्पतम प्रतिशत (51 प्रतिशत) दर्शाया है। खरीफ धान के लिए, पूर्व तथा उत्तर पूर्व के मैदानी तथा दक्षिण के तटीय भाग में वर्षा पर आश्रित कृषि प्रमुख फसल है यहां उन्नत बीजों का प्रसार प्रचार कम हुआ था। इसके अतिरिक्त उन्नत बीजों के अंतर्गत भाग का काफी अधिक 43 प्रतिशत स्वंय उगाए बीजों से खेती की गई थी जबकि 39 प्रतिशत क्षेत्र में प्रमाणित बीज प्रयुक्त किए गए थे।

4. जैसा कि खरीफ धान हेतु, प्रमाणित बीज गेहूँ और रबी धान क्रमश: हेतु उन्नत बीजों के अंतर्गत केवल 46 प्रतिशत और 39 प्रतिशत में प्रयुक्त किए गए थे।''अन्य अनाजों अर्थात ज्वार, बाजरा, मकई, रागी, छोटे-मोटे अनाज तथा जौ का उन्नत बीजों के अंतर्गत आने वाले क्षेत्र का 61 प्रतिशत प्रमाणित बीजों के अंतर्गत आता है।

5. उन्नत बीजों के प्रयोग में खाद्यान्नों में सबसे कम दालों के अंतर्गत क्षेत्र का केवल 47 प्रतिशत ही उन्नत बीजों से बोया गया था। इसके अतिरिक्त इस क्षेत्र का एक उचित बड़ा भाग घर में बोये (उन्नत बीज) बीजों से बोया गया था।

6. तिलहन, पांच प्रमुख फसलों के अंतर्गत क्षेत्र के कुल में लगभग 9 प्रतिशत भाग से, अन्य फसल समूहों में उन्नत बीजों के अंतर्गत इसका क्षेत्र लगभग 59 प्रतिशत था। प्रमाणित बीजों के प्रयोग में भी उचित उच्च (उन्नत बीजों के अंतर्गत 59 प्रतिशत क्षेत्र) था।

7. इस सर्वेक्षण में ''अन्य नकदी फसल'' समूह में कपास, जूट, मेस्ता तथा तम्बाकू शामिल है। इनमें से निसंदेह कपास प्रमुख है। हाल के वर्षों में कपास के उत्पादन में उत्तरोत्तर वृद्धि का कारण शायद कपास की खेती के अंतर्गत क्षेत्रफल में वृद्धि के अतिरिक्त उन्नत किस्म के बीजों के प्रयोग के कारण भी है। यह पांच प्रमुख फसलों के अंतर्गत कुल क्षेत्र में से ''अन्य नकदी फसलों में राज्यों

जैसा कि महाराष्ट्र, गुजरात, आन्ध्रप्रदेश, पंजाब, हरियाणा, कर्नाटक तथा राजस्थान का अपेक्षाकृत उच्च भाग से प्रमाणित होता है। यहां यह उल्लेख करना भी उचित होगा कि उन्नत किस्म के बीजों के अंतर्गत लगभग 76 प्रतिशत क्षेत्र की खेती प्रमाणित बीजों से की गई थी।

सारणी टी 10 फसल–समूह तथा जोतों के आकार वर्गों के अनुसार उन्नत किस्म के बीजों के अंतर्गत क्षेत्र का प्रतिशत

भारत

आकार वर्ग (हे०)	खरीफ धान	रबी धान	गेहूँ	अन्य अनाज	दालें	तिलहन	चारा	अन्य	सभी
शून्य (0.01)	27	60	54	35	31	60	45	44	38
00.01-00.20	45	68	47	46	22	57	59	52	47
00.21-00.50	48	69	51	51	37	54	50	52	50
00.51-01.00	49	67	54	58	40	55	51	58	53
01.01-02.00	49	60	59	60	44	57	53	61	55
02.01-04.00	50	65	65	65	45	58	58	68	60
04.01-10.00	58	69	71	69	51	61	57	70	65
10.01तथा इससे अधिक	71	81	79	70	56	61	63	74	70
सभी	51	66	63	64	47	59	56	65	59

1.5.4 उन्नत बीजों का प्रयोग तथा जोत का आकार: फसल समूह के अनुसार उन्नत बीजों के अंतर्गत प्रतिशत क्षेत्र सारणी टी 10 में प्रस्तुत है। ''सभी फसलों'' हेतु अनुमान स्पष्ट तौर पर उन्नत किस्म के बीजों तथा जोत के आकार के अंतर्गत क्षेत्र के मध्य एक वास्तविक संबंध दर्शाती है। आधुनिक खेती सिंचाई हेतु पर्याप्त मात्रा में जल आपूर्ति के साथ–साथ बड़े पैमाने पर एच वाई वी बीजों रासायनिक उर्वरकों तथा कीटनाशी पर आधारित है, इतनी उच्च निवेश की मांग जिसे छोटे किसान वहन नहीं कर सकते। अत: उन्नत बीजों तथा जोत आकार के अंतर्गत क्षेत्र के मध्य सकारात्मक संबंध छोटे किसानों की तुलना में बड़े किसानों के संगत लाभ ही दर्शाते हैं।

1.5.5 सारणी से यह भी पता चलता है कि रबी धान के अंतर्गत क्षेत्र के लगभग दो–तिहाई में सभी आकार वर्ग में एक समान रूप से उन्नत किस्म के बीज प्रयुक्त किए गए थे। दूसरी ओर, खरीफ धान हेतु उन्नत किस्म के बीजों के अंतर्गत क्षेत्र में जोत आकार में वृद्धि के साथ उत्तरोत्तर वृद्धि हुई है। यही पैटर्न फसल–समूहों जैसे गेहूँ, अन्य अनाज, दालों तथा चारे हेतु भी पाए गए थे।

1.6 आधुनिक खेती–बाड़ी हेतु निवेश का प्रयोग:

1.6.1 चौथी योजना में मौजूत खाद्य सेकट का मुकाबला करने में अपनाई गई नीति एच वाई वी बीजों के प्रयोग को एक विस्तार देने तथा रसायनिक उर्वरकों तथा कीटनाशी के प्रयोग को

मिलाकर सुधरे तरीकों का एक पैकेज था। इसके परिणाम स्वरूप पिछले तीन दशकों के दौरान खाद्यान्नों के उत्पादन में उत्तरोत्तर वृद्धि हुई। आजकल, देश के एक बृहद् भाग में फसलों की काफी किस्मों हेतु सुधरे कृषि तरीकों को अपनाया गया है। परन्तु जबकि कृषि में वृद्धि में उर्वरकों तथा कीटनाशी ने बड़ी भूमिका अदा की है इस पर पर्यावरणविदों तथा समाज विज्ञानियों ने गहरी चिन्ता भी जताई है। उत्पादन संबंधी थोड़े से प्रभाव के अतिरिक्त उन्होंने अन्य क्षेत्रों संबंधी उनके प्रभाव भी दर्शाए है। उनके प्रयोग की सीमा के मूल्यांकन के अपेक्षित आंकड़े या तो उपलब्ध नहीं है या कम हैं। उर्वरकों, कीटनाशी, खरपतवारनाशी तथा उच्च कोटी के बीजों के उपयोग के समाहार संबंधी वार्षिक आंकड़े जो उपलब्ध हैं वे विभिन्न फसलों या किसानों के विभिन्न वर्गों द्वारा उनके उपयोग की सीमा को नहीं दर्शाते हैं। मौजूदा सर्वेक्षण इन निवेशों के प्रयोग से संबंधित कुछ मूल पैरामीटरों के अनुमान तैयार करने का प्रयास है।

1.6.2 मौजूदा सर्वेक्षण में इन निवेशों के प्रयोग संबंधी एक प्रतिदर्श परिवार द्वारा सूचित प्रमुख फसलों (अधिकतम पांच) के प्रत्येक हेतु कुछ निरपेक्ष आंकड़ों को संग्रहीत किया गया था। इस अंक में प्रस्तुत अनुमान इन आंकड़ों पर आधारित है, ये दरों जैसे कि प्रति यूनिट क्षेत्र प्रभात्रा, आदि के घोतक नहीं हैं, ये साधारणता उनके उपयोग जैसे कि क्षेत्र जिस पर उर्वरक, कीटनाशी तथा खरपतवारनाशी छिड़कना है समग्र पर या इसके भाग या बिल्कुल प्रयुक्त नहीं किया गया के समानुपात के बृहद् विशेषताएं दर्शाते है।

सारणी टी 11 : उन्नत बीजों, रसायनिक उर्वरकों, खाद, खरपतवारनाशी तथा कीटनाशी का प्रयोग वाली एक फसल समूह के अंतर्गत क्षेत्र का प्रतिशत

भारत

फसल	उन्नत बीज	उर्वरक	खाद	एक या दोनों *	खरपतवार	कीटनाशी
धान (खरीफ)	51	83	77	94	26	52
धान (रबी)	66	89	73	94	35	74
गेहूँ	63	93	72	98	28	44
अन्य अनाज	64	71	79	91	14	32
दालें	47	65	67	84	12	39
तिलहन	59	82	71	93	23	52
मिश्रित फसल	51	60	67	81	31	38
गन्ना	61	96	86	99	30	51
सब्जियां	59	77	76	92	21	59
चारा	56	73	67	86	16	20
फल और मेवे	48	71	73	84	23	56
अन्य नगदी फल	82	91	78	97	24	76
अन्य	45	66	59	74	24	41
सभी फसलें	59	81	74	93	22	47

*'एक या दोनों' का तात्पर्य है 'या तो खाद तथा उर्वरक या दोनों'

1.6.3 आधुनिक खेती के लिए यह जरूरी है कि खेती वाले क्षेत्र की मिट्टी का परीक्षण हो ताकि उचित खाद और या उर्वरक का प्रयोग किया जा सके। परन्तु राष्ट्रीय स्तर पर केवल 3.4 प्रतिशत कृषक परिवारों ने अपने खेत की मृदा का मृदान परीक्षण प्रयोगशाला में करवाना सूचित किया है। पुनः, मृदा का परीक्षण करवाने वाले आधे परिवारों ने परीक्षण की सिफारिशों को अपनाया। अतः मृदा परीक्षण की सीमा बिल्कुल नगण्य है। खेती वाले क्षेत्रों की मृदा परीक्षण की आवश्यकता को अभी देश में बढ़ावा नहीं मिला है।

1.6.4 सारणी टी 11 उन्नत बीजों, रसायनिक उर्वरकों आदि के प्रयोग वाले एक फसल समूह के अंतर्गत क्षेत्र का प्रतिशत दर्शाती हैं। ''सभी फसलों'' के सामने दर्शाए प्रतिशत वास्तविक रूप से पांच फसलों के अंतर्गत के प्रतिशत का धोतक है। यह पाया गया है कि पांच प्रमुख फसलों के अंतर्गत क्षेत्र के चार बटा पांच से भी अधिक मात्रा की मृदा में उर्वरक तथा तीन चौथाई भाग में खाद डाला गया या तो उर्वरक या खाद 83 प्रतिशत में डाला गया, कीटनाशी लगभग आधे में तथा खरपतवार नाशी पांच प्रमुख फसलों के अंतर्गत क्षेत्र के लगभग चौथाई भाग में डाला गया। उन्नत बीजों (59 प्रतिशत) तथा रसायनिक उर्वरक डाले गए क्षेत्र (81 प्रतिशत) के अंतर्गत क्षेत्र के प्रतिशत से यह पता चलता है कि रसायनिक उर्वरकों के प्रयोग अकेले उन्नत बीजों से उत्पन्न फसलों तक सीमित नहीं है। अनुमान दर्शाते है कि कम से कम 22 प्रतिशत फसल क्षेत्र जिस पर उर्वरकों के प्रयोग से पारिवारिक किस्म की फसलों की फसलें उगाई गई थी। दूसरे शब्दों में, पारंपरिक किस्म से बोये गए फसल क्षेत्र (41 प्रतिशत) कम से कम आधे से अधिक में उर्वरक डाला गया था।

1.6.5 ऐसा न केवल समाहार में ही सच प्रतीत होता है अपितु प्रत्येक पृथक फसल हेतु भी है क्योंकि उन्नत बीजों के अंतर्गत वाले क्षेत्र में उर्वरक डाले गए क्षेत्र का प्रतिशत निरपवाद रूप से बढ़ा है। यह आभास फसल समूहों गन्ना, गेहूँ और उन्य नकदी फसलों के लिए अधिक पाया गया है। ऐसा देखा गया है कि प्रयुक्त बीजों की किस्म का विचार किए बिना प्रत्येक के अंतर्गत क्षेत्र में उर्वरक प्रयुक्त किया गया था।

1.6.6 रसायनिक उर्वरकों के दुष्प्रभावों के बढ़ने के कारण रसायनिक उर्वरकों के प्रतिस्थानों में कार्बनिक खादों के प्रयोग को बढ़ाने की महती आवश्यकता हाल के वर्षों में महसूस की गई है। सारणी में दिए गए अनुमानों में किसानों के द्वारा पोषण के प्रबंधों के वर्तमान व्यवहार को दर्शाते है। यह देखा गया है कि आमतौर पर कार्बनिक खादों की तुलना में रसायनिक उर्वरकों बहुत अधिक प्रयोग हुआ था। रसायनिक उर्वरकों तथा कार्बनिक खादों के प्रयोग वाले क्षेत्रों के प्रतिशत के मध्य अंतर गेहू, रबी धान तथा ''अन्य नकदी फसलों'' के फसल समूह में अधिक पाई गई। 'मिश्रित फसल' तथा ''अन्य अनाज'' फसल समूहों में ही उर्वरकों की तुलना में खाद का प्रयोग अधिकतर प्रत्यक्ष दृष्टिगोचर हुआ था।

1.6.7 फसलों के अंतर्गत क्षेत्र का प्रतिशत जिस पर कीटनाशी छिड़का गया था, ये कीटनाशी संबंधी फसलों की उन्नत किस्मों पर ही निर्भरता दर्शाती है। तथापि सामान्यतया उन्नत बीजों के प्रयोग की तुलना में कीटनाशी का प्रयोग कम हुआ। रबी के धान एक स्पष्ट अपवाद को छोड़कर रबी के धान हेतु, ऐसा प्रतीत होता है कि कीटनाशी का प्रयोग उन्नत किस्मों तक ही सीमित नहीं था।

1.6.8 जैसा कि कीटनाशी से ही स्पष्ट है, जो कीड़ों का नाश करने तथा पौधे को रोग बचाने के लिए छिड़का जाता है, खरपतवार नाशी, खरपतवार को जो मृदा के पोषण का हरण कर फसल को अर्ध पोषित कर देते हो को हटाना है, इसके

अतिरिक्त कीटनाशी के प्रयोग के विपरीत खरपतवारनाशी मानव श्रम पर निर्भर गुड़ाई प्रचालन को समाप्त करने के लिए प्रयोग किया जाता है। खरपतवारनाशी का अधिक प्रयोग रबी धान की खेती में ही पाया गया था। सारणी टी 11 से पता चलता है कि रबी धान के अंतर्गत 35 प्रतिशत क्षेत्र में खरपतवारनाशी तथा बनस्पति नाशी छिड़का गया था। ''मिश्रित फसल'' और गन्ना फसल समूहों हेतु खरपतवारनाशी का प्रयोग भी काफी उच्च पाया गया था। पांच प्रमुख फसलों के अंतर्गत क्षेत्र अर्थात रबी धान दालें तथा तिलहन अनाज में खरपतवार में फसल समूह अपेक्षाकृत उच्च था इसे व्यापक तौर से गेहूँ की खेती के लिए इसके बाद खरीफ धान के लिए प्रयुक्त किया गया था। ''अन्य अनाज तथा दाल'' फसल समूह हेतु खरपतवारनाशी उनके अंतर्गत क्षेत्र के थोडे से प्रतिशत में प्रयुक्त किए गए थे।

1.7 सिंचाई का प्रयोग:

1.7.1 उन्नत खेती बाड़ी व्यवहार के विस्तार तथा सिंचाई के प्रयोग के मध्य निकट संबंध जो आगामी खण्डों में स्पष्ट तौर पर देखा गया है इस विचार की व्यापक रूप से पुष्टि करता है कि उन्नत बीजों पर आधारित कृषि के निवेश पैकेज में सिंचाई एक निर्णायक तथय है। इसने 1960 से 1970 के दौरान पंजाब, हरियाणा तथा पश्चिमी उत्तर प्रदेश में तथा हाल ही के समय में तमिलनाडु, गुजरात तथा पश्चिम बंगाल जैसे राज्यों में परिवर्तित प्रौद्योगिकी को विकसित करने में इसकी भूमिका को अब पूर्ण मान्यता मिली है। इसके अलावा, सिंचाई ने परम्परागत कृषि में भी सुरक्षात्मक के साथ साथ उत्पादक भूमिका भी अदा की है। मौजूदा सर्वेक्षण भारत में कृषि सांख्यिकी के एक भाग के रूप में उपलब्ध सिंचाई संबंधी आंकड़ों के समाहार से मौटे तौर पर व्यक्तियों को समझाने के लिए पूर्ण जानकारी मुहैया कराने का प्रयास करता है। इसमें संबंधित मुददे जैसे कि ''सार्वजनिक सिंचाई सुविधाओं का असमान विस्तार, खासतौर पर नहरों का पूरक सार्वजनिक निवेश में निजी सिंचाई संसाधनों का संगत महत्व तथा गैर नहरी क्षेत्रों में निजी तौर पर ली गई सुविधाओं से भाड़े पर सिंचाई सुविधाओं संबंधी किसानों की निर्भरता के प्रश्नों के उत्तर मांगे गए।

1.7.2 पांच प्रमुख फसलों वाले प्रत्येक परिवार से सिंचाई के प्रयोग का पता लगाया गया तथा यदि इसका उत्तर सकारात्मक था तो यह पूछा गया था कि क्या अन्य परिवारों से कोई सिंचाई सेवा भाड़े पर ली गई थी या नहीं। इस अंक में प्रस्तुत सिंचाई के प्रयोग संबंधी अनुमान फसल के अंतर्गत क्षेत्र के साथ ही मुख्यतया उन दो प्रश्नों के उत्तर पर आधारित है। इसके अतिरिक्त सरकारी सिंचाई की नहरों से जल की उपलब्धता से संबंधित ग्राम स्तर मद की जानकारी भी इस अंक हेतु प्रयुक्त की गई है। इसमें सिंचाई सुविधाओं जैसे कि खुदा हुआ कुआं, टयूवैल तथा पम्प सेट तथा उनके नीचे जल स्तर या इंधन की कमी या बिजली की कमी के कारण बेकार हुए, शेष सुविधाओं के स्वामित्व संबंधी अनुमान भी निर्दिष्ट हैं।

1.7.3 सारणी टी 12 सिंचाई के प्रयोग तथा सार्वजनिक और निजी सिंचाई सुविधाओं की उपलब्धता की सीमा दर्शाने वाले कुछ अनुमान भी दिए हैं। मौजूदा सर्वेक्षण से अनुमानों के अतिरिक्त सारणी में अन्य स्रोतों से प्राप्त तुलनीय अनुमान भी शामिल हैं।

1.7.4 मौजूदा सर्वेक्षण के अनुसार पांच प्रमुख फसलों के अंतर्गत क्षेत्र में सिंचित क्षेत्र का अनुमानित प्रतिशत 65 है। परन्तु यह देखा गया है कि वर्ष 1993–94 कृषि वर्ष में कुल फसल क्षेत्र (37 प्रतिशत) में कुल सिंचित क्षेत्र के प्रतिशत से यह अनुमान यथेष्ट रूप से भिन्न है जैसा कि कृषि मंत्रालय ने दिया है। दरअसल यह अस्वीकार्य

है कि इन दो अनुमानों में सुझाए गए कदमों से सिंचाई के विस्तार में प्रगति हुई है। इस भिन्नता हेतु निम्नलिखित विश्वसनीय कारण निर्धारित किए जा सकते है।

सारणी टी 12 : कुल सिंचित फसल क्षेत्र तथा सिंचाई सुविधाओं की उपलब्धता का प्रतिशत

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	(I) इलेक्ट्रिक पम्प		48
	(II) डीजल पम्प		14
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(क) मौजूदा सर्वेक्षण में क्षेत्र की व्याप्ति में सिंचित क्षेत्र का पांच प्रमुख फसलों के अंतर्गत अधिक भाग देखा गया। अधिकांश फसलें जो बताई गई थी परन्तु दर्ज की जाने वाली फसलों की संख्या संबंधी सीमा के निर्धारण के कारण दर्ज नहीं की गई वे अपेक्षाकृत कम महत्व की है। अत: यह संभावना है कि पांच प्रमुख फसलों के अंतर्गत क्षेत्र में शामिल न होने वाले क्षेत्र में उगाई गई फसलें सिंचित की तुलना में हमेशा असिंचित रही थी।

(ख) फलोधान तथा बागान क्षेत्रों को मौजूदा पूछताछ की व्याप्ति से बाहर रखा गया क्योंकि ये केवल क्षेत्र फसल कृषि से संमंधित है।

(ग) क्षेत्र स्टाफ को परिवारों द्वारा सूचित एक फसल के अंतर्गत क्षेत्र को चाहे वास्तव में इसका केवल एक भाग सिंचित हैं। सिंचित दर्ज करना अपेक्षित था।

1.7.5 मौजूदा सर्वेक्षण में पांच प्रमुख फसलों के अंतर्गत क्षेत्र की व्याप्ति में पहले दो कारणों को आसानी से छोड़ा जा सकता है क्योंकि इससे सकल फसल क्षेत्र में केवल लगभग (7 प्रतिशत) की कमी होगी जो भिन्नता की व्याक्ष्या में बहुत लघु हैं। तथापि उत्तरदात्ता द्वारा फसल क्षेत्र कम सूचित करने की संभावना है खासतौर पर कम महत्व की कम असिंचित क्षेत्र को यह विश्वास करने के कारण है कि उत्तरदाताओं का रा.प्र.सर्वे सं सर्वेक्षणें में भूमि का क्षेत्र कम सूचित करने की प्रवृत्ति है क्योंकि ये कोई अधिकारिक रिकार्ड बनाए बिना वैयक्तिक साक्षात्कार के जरिए चलाए जाते हैं। मौजूदा सर्वेक्षण में सकल फसल क्षेत्र के अनुमान कृषि मंत्रालय के 1993–94 के तदनुरूपी आंकड़े लगभग 22 प्रतिशत से कम पाए गए हैं।

1.7.6 मौजूदा सर्वेक्षण में पांच प्रमुख फसलों के अंतर्गत क्षेत्र में सिंचित क्षेत्र का प्रतिशत, हालांकि भूमि तथा पशुधन जोत सर्वेक्षण रा.प्र.सर्वे. 48वां दौर (1991–92) के अनुमानों से प्राप्त बृहद तुलनीय आंकड़ों की तुलना में बेहतर हैं। भूमि और पशुधन जोत सर्वेक्षण 1991–92 के सिंचाई वाले और बिना सिंचाई वाले प्रचालन क्षेत्र के एक सदृश अनुमान का प्रतिशत लगभग 51% प्राप्त हुआ है (देखें सारणी टी 13) परन्तु प्राप्त अनुमान सीमाबद्धता से इतने बंधे हुए है कि कृषि वर्ष के दौरान सिंचित एक प्लाट को आंकड़े प्राप्त करने हेतु उस पर बोई गई सभी फसलों के लिए सिंचित माना गया है। अत: भूमि तथा पशुधन जोत सर्वेक्षण, 1991–92 के अनुमानों से प्राप्त सिंचित सकल फसल क्षेत्र के लिए दिए गए आंकड़े बढ़ा कर दिए गए हैं।

1.7.7 भूमि तथा पशुधन जोत सर्वेक्षण 1991–92 से प्राप्त अनुमान के समान ही मौजूदा सर्वेक्षण से प्राप्त पांच प्रमुख फसलों के अंतर्गत क्षेत्र के सिंचाई के अनुमानित प्रतिशत को भी पैरा 1.7.4 में दिए गए कारणों से उच्चतर पक्ष का कहा जा सकता है। यद्यपि इन दो अनुमानों में सम्मिलित अधिक अनुमान के घटक अज्ञात विस्तार है, इनके मध्य अंतर से 1997–98 में समाप्त छ: वर्ष की अवधि के दौरान सिंचाई के प्रयोग में उचित मात्रा में वृद्धि को सूचित करता है। परिवारों की पम्प सेटों को खरीदने के प्रतिशत में वृद्धि इसके पक्ष में प्रभाव प्रस्तुत करते हैं।

1.7.8 सारणी टी 12 की मद 5 दर्शाती है कि हालांकि 1997–98 में इलेक्ट्रिक पम्प सेट वालों का तथा डीजल पम्प सेट वालों दोनों का भाग 8 था। 1991–92 में प्रति 100 परिवारों पर इलेक्ट्रिक पम्प सेटों तथा डीजल पम्प सेटों की संख्या क्रमश: 6 और 7 थी। चूंकि यदि एक परिवार में एक से अधिक पम्प सेट हो, कहीं कहीं पर प्रति 100 परिवारों में पम्प सेटों की संख्या परिवारों के प्रतिशत अधिक भी हो सकती है। 1991–92 तथा जनवरी–जून, 1998 के मध्य ग्रामीण भारत में भी

सारणी टी 13 ग्रामीण क्षेत्रों के सिंचित सकल फसल क्षेत्र के प्रतिशत प्राप्त करने हेतु प्रयुक्त एल एच एस (1991–92) के अनुमान (रा.प्र.सर्वे, 48वां दौर)

	मद	भारत अनुमान
1.	प्रचालित क्षेत्र (एमएचए)	125.10
2.	प्रचालित क्षेत्र का प्रतिशत:	
	(क) असिंचित तथा एक फसल देने वाला	35.31
	(ख) असिंचित तथ एक से अधिक फसल देने वाला	11.59
	(ग) सिंचित और एक फसल देने वाला	10.93
	(घ) सिंचित और दो फसल देने वाला	22.97
	(ड.) सिंचित तथा दो से भी अधिक फसल देने वाला	1.49
3.	निवल बोया क्षेत्र (एमएचए) असिंचित तथा फसल	
	(क) एक बार	44.17
	(ख) एक बार से अधिक	14.50
4.	निवल बोया क्षेत्र (एमएचए) सिंचित तथा फसल	
	(क) एक बार	13.67
	(ख) दो बार	28.74
	(ग) दो बार से भी अधिक	1.86
5.	सकल फसल क्षेत्र (एमएचए) असिंचित (लगभग)	
	3(क)+दो बार 3(ख)	73.17
6.	सकल फसल क्षेत्र (एमएचए) सिंचित (लगभग)	
	4(क)+दो बार 4(ख)+तीन बार 4(ग)	76.73
7.	सकल फसल क्षेत्र (लगभग) (5)+(6)	149.90
8.	सिंचित सकल फसल क्षेत्र का प्रतिशत (लगभग)	51

जनसंख्या तथा परिवारों वृद्धि ने दो दौरों के अनुमानों के मध्य अंतर से छः वर्षों की अवधि के दौरान निजी तौर पर ली गई सिंचाई सुविधाओं में वृद्धि चिन्हित की है तथा क्षेत्र फसल की खेती हेतु सिंचाई के उपयोग को बढ़ाने के सुझाव दिए हैं।

1.7.9 पम्प सेटों के अतिरिक्त, परिवारों द्वारा लिए गए सभी खुदे कुओं तथा टयूबवैलों को शामिल करके निजी तौर पर सिंचाई सुविधाएं ली गई। यह देखा गया है कि क्षेत्र फसल कृषक परिवारों के लगभग 29 प्रतिशत सिंचाई के लिए उनमें से कम से कम एक पर निर्भर हैं।

1.7.10 निजी तौर पर ली गई सिंचाई सुविधाओं वाले किसान अपनी इच्छानुसार सिंचाई के लिए जल की आपूर्ति को आश्वस्त हैं। किन्तु बिजली सप्लाई की अनिश्चितता या ईंधन की गैर–उपलब्धता या भू–गत जल के नीचे स्तर की सीमा के कारण एक वर्ष के काफी समय के दौरान उपस्कर का इस्तेमाल नहीं होता। सारणी टी 12

दर्शाती है कि इलेक्ट्रिक पम्प सेट वाले क्षेत्र फसल कृषक परिवारों में 48 प्रतिशत ने सर्वेक्षण की तारीख से पूर्ववर्ती 365 दिनों के दौरान कम से कम कुछ समय इन्हें बंद रखा था। इसी प्रकार उनमें जिनके पास तेल से चलने वाले पम्प सेट है में से लगभग 14 प्रतिशत ने ईंधन की कमी के कारण इसका प्रयोग नहीं कर सके। इसके अतिरिक्त निजी तौर पर खुदे हुए कुओं और टयूबवैल वाले परिवारों के 26 प्रतिशत ने सूचित किया कि भू-जल स्तर के नीचे चले जाने के कारण पिछले 365 दिनों के दौरान कुछ समय के लिए इन्हें उपयोग में नहीं लिया गया था।

1.7.11 सार्वजनिक सिंचाई सुविधाओं के बारे में केवल सरकारी सिंचाई नहरों से जल की उपलब्धता के संबंध में ग्राम स्तर जानकारी ही इस अंक में प्रयुक्त की गई है। सारणी टी 12 की मद संख्या 2 से देखा गया है कि पांच प्रमुख फसलों के अंतर्गत क्षेत्र में सरकारी नहर में गांवों का भाग लगभग 26 प्रतिशत है।

1.8 कृषि में यांत्रिकीकरण :

1.8.1 भारतीय कृषि में यांत्रिकीकरण का प्रारंभ 1960 के प्रारंभ में देखा जा सकता है। तभी से इसने उपयुक्त उत्तरोतर गति से प्रगति की है। परन्तु खेत यांत्रिकीकरण के कई महत्वपूर्ण प्रकार बहुतायत रूप से कुछ पॉकेटों में ही केन्द्रित रह गया सामान्यतया इसे ''हरित क्रान्ति क्षेत्र कहा गया। रा.प्र.सर्वे.सं. का दश वार्षिक भूमि तथा पशुधन सर्वेक्षण से प्राप्त अनुमान जिससे सारणी टी 14 बनाई गई है स्पष्ट तौर पर आधुनिक यंत्रों जैसे कि ट्रैक्टर, पावरथ्रीलर, पम्प सेटों के स्वामित्व के संदर्भ में यांत्रिक खेती के विकास को चित्रित करती है। ये अनुमान आधुनिक खेती उपस्करों के क्रय की संख्या में द्रुत गति वृद्धि की प्रवृत्ति दर्शाते हैं, परन्तु उसके वास्तविक प्रयोग का अच्छा उपाय नहीं बताते हैं। बड़ी संख्या में किसानों ने ट्रैक्टरों, पावर थ्रीलरों तथा कटाई मशीनों का क्रय करने वाले किसानों से भाड़े पर लिया। अत: आधुनिक खेती मशीनरी का वास्तविक प्रयोग उपस्करों के स्वामित्व संबंधी सुझाए गए आंकड़ों की तुलना में अधिक व्याका हैं। मौजूदा सर्वेक्षण आधुनिक खेती मशीनर जो या तो भाड़े पर ली या खरीदी गई के वास्तविक प्रयोग संबंधी कुछ आंकड़े मुहैया कराती है। मौजूदा सर्वेक्षण में ट्रैक्टर या पावर थ्रीलर का प्रयोग सूचित करने वाले ग्रामीण परिवारों का प्रतिशत 25 प्रतिशत था। यह पिछले तीन दशकों के दौरान ट्रैक्टर और पावर थ्रीलर के प्रयोग में वृद्धि प्रतिदर्शित करता है, चूंकि रा.प्र.सर्वे 22वां दौर (1967-68) में अनुमानित ट्रैक्टर या पावर थ्रीलर का प्रयोग करने वाले परिवारों का प्रतिशत मात्र 1.17 प्रतिशत था।

सारणी टी 14 : विभिन्न रा.प्र.सर्वे दौरों में ट्रैक्टर, पावर थालरों तथा पम्पों की अनुमानित संख्या

भारत

फार्म उपस्कर	71-72 (26वां)	81-82 (37वां)	91-92 (48वां)
ट्रैक्टर (000)	75	486	1,363
पावर थ्रीलर (00)	-	249	513
पम्प-इलेक्ट्रिक तथा तेल (मिलियन)	5	11	16

1.8.2 एक प्रतिदर्श परिवार द्वारा कृषि की गई पांच महत्वपूर्ण फसलों में प्रत्येक के लिए यह पूछा गया था कि क्या परिवार ने कोई ट्रैक्टर या पावर थ्रीलर प्रयुक्त किया था और यदि हो तो क्या इसे भाडे पर लिया था। इस अंक में दिए गए ट्रैक्टर और पावर थ्रीलर के प्रयोग संबंधी अनुमान सभी इन दो प्रश्नों के उत्तर पर आधारित हैं। सारणी टी 15 पांच प्रमुख फसलों के अंतर्गत क्षेत्र को ट्रैक्टर या पावर थ्रीलर से जोतने का प्रतिशत दर्शाती है तथा जोत के प्रत्येक आकार वर्ग हेतु पृथकता इसका कौन सा भाग भाड़े पर लिया गया था दर्शाती है। यह नोट करना

महत्वपूर्ण है कि इस सारणी में प्रस्तुत अनुमान समग्र पांच प्रमुख फसलों के अंतर्गत क्षेत्र के लिए है या ट्रैक्टर या पावर थ्रीलर द्वारा आंशिक तौर पर जोते गए के द्योतक हैं। इस अंक के खण्ड – II में सारणी (5) के परिशिष्ट। से यह देखा गया है कि ट्रैक्टर या पावर थ्रीलर से जोते गए पांच प्रमुख फसलों के अंतर्गत क्षेत्र का लगभग एक तिहाई मशीनों से वास्तव में आंशिक तौर पर ही जोता गया था। बिना भाड़े की सेवाओं के प्रयोग के यांत्रिकी तौर पर जोते गए पांच प्रमुख फसलों के अंतर्गत क्षेत्र का ट्रैक्टर या पावर थ्रीलर से आंशिक जोता गया भाग केवल लगभग 10% था। यद्यपि ''आंशिक प्रयुक्त'' और ''समग्र प्रयुक्त'' के मध्य अंतर महत्वपूर्ण है केवल यांत्रिकी तौर पर जोते गए पांच प्रमुख फसलों के अंतर्गत क्षेत्र चाहें वह आंशिक हो या समग्र पर ही इस अध्याय में चर्चा की गई है।

सारणी टी 15 : पांच प्रमुख फसलों के अंतर्गत क्षेत्र के ट्रैक्टर/पावर थ्रीलर से जोते गए तथा भाड़े के ट्रैक्टर और पावर थ्रीलर का प्रतिशत

भारत

आकार वर्ग (हे.)	ट्रैक्टर/पावर थ्रीलर से जोते गए पांच प्रमुख फसलों के अंतर्गत क्षेत्र का प्रतिशत			*भाड़े के ट्रैक्टर से जोते गए पांच प्रमुख फसलों के अंतर्गत ट्रैक्टर से जुते क्षेत्र का प्रतिशत
	भाड़े के	अन्य	सभी	
nil (<0.01)	42	8	50	84
0.01-0.20	44	3	47	94
0.21-0.50	44	3	46	96
0.51-1.00	41	3	44	93
1.01-2.00	41	5	46	90
2.01-4.00	40	12	52	77
4.01-10.00	37	26	63	59
10.01 इससे ऊपर	29	52	81	36
सभी	39	15	54	72

*ट्रैक्टर शब्द ''ट्रैक्टर और पावर थ्रीलर'' के लिए है।

1.8.3 ऐसा देखा गया है कि पांच प्रमुख फसलों के अंतर्गत क्षेत्र का लगभग 54 प्रतिशत या तो ट्रैक्टर से या पावर थ्रीलर से यांत्रिकी तौर पर जोता गया था। विशेष तौर पर पांच प्रमुख फसलों के अंतर्गत क्षेत्र का लगभग तीन चौथाई भाग को यांत्रिकी तौर पर जोतने में भाड़े के ट्रैक्टर और पावर थ्रीलर को प्रयुक्त किया गया था। भाड़े के उपस्कर से भूमि की जुताई ''बृहद'' श्रेणी को शामिल करके ''उपान्तिक'' तथा ''लघु'' जोत श्रेणियों में पांच प्रमुख फसलों के अंतर्गत यांत्रिकी तौर पर जुताई 90% से भी अधिक सभी आकार वर्गों में व्यापक थी। पांच प्रमुख फसलों के अंतर्गत एक काफी बड़ा भाग 44% से 50% के क्रम में ''लघु'' और ''उपन्तिक'' जोतों का यांत्रिकी तौर पर जोता गया था।

भारत में सामान्य सम्पत्ति के स्त्रोत :

रा. प्र. सर्वे. का 54 वां दौर (जनवरी, 1998-जून, 1998)

सर्वेक्षण निष्कर्ष

1.1 सामान्य सम्पत्ति संसाधनों (सा.स.सं.):

1.1.1 सामान्य सम्पत्ति संसाधनों पर जांच को प्रमुख निष्कर्षों को भी इस अंक में संक्षिप्त किया गया है। विभिन्न अन्य अध्ययनों से उपलब्ध अनुमानो के साथ उनकी तुलना करते समय यह सामान्य सम्पत्ति भूमि संसाधनों के महत्व पर सर्वेक्षण अनुमानों के साथ शुरू होता है। यह उनसे लिए गए इन संसाधनो और अन्य लाभो से ग्रामीण जनसंख्या द्वारा एकत्रित की गयी सामग्रियों के मूल्य के अनुसार, सा.स.स. पर निर्भरता की प्रकृति और परिणाम के परिदृश्य के कारण है । सा.स.सं. से एकत्रित ईधन लकड़ी और चारे की राशि पर तब कुछ विस्तार से चर्चा हुई है। अन्ततः व्यक्तिगत रूप से प्रचालित कृषि फार्मों की सिचाई भूमि में सा.स.सं. के योगदान का संकेत देते हुए सर्वेक्षण परिणामों पर सामान्य सम्पत्ति जल संसाधनो के सामुदायिक प्रवन्धन की भूमिका के सम्बन्ध में चर्चा की गयी थी।

1.2 सामान्य सम्पत्ति भूमि संसाधन आकार:

1.2.1 सर्वेक्षण में सा.स.सं. पर आकड़ा संग्रहण के लिए जांच की दो अनुसूचियां प्रयोग की गयी थी। मोटे-तौर पर कहते हुए, एक विभिन्न प्रकारो के सा.स.सं. उपलब्धता पर सूचना के संग्रहण के लिए प्रतिदर्श में प्रत्येक गांव के लिए तैयार की गयी थी। दूसरी अनुसूची प्रतिदर्श में प्रत्येक परिवार में तैयार की गयी थी। इस अनुसूची का एक भाग परिवारो के अनुसार सा.स.सं. की उपयोगिता पर सूचना दर्ज कराने के लिए बनाई गयी थी। सामान्य सम्पत्ति भूमि संसाधनों के क्षेत्र पर आकड़े दोनों विधितः और तथ्यतः दृष्टिकोणों को क्षेत्र निर्धारित करने के लिए स्थानीय अधिकारियों और जानकार व्यक्तियों से परामर्श करने की सलाह दी गयी थी। इस अंक में प्रस्तुत सामान्य सम्पत्ति भूमि संसाधनों के अनुमान विधितः दृष्टिकोण का प्रयोग करते हुए संग्रहित किए गए क्षेत्र के आकड़ों पर आधारित हैं।

1.2.2 सारणी टी 1 सर्वेक्षण से विधितः दृष्टिकोण का प्रयोग करते हुए प्राप्त किए गए सम्पत्ति भूमि संसाधनों की उपलब्धता पर अनुमान देती है। इस दृष्टिकोण के अनुसार, सामान्य सम्पत्ति भूमि संसाधनों में सामुदायिक चरागाह और चराई भूमि, गांव वन और लकड़ी लट्टे और गांव स्थलो जैसी भूमि की श्रेणियां शामिल है जिस पर ग्रामवासी कानूनी भोगाधिकारी अधिकार रखते हैं। इसमें पंचायत या गांव के एक समुदाय द्वारा औपचारिक रूप से काबिज सभी अन्य भूमि भी शामिल है। वास्तवः में सभी पंचायत भूमि, जो

किसी व्यक्ति या किसी संगठन को पट्टे पर भी दी गयी है को भी सामान्य सम्पत्ति के रूप में माना जाता था। सरकारी वन, अर्थात: वन विभाग के क्षेत्राधिकार के अन्तर्गत भूमि, और वह भूमि जो गैर-कृषि प्रयोगो के लिए है (जल निकायों के अन्तगर्त भूमि को छोड़कर) को विधित: दृष्टिकोण में सामान्य ग्राम भूमि के कवरेज से निकाल दिया गया था।

सारणी टी 1 ग्रामीण भारत में सामान्य सम्पत्ति भूमि संसाधनों की उपलब्धता

	मद	अनुमान
1.	कुल भौगोलिक क्षेत्र में सामान्य सम्पत्ति भूमि संसाधनों का प्रतिशत	15
2.	प्रति परिवार सामान्य सम्पत्ति भूमि संसाधन	0.31
3.	औसत परिवार आकार	5.04
4.	प्रति व्यक्ति सामान्य सम्पति भूमि संसाधन	0.06
5.	सामान्य सम्पत्ति भूमि संसाधन के घटक: (प्रतिशत)	23
	सामुदायिक चरागाह तथा चराई भूमि	(3.45%)
	गांव वन तथा लकड़ी लट्ठे	16 (2.40%)
	अन्य	61 (9.15%)

मद 5 में कोष्ठकों में आँकड़े भौगोलिक क्षेत्र के संबंध में प्रतिशत दर्शाते है।

1.2.3 विधित: दृष्टिकोण में सा.स.सं. की सीमित परिभाषा में सभी सरकारी वन और राजस्व भूमि को छोड़ दिया जाता है जो व्यवहार में वास्तविक रूप से सामान्य सम्पत्ति के रूप में प्रयोग हो सकती है। फिर भी यह देखा गया है कि सामान्य सम्पत्ति भूमि संसाधन कुल भौगोलिक क्षेत्र का एक बड़ा भाग (15%) है। यह अनुमान प्राथमिक जनगणना सारांश (प्रा.ज.सा.), 1991 में दिए गए सर्वेक्षित गांवो के भौगोलिक क्षेत्र और सर्वेक्षण से संग्रहित सा.स.सं. के क्षेत्रो के आकड़ो पर आधारित है। बहुत से मामलों में, यद्यपि, भौगोलिक क्षेत्र प्रा.ज.सा. में उपलब्ध नहीं है। विशेषत: प्रा.ज.सा. जम्मू और कश्मीर और उत्तर-पूर्व पहाड़ी राज्य मणिपुर, मेघालय, अरूणाचल प्रदेश ओर मिजोरम के लिए गांव-वार क्षेत्र आकड़े उपलब्ध नहीं करती है। असम के लिए भी भौगोलिक क्षेत्र 214 सर्वेक्षित गांवो में से केवल 13 के लिए प्रा.ज.सा. से उपलब्ध है। इनके अतिरिक्त, भौगोलिक क्षेत्र के प्रतिशत अनुमान गांवों के आकड़ो पर आधारित है जिसके लिए भौगोलिक क्षेत्र प्रा.ज.सा. में उपलब्ध किया गया है। इसके अतिरिक्त, केरल के लिए प्रथम चरण प्रतिदर्श इकाईयां जनगणना गांवो की बजाए पंचायत वार्ड थे, केरल राज्य के लिए सा.स.स. पर आकड़े चयनित पंचायत वार्डो से सम्बन्धित है न कि उस सम्पूर्ण गांव से जिससे वे सम्बन्धित हैं। इस प्रकार केरल के आकड़े भौगोलिक क्षेत्र के लिए सा.स.सं. भूमि के प्रतिशत का अनुमान करने के लिए प्रयोग नहीं किए गए थे। सारणी टी 2 उन सर्वेक्षित गांवो की संख्या देती है जिसके लिए भौगोलिक क्षेत्र प्रा.ज.सा. में नहीं दिया गया है। यह देखा गया है कि कुछ 5,114 सर्वेक्षित गांवों में से, 924 गांवो के लिए भौगोलिक क्षेत्र प्रा.ज.सा. से उपलब्ध नहीं है।

1.2.4 क्षेत्र अनुमानो के सम्बन्ध में अन्य समस्याए: सर्वेक्षण के संग्रहित सा.स.सं. भूमि और वन क्षेत्र पर आकड़ो की प्रा.ज.सा. में उपलब्ध भौगोलिक क्षेत्र और महा पंजीयक की गांव निदेशिका (1991) में दिए गए वन के क्षेत्र से तुलना की गयी थी। बहुत से मामलो में, सा.स.सं. भूमि या वन क्षेत्र पर सर्वेक्षण आकड़े जनगणना आकड़ा से उपलब्ध भौगोलिक क्षेत्र या वन क्षेत्र से अधिक पाये गए थे। 700 से अधिक

ऐसे असंगत मामले समंक विधायन स्तर पर पता चले थे। इनमें से लगभग 60 मामले सा.स.सं. भूमि क्षेत्र से सम्बन्धित थे। संसाधन व्यवरोधों के कारण, केवल बाद वालों की जांच-पूछताछ अनुसूची में प्रविष्टियों सहित पुन: निरीक्षण और पुन: जाच की गयी थी। इन अधिकांश मामलो में जन गणना आकड़ो में विसंगति अनसुलझी रही। वास्तव में, यह पाया गया था कि जनगणना आकड़ो में भी बहुत से विसंगत मामले थे। उदारणार्थ, प्रा. ज.सा. में दिया गया भौगोलिक क्षेत्र कुछेक मामलों में गांव निदेशिका में दिए गए गैर-कृषीय प्रयोग के अन्तर्गत क्षेत्र से कम होना पाया गया था। इसलिए, जनगणना आकड़ो के आधार पर क्षेत्र से सम्बन्धित सर्वेक्षण आकड़ो को सही करने के लिए कोई प्रयास नहीं किया गया था। सर्वेक्षण में सा.स.सं. भूमि के अनुसार सूचित बहुत उच्च आकड़े अपरिवर्तित रखे गये थे। अत्याधिक महत्वपूर्ण रूप से, राजस्थान में दो गांव 10,000 वर्ग किमी से अधिक की सा.स.सं. भूमि वाले होने की सूचना थी उसमें से एक प्रा.ज.सा. के अनुसार लगभग 67,000 वर्ग किमी. के भौगोलिक क्षेत्र वाला पाया गया था।

सारणी टी 2 सर्वेक्षित गांवो की संख्या जिनके लिए भौगोलिक क्षेत्र प्रा.ज.सा. में उपलब्ध नहीं है।

राज्य	गांवो की संख्या	राज्य	गांवो की संख्या
आन्ध्र प्रदेश	7	मणिपुर	60
अरूणाचल प्रदेश	52	मेघालय	70
असम	201	मिजोरम	42
बिहार	6	नागालैण्ड	28
गोवा	1	उड़ीसा	2
गुजरात	4	राजस्थान	1
जम्मू और कश्मीर	192	सिक्किम	4
केरल	204	तमिलनाडु	29
मध्य प्रदेश	1	उत्तर प्रदेश	1
महाराष्ट्र	3	अण्डमान और निकोबार द्वीप समूह	16
		भारत	924

1.2.5 सा.स.सं. भूमि के क्षेत्र पर आकड़ो में समस्या के बावजूद सर्वेक्षण अनुमान सामान्य सम्पत्ति भूमि संसाधनों की महत्ता के वृहत्त क्रम का संकेत तो देते हैं। एक परिवार के लिए उपलब्ध औसत सा.स.सं. क्षेत्र 0.31 हेक्टर निकलती है जबकि ग्रामीण परिवार के लिए इसी सर्वेक्षण से 84 हेक्टर का अनुमान लगाया गया है। तथापि, उत्तरदाताओं की ओर से विशेषत: भूमि के बड़े क्षेत्र वाले के स्वामित्व वालो में भूमि के क्षेत्र में भूमि के क्षेत्र की कम सूचना देने की प्रवृत्ति है। आकड़ा संग्रहण की साक्षात्कार पद्धति पर आधारित सर्वेक्षणों की यह एक साधारण समस्या है। इस प्रकार उपरोक्त वर्णित स्वामित्व वाले औसत क्षेत्र का अनुमान नीचे की ओर होना सम्भव है। तथापि, परिवार (0.31 हेक्टर) सा.स.सं. भूमि के क्षेत्र का अनुमान और एक परिवार के अनुसार भूमि स्वामित्व (0.84)का औसत क्षेत्र ग्रामीण भारत के भूमि-आधारित कृषिय अर्थव्यवस्था में सामान्य सम्पति के आपेक्षिक महत्व को सूचित करते है।

1.2.6 अन्य द्वितीय आकड़ो पर आधारित अनुमानो के साथ तुलना: द्वितीय आकड़ों से

तैयार किए गए आकड़ो से आरम्भिक तुलना यह संकेत देती है कि सा.स.सं. भूमि के आकार के सर्वेक्षण अनुमान शायद निचली ओर है। भूमि-प्रयोग सांख्यिकी भू.प्र.सा. के पुन: वर्गीकरण द्वारा प्राप्त सा.स.सं. भूमि का क्षेत्र भौगोलिक क्षेत्र का लगभग 22 प्रतिशत पाया गया है, जबकि वर्तमान जांच से तदनुरूपी अनुमान मात्र 15 प्रतिशत है तथापि (भू.प्र.सा.) से तैयार किए गए सा.स.सं. क्षेत्र में संरक्षित और अश्रैणिकृत वन और प्रथागत अधिकारो के द्वारा सामान्य पहुंच की आज्ञा देने के लिए मानी गयी व्यक्तिगत रूप से स्वामित्व रूप से स्वामित्व वाली भूमि का हिस्सा भी शामिल है। सा.स.सं. क्षेत्र से इन घटको को छोड़ते हुए, अनुमान लगभग 9 प्रतिशत तक नीचे आ गया है जो वर्तमान सर्वेक्षण से प्राप्त किए अनुमानो से बहुत नीचे है। इससे सर्वेक्षण अनुमानो की नजदीकी से जांच करना अनिवार्य हो गया है।

1.2.7 सारटी टी 1 से यह देखा गया है कि सा.स.सं. भूमि का 61 प्रतिशत श्रेणी "अन्य" में आता है जिसमें गांव स्थित थ्रेसिंग फलोरस आदि और अन्य बंजर या खराब भूमि शामिल है। विधित: दृष्टिकोण में, बंजर और अजोतनीय भूमि का केवल वह भाग और खेती योग्य बंजर भूमि का सा.स.सं. के रूप में विचारणीय होना अपेक्षित था जो गॉव पंचायत या गांव के एक समुदाय के औपचारिक (अर्थात : विधिक मंजूरी या शासकीय आवंटन द्वारा) नियन्त्रण से अन्तर्गत थी। लेकिन सा.स.सं. भूमि में इस श्रेणी का ऊचां अंश (जो कुल भौगोलिक क्षेत्र के 9 प्रतिशत से अधिक के बराबर है) यह सुझाव देता है कि बहुत से मामलो में "औपचारिक नियन्त्रण" मापदण्ड को सा.स.सं. को यह जानते समय अनुचित रूप से लागू किया गया था। ऐसा प्रतीत होता है कि "निशुल्क पहुँच" राजस्व भूमि के एक बहुत बड़े हिस्से की सा.स.सं. भूमि के रूप में गलत पहचान की गयी थी। यद्यपि, सर्वेक्षण (3.45%) से प्राप्त कुल भौगोलिक क्षेत्र के संबंध में सामुदायिक चरागाह और घास के मैदान का अनुमानित प्रतिशत ऊपर वर्णित भू.प्र.सा. आकड़ो पर आधारित तदनुरूपी अनुमान (3.65%) के अनुसार उसी क्रम में होना पाया गया है।

1.2.8 सामान्य सम्पत्ति संसाधन (सा.स.सं.) भूमि की उपलब्धता में अन्तर-राज्यीय भिन्नता: विभिन्न राज्यो में सा.स.सं. भूमि की प्रति परिवार उपलब्धता और कुल भौगोलिक क्षेत्र के लिए सा.स.सं.भूमि का प्रतिशत सारणी टी 3 मे दिया गया है। यह देखा गया है कि एक परिवार के लिए उपलब्ध सा.स.सं. भूमि का औसत क्षेत्र 0.01 हे० (त्रिपुरा में) से 4.37 हे० (मिजोरम में) तक काफी अधिक भिन्न-भिन्न है। त्रिपुरा मणिपुर और सिक्किम को छोड़कर, उत्तर-पूर्व के सभी पहाड़ी राज्यों में प्रति परिवार अधिक सा.स.सं. भूमि है। उत्तर-पूर्व राज्यो के अलावा प्रति परिवार सा.स.सं. भूमि राजस्थान (2.04 हे०) उच्चतम थी इसके बाद है मध्यप्रदेश (0.74 हे०) और गुजरात (0.72 हे०) है। राज्यो का समूह जहां उपलब्धता-त्रिपुरा, पंजाब पश्चिम बंगाल, असम, हरियाण, बिहार, केरल जम्मू और कश्मीर, उत्तर प्रदेश, तमिलनाडु, आन्ध्र प्रदेश मणिपुर में से प्रति परिवार सा.स.सं. भूमि 0.17 हे० से कम थी। ऐसे पांच राज्य अर्थात कर्नाटक, सिक्किम, उड़ीसा, महाराष्ट्र और हिमाचल प्रदेश है जिनकी सा.स.सं. भूमि की उपलब्धता 0.25 हे० से 0.33 हे० के बीच है। भौगोलिक क्षेत्र के संबंध में सा.स.सं. भूमि का प्रतिशत, यह देखा गया है कि उन राज्यो में 1% (त्रिपुरा और पश्चिम बंगाल) से 32 प्रतिशत (राजस्थान में) तक की भिन्नता देखी गयी है जिनके लिए भौगोलिक क्षेत्र प्रा.ज.सा. से उपलब्ध है।

सारणी टी 3 : विभिन्न राज्यो में सा.स.सं. भूमि की उपलब्धता

राज्य	प्रति परिवार स्वामित्व वाले क्षेत्र (हे॰)	प्रति परिवार सा.स.सं. भूमि(हे॰)	भौगोलिक क्षेत्र के लिए सा.स.सं. भूमि का प्रतिशत @
आन्ध्र प्रदेश	0.67	0.17	9
अरुणाचल प्रदेश	1.52	1.15	–
असम	0.79	0.05	7
बिहार	0.59	0.08	8
गुजरात	1.17	0.72	27
हरियाणा	1.00	0.05	3
हिमाचल प्रदेश	0.73	0.33	12
जम्मू और कश्मीर	0.68	0.14	–
कर्नाटक	1.23	0.25	10
केरल	0.28	0.12	–
मध्य प्रदेश	1.52	0.74	22
महाराष्ट्र	1.08	0.30	11
मणिपुर	0.66	0.17	–
मेघालय	1.02	0.72	–
मिजोरम	0.36	4.37	–
नागालैण्ड	2.68	1.49	8
उड़ीसा	0.58	0.28	11
पंजाब	0.94	0.02	1
राजस्थान	2.21	2.04	32
सिक्किम	0.49	0.25	14
तमिलनाडु	0.35	0.16	12
त्रिपुरा	0.30	0.01	1
उत्तर प्रदेश	0.74	0.14	12
पश्चिम बंगाल	0.33	0.03	2
भारत	0.84	0.31	15

@ इस स्तम्भ में डैस (–) यह संकेत देता है कि गाँव-वार भौगोलिक क्षेत्र पीसीए, 1991 से उपलब्ध नहीं है। केरल के लिए सर्वेक्षण में संग्रहित आकड़े पंचायत वार्ड से सम्बन्धित है न कि सम्पूर्ण गांव से जिससे वे सम्बन्धि है।

1.2.9 सारणी द्वारा व्यक्त महतव की एक अन्य विशेषता भूमि संसाधनो के सम्बन्ध में निजी सम्पत्ति और सामान्य सम्पत्ति के बीच सम्बन्ध है। प्रति परिवार वाले औसत क्षेत्र के पांच उच्चतम आकड़े नागालैण्ड (2.68 हे०) राजस्थान (2.21 हे०)अरूणाचल प्रदेश (1.52 हे०) मध्य प्रदेश (1.52 हे०) और गुजरात (1.17 हे०) के लिए सूचित किए गए थे। सामान्य भूमि की उपलब्धता के अनुमान भी इन सभी राज्यो में सापेक्षिक रूप से उच्च है। स्वामित्व वाली औसत भूमि और प्रति व्यक्ति सामान्य भूमि के राज्य-स्तर अनुमानो के बीच अवलोकित सकारात्मक संसर्ग निसन्देह रूप से तथ्य के कारण है कि जनसंख्या दबाव जो प्रति परिवार स्वामित्व वाली भूमि की मात्रा को सीमित करती है। प्रति परिवार उपलब्ध सा.स.सं. भूमि की मात्रा को भी सीमित करती है।

1.2.10 विभिन्न कृषि-जलवायु क्षेत्रों में सा.स.सं. भूमि की भिन्न-भिन्न उपलब्धता: हाल ही के वर्षो में अध्यताओं द्वारा किए गए सामान्य सम्पत्ति संसाधनो पर क्षेत्र अध्ययनो की बड़ी संख्या यह दर्शाती है कि सा.स.सं. की उपलब्धता और उपभोगता कृषि-जलवायु परिस्थितियों और एक ही के अन्दर राज्य भिन्न है, यह जांच करने के लिए कि कैसे सा.स.सं. पर निर्भरता और उपलब्धता कृषि-जलवायु घटक पर निर्भर करती है, वर्तमान सर्वेक्षण के परिणाम देश के विभन्न कृषि-जलवायु क्षेत्रो के लिए अलग से दिए गए हैं। इस अंक के खण्ड-II में दी गयी विस्तृत सांख्यिकीय सारणियां प्रत्येक राज्य के विभिन्न कृषि-जलवायु क्षेत्रों के लिए अनुमान देती है, जब कभी प्रतिदर्श आकार इसकी इजाजत देते है। इस उद्देश्य के लिए, आठवी योजना का गठन करते समय, सम्पूर्ण देश का योजना आयोग की परिभाषा के अनुसार 15 कृषि-जलवायु क्षेत्रों (ए-सी जोन)में विभक्त किया गया है। इन ए-सी-जोन ने राज्य सीमाओ को बांट दिया है। इन ए-सी-जोन के गठन के विवरण वर्तमान अंक के खण्ड-I के अनुभाग पांच में दिया गया है।

1.2.11 सारणी टी 4 में दी गयी प्रति परिवार सा.स.सं. भूमि और कुल भौगोलिक क्षेत्र में सा.स.सं. भूमि के प्रतिशत का अनुमान देश के विभिन्न ए-सी जोन में सा.स.सं. की उपलब्धता का संकेत देते हैं। यह देखा गया है कि विधित: दृष्टिकोण में सा.स.सं. के रूप में विचार किए गए भौगोलिक क्षेत्र का प्रतिशत था। रेगिस्तान के पश्चिम सूखा क्षेत्र (टीडी) में निचले गंगा मैदान (एलजी) 1 प्रतिशत से 38 प्रतिशत से 38 प्रतिशत से अधिक परिधि में भिन्न-भिन्न हैं। प्रति परिवार उपलब्ध सा.स.सं. भूमि एलजी में 0.02 हे० से टीडी में 4.77 हे० तक के वृहतरूप में भी भिन्न है। प्रति परिवार अनुमानित सा.स.सं. भूमि वास्तव में अन्य जोन से टीडी में अधिक उच्चतर है। गुजरात तट, मैदान और पहाड़ी (जीसी) के अर्ध-सूख क्षेत्र सा.स.सं. भूमि की उपलब्धता के सम्बन्ध में टीडी के बहुत नजदीक है। लेकिन जीसी (0.71) में परिवार सा.स.सं. भूमि उस टीडी के क्षेत्र से बहुत छोटी होना पायी गयी है। इन दोनो क्षेत्रो के लिए कुल भौगोलिक क्षेत्र के लिए सा.स.सं. के प्रतिशत के अनुमान के बीच अन्तर यद्यपि, प्रति परिवार सा.स.सं. भूमि के समान वृहत्त रूप से भिन्न नहीं है। टीडी में अनुमानित प्रति परिवार सा.स.सं. भूमि का अपवादिक उच्च मूल्य राजस्थान के प्रतिदर्श में दो भौगोलिक रूप से बड़े गांवो के कारण है।

1.2.12 सारणी टी 4 में दिए गए सा.स.सं. भूमि की प्रति परिवार उपलब्धता के अनुमान हाल ही के समय में किए गए सा.स.सं. पर क्षेत्र अध्ययनो के निष्कर्षो की पुष्टि करती है। यह देखा गया है कि सा.स.सं. भूमि देश के सूखे ओर अर्ध-सूखे क्षेत्रों में भौगोलिक क्षेत्र का 9 प्रतिशत से 38

सारणी टी 4 : प्रति परिवार और प्रति व्यक्ति सा.स.सं. भूमि की उपलब्धता और भौगोलिक क्षेत्र के लिए सा.स.सं. भूमि का प्रतिशत

कृषि–जलवायु क्षेत्र	भौगोलिक क्षेत्र के लिए सा.स.सं. भूमि का प्रतिशत	प्रति परिवार सा.स.सं. भूमि (हे०)	औसत परिवार आकार	प्रति व्यक्ति सा.स.सं. भूमि (हे०)
निचला गंगा मैदान (एलजी)	1	0.02	5.02	0.00
ऊपरी गंगा मैदान (यूजी)	2	0.03	5.38	0.01
मध्य गंगा मैदान (एमजी)	8	0.07	5.69	0.01
ट्रांस–गंगा मैदान (टीजी)	5	0.07	5.61	0.01
सभी द्वीप समूह (द्वीप समूह)	9	0.12	4.41	0.3
पूर्वी तट मैदान और पहाड़ी (ईजी)	12	0.15	4.28	0.04
पश्चिम तट मैदान और पहाड़ी (डब्ल्यूसी)	10	0.16	4.57	0.04
पूर्वी हिमालय और ब्रह्मपुत्र घाटी (इएचएम)	5	0.18	5.08	0.4
दक्षिण पठार और पहाड़ी (डीपी)	9	0.18	4.36	0.04
पश्चिम पठार और पहाड़ी (डब्लूएचजी)	10	0.29	5.10	0.06
पूर्वी पठार मैदान और पहाड़ी (ईएचजी)	19	0.44	4.78	0.09
पश्चिम हिमालय (डब्लूएचएम)	33	0.49	5.00	0.10
केन्द्रीय पठार और पहाड़ी (सीएचजी)	20	0.65	5.23	0.12
गुजरात तट मैदान और पहाड़ी (जीसी)	27	0.71	4.95	0.14
पश्चिम सुखा क्षेत्र (टीडी)	38	4.77	5.75	0.83
भारत	15	0.31	5.04	0.06

प्रतिशत तक की परीधि में है। प्रति परिवार सा.स. सं. भूमि की उपलब्धता भी सापेक्षित रूप से इन क्षेत्रो में अधिक थी। ए–सी जोन टीडी और जीसी के अतिरिक्त प्रति परिवार सा.स.सं. भूमि केन्द्रीय पठार और पहाड़ी (सीएचजी) और पश्चिम पठार और पहाड़ी (डब्ल्यूएचजी) जैसे अर्ध–सूखे क्षेत्रों में भी उच्च है। प्रति परिवार सा.स.सं. भी ए–सी जोन पश्चिम हिमालय (डब्लूएचएम) और पूर्वी पठार और पहाड़ी (इएचजी) में उच्च होना पाया गया था। ये दोनो ए–सी जोन सामुदायिक प्रबन्धन की वन भूमि और पारम्परिक संस्थानो के लिए बडे रास्तो वाले है। सापेक्षिक रूप से निम्न प्रति परिवार सा.स.सं. सहित केवल सूखे उष्णकटिबन्धीय ए–सी जोन दक्षिण पठार और पहाड़ियों (डीपी) में होना पाये गये है। तथापि, बड़े पहाड़ी रास्ते अर्थात: पूर्वी हिमालय और ब्रह्मपुत्र घाटी (इएचएम) वाले अन्य ए–सी जोन में सा.स.सं. की उपलब्धता के अपेक्षाकृत निम्न अनुमान क्षेत्र के अन्तर्गत परिवर्तन नहीं दर्शाते हैं। सारणी टी 3 से यह देखा गया है कि उत्तरी पूर्व के जनजातिय पहाड़ी राज्य भौगोलिक क्षेत्र में सा.स. सं. भूमि का उच्च प्रतिशत तो रखते है। जबकि असम में ब्रह्मपुत्र घाटी के बड़े हिस्से सहित सा.स.सं. भूमि के रूप में भौगोलिक क्षेत्र का एक

छोटा हिस्सा है। ए-सी जोन जहां सा.स.सं. भूमि की उपलब्धता बहुत निम्न (प्रति परिवार 7 हे० या कम) है अर्थात: निचला (एलजी), मध्य (एमजी), ट्रांस (टीजी) और ऊपरी (यूजी) गंगा मैदान, देश के कृषि रूप से विकसित क्षेत्रो में है और संसाधन और उर्वरकता भूमि से भरपूर है।

1.2.13 सारणी टी 5 सा.स.सं. भूमि की उच्च या संयतपूर्वक उच्च उपलब्धता सहित ए-सी जोन के लिए श्रेणी के अनुसार सा.स.सं. भूमि का प्रतिशत वितरण देती है। वर्तमान सर्वेक्षण में, क्षेत्र पर आंकड़े सा.स.सं. भूमि का चार बड़ी श्रेणियों अर्थात: (i) सामान्य चरागाह और चराई के मैदान (ii) गांव वन और बुडलोट, (iii) गांव साइट, खलिहान आदि और (iv) पंचायत या गांव के किसी समुदाय द्वारा औपचारिक रूप से काबिज अन्य बंजर या खराब भूमि, के लिए अलग से संग्रहित किए गए थे। सारणी 5 में, अलग अनुमान प्रथम दो श्रेणियों के लिए दिए गए है और अन्य दो श्रेणियों के अनुमान इकट्ठे किए गए है तथा "दोनो" कही गयी बड़ी श्रेणी के अन्तर्गत अलग से दिये गये हैं।

सारटी टी 5 सा.स.सं. भूमि की श्रेणी के अनुसार सा.स.सं. भूमि का प्रतिशत वितरण

कृषि-जलवायु जोन	स्थाई चरागाह और चराई भूमि	गांव वन और वुडलोट	अन्य	सभी
पूर्वी तट मैदान और पहाड़ी (ईजी)	20	7	73	100
पश्चिम तट मैदान और पहाड़ी (डब्ल्यूसी)	38	13	50	100
पूर्वी हिमालय और ब्रह्मपुत्र घाटी (ईएचएम)	22	50	28	100
दक्षिण पठार और पहाड़ी (डीपी)	28	11	61	100
पश्चिम पठार और पहाड़ी (डब्ल्यूएचजी)	31	24	45	100
पूर्वी पठार और पहाड़ी (ईएचजी)	30	27	45	100
पश्चिम हिमालय (डब्ल्यूएचएम)	43	31	27	100
केन्द्रीय पठार और पहाड़ी (सीएचजी)	34	18	46	100
गुजरात तट मैदान और पहाड़ी (जीसी)	28	4	68	100
पश्चिम सूखा क्षेत्र (टीडी)	4	1	95	100
भारत	23	16	61	100

1.2.14 सभी सूखे और अर्ध-सूखे ए-सी जोन में टीडी, श्रेणी को छोड़कर "सामान्य चरागाह और चराई मैदान" सा.स.सं. भूमि का एक महत्वपूर्ण संघटक होना पाया गया है। दो बहुत बड़े गावों वाले प्रतिदर्श पर आधारित, टीडी के लिए अनुमान क्षेत्र में सा.स.सं. भूमि की विभिन्न श्रेणियों का सम्बद्ध अंश दर्शाने में असफल रहे हैं। सा.स.सं. भूमि में श्रेणी "सामान्य चरागाह और चराई भूमि" का उच्चतम अंश तथापि पर्वतीय ए-सी जोन डब्ल्यूएचएम में होने की सूचना थी। यह पश्चिम घाट और तटीय क्षेत्रो के अधिक वर्षा वाले क्षेत्र ए-सी जोन पश्चिम तट मैदानो और पहाडियों में भी अपेक्षाकृत अधिक थे।

1.2.15 "गांव वन और बुडलोट" ए-सी जोन, पूर्वी हिमालय और ब्रह्मपुत्र घाटी (इएचएम), (50%), पश्चिम हिमालय (डब्ल्यूएचएम), (31%) और पूर्वी पठार ओर पहाड़ियों (27%) का सा.स.सं. भूमि का एक महत्वपूर्ण घटक के

1.3 सामान्य सम्पत्ति संसाधनों पर निर्भरता:

1.3.1 सा.स.सं. ग्रामीण अर्थ-व्यवस्था में एक महत्वपूर्ण भूमिका अदा करते है ओर कई प्रकार से इसकी जनसंख्या को लाभ पहुंचाते है। उनसे उपलब्ध जलाऊ लकड़ी और झाड़ियां खाना बनाने और गरम करने के लिए प्रयोग की जाती हैं। घास, पत्तियों और झाड़ियों को जानवरो के चारे के रूप में बांस , छोटी लकड़ी और ताड़ पत्तियां घर के लिए और फलो की विविधता, सब्जियां और मछली, जूस के लिए विशेषत: अकाल मौसम में प्रयोग की जाती है। सा.स.सं. भी फार्म और परिवार उद्यमो पर आधारित निजी सम्पत्ति के लिए महत्वपूर्ण रूप से योगदान देते है। ये सिंचाई जल, खेती के लिए घास पात ओर खाद्, चराई के लिए कच्ची सामग्री और सामान्य चरागाह उपलब्ध कराते हैं।

1.3.2 सा.स.सं. का योगदान का आकलन करने के लिए, उनसे जलाऊ लकड़ी, चारा खाद् खरपतवार, घास, खाद्य पदार्थ और दवाई जड़ी-बूटियां जैसे विभिन्न सामग्रियों के संग्रहण और गांव वासियों द्वारा उनका अन्य प्रयोगो पर आकड़े प्रतिदर्श में प्रत्येक परिवार से संग्रहित किए गए थे। एक तथ्यत: दृष्टिकोण इस उद्देश्य के लिए अपनाया गया था। सामान्य सम्पत्ति के रूप में वास्तविक रूप से प्रयोग किए गए सभी भूमि और संसाधनो को इस दृष्टिकोण में सा.स.सं. के रूप में माना गया थां इसलिए इस अंक में दिए गए सा. स.सं. से होने वाले लाभो पर अनुमान संग्रहण की महत्ता और सरकारी राजस्व भूमि, सरकारी वन-आरक्षित और अन्य तालाब और कुण्ड, नदियां, जलाशय और नहरे, सामान्य चरागाह गांव वन और पंचायत भूमि जैसे संसाधनो के अन्य प्रयोगो की सीमा प्रस्तुत करते है।

सारणी टी 7 : सामान्य सम्पत्ति संसाधनो का प्रयोग

	मद	अनुमान
1.	सा.स.सं. से किसी सामग्री के संग्रहण की सूचना देने वाले परिवार	48 प्रतिशत
2.	प्रति परिवार वार्षिक संग्रहण का औसत मूल्य	रू० 693
3.	खपत व्यय के औसत मूल्य के लिए संग्रहण के औसत मूल्य का अनुपात	3.02 प्रतिशत
4	सा.स.सं. पर पशुधन के चराई की सूचना देने वाले परिवार	20 प्रतिशत
5.	सामान्य जल संसाधनों के प्रयोग की सूचना देने वाले परिवार	
	(i) सिंचाई	23 प्रतिशत
	(ii) पशुधन पालन	30 प्रतिशत
	(iii) परिवार उद्यम	2.8 प्रतिशत

1.3.3 सारणी टी 7 ग्रामीण परिवारो द्वारा सा.स. सं. के प्रयोग की सीमा का संकेत देते हुए कुछ प्राथमिक मापदण्डो के अनुमान देती है। यह देखा गया है कि लगभग आधे ग्रामीण परिवार सा.स. सं. से कुछ सामग्री या अन्य का संग्रहण करते है। सा.स.सं. से प्रति परिवार वार्षिक संग्रहण का औसत मूल्य 693 रू० निकाला जाता है, जो एक ग्रामीण परिवार के औसत खपत व्यय के 3 प्रतिशत के बराबर है। सामग्रियो के संग्रहण के अलावा, ग्रामीण जनसंख्या कई अन्य रूप में सा.स.सं. से लाभ प्राप्त करती हैं। परिवारो के लगभग 1/5 ने अपने पशुधन चराने के लिए सा.स.सं. का प्रयोग किया सामान्य सम्पत्ति जल संसाधन (सा.स.ज. सं.) भी विभिन्न उद्देश्यो के लिए ग्रामीण जनसंख्या के एक बहुत बड़े भाग द्वारा प्रयोग किए गए थे। सा.स.ज.सं. का अत्याधिक महत्वपूर्ण प्रयोग,

निसन्देह रूप से कृषि भूमि की सिचाई के लिए है। परिवारो के लगभग 23 प्रतिशत ने सर्वेक्षण की पूर्ववर्ती तारीख के 365 दिनो के दौरान अपनी भूमि की सिचाई के लिए गांव के एक समुदाय या गांव पंचायत के स्वामित्व के कुण्ड, कुए या नल–कूपो या वे जो सरकार द्वारा उपलब्ध कराये गए और सरकारी नहरे, नदियां और जल–स्रोत जैसे जल संसाधनो के प्रयोग की सूचना दी है। यह कृषि आधारित निजी–सम्पत्ति में सा.स.सं. की महत्वपूर्ण संसाधन पूरक भूमिका का प्रदर्शन करते है। मात्र 36 प्रतिशत परिवार 365 दिनो के दौरान सिचाई का प्रयोग करते हुए पाये गए थे। पशुधन पालन के लिए सा.स.ज.सं. का प्रयोग भी बिलकुल सामान्य होना पाया गया था– 30 प्रतिशत परिवारो ने इस उद्देश्य के लिए सा.स.ज.सं. के प्रयोग की सूचना दी है। अन्य परिवार उद्यमो के लिए लगभग 3 प्रतिशत परिवारो ने सा.स.ज.सं. के प्रयोग की सूचना दी है।

1.3.4 वर्तमान सर्वेक्षण में, मात्रात्मक सम्बन्ध में लाभो को मापते हुए, सा.स.सं. से प्राप्त होने वाले लाभो को परिवारो की सूचना के अनुसार वास्तविक संग्रहण तक प्रतिवान्धित कर दिया था। सा.स.ज.सं. से सिंचाई जल लेने या सामान्य चरागाह पर पशुधन के चराई के द्वारा प्राप्त किए गए लाभो का परिमाण बताने के लिए कोई प्रयास नहीं किया गया था। इस भाग का शेष सा.स.सं. से वास्तविक रूप से संग्रहित सामग्रियों के मूल्य से सम्बन्धित है।

सारणी टी 8 : औसत खपत व्यय और सा.स.सं. से संग्रहण के औसत मूल्य के बीच तुलना

राज्य	सा.स.सं. से संग्रहण का औसत मूल्य (रू०)	मासिक प्रति व्यक्ति खपत व्यय (रू०)	औसत परिवार आकार	खपत व्यय के लिए संग्रहण के मूल्य का अनुपात (%)
आन्ध्र प्रदेश	554	386	4.3	2.78
असम	1071	338	5.4	4.89
बिहार	519	289	5.4	2.77
गुजरात	663	416	4.8	2.77
हरियाणा	1174	546	5.8	3.09
कर्नाटक	635	365	5.0	2.90
केरल	390	604	4.6	1.17
मध्य प्रदेश	984	326	5.1	4.93
महाराष्ट्र	799	384	4.8	3.61
उड़ीसा	929	301	4.6	5.59
पंजाब	1057	614	5.2	2.76
राजस्थान	266	452	5.4	0.91
तमिलनाडु	667	381	4.0	3.65
उत्तर प्रदेश	690	373	5.6	2.75
पश्चिम बंगाल	450	358	5.0	2.09
भारत	693	382	5.0	3.02

1.3.5 सारणी टी 8 प्रति परिवार सा.स.सं. से वार्षिक संग्रहण का अनुमानित मूल्य और प्रमुख राज्यो के लिए एक परिवार और औसत खपत व्यय के लिए उसका अनुपात देती है। अनुपात लेने के लिए प्रयोग किए गये परिवार खपत व्यय के अनुमान प्रत्येक सर्वेक्षित गांव से लिए गए परिवारो के एक विभिन्न प्रतिदर्श के साथ-साथ संग्रहित आकड़ो पर आधारित है। इसलिए सारणी में दिए गए अनुपात की गणना में लगे अनुमान उसी अवधि के सन्दर्भ में है। केवल अन्तर यह है कि खपत आकड़े 30 दिनो की सन्दर्भ अवधि में सग्रहित किये गए थे, जबकि सा.स.सं. से संग्रहण के मूल्य पर आंकड़े सर्वेक्षण की पूर्ववर्ती तारीख की 365 दिनो की सन्दर्भ अवधि से संग्रहित किए गए थे। जहां तक लाभ उनसे संग्रहित सामग्रियों के मूल्य के सम्बन्ध में मापा गया है, सारणी में दिया गया अनुपात, इसलिए, मौटे तौर पर सा. स.सं. पर निर्भरता के स्तर का संकेत देता है। नोट करने के लिए महत्वपूर्ण बात यह है कि सा.स.सं. से सभी संग्रहण खपत व्यय का भाग नहीं होता हैं। सा.स.सं. से संग्रहित सामग्री में दोनो घरेलू खपत और उद्यमीय गतिविधियों के लिए जलाऊ लकड़ी, पशुधन के रखरखाव के लिए चारा, और रस्सी बनाने और टोकरी बुनने जैसे परिवार उद्यमो के लिए कच्ची सामग्री या भोजन के रूप में प्रयोग की जाने वाली अन्य सामग्री की किस्म शामिल है। घरेलू खपत के लिए प्रयोग की जाने वाली सामग्री को खपत आकड़ा एकत्रित करते समय विचार में लाया जाता है।

1.3.6 खपत व्यय के लिए सा.स.सं. से संग्रहण के मूल्य का अनुपात राष्ट्रीय स्तर पर 3.02 प्रतिशत निकलता है। सारणी टी 8 यह दर्शाती है कि प्रमुख राज्यो में अनुपात राजस्थान में 0.91 प्रतिशत से उड़ीसा में 5.59 प्रतिशत तक भिन्न है। अनुपात मध्य प्रदेश (4.93%) और असम (4.89%) में भी अपेक्षाकृत उच्च होना पाया है। अनुपात का अपेक्षाकृत निम्न मूल्य राजस्थान के अतिरिक्त केरल (1.17%) और पश्चिम बंगाल (2.09) में देखा गया है।

1.3.7 अनुपात के तीन उच्चतम मूल्यो सहित राज्यो में, संग्रहण का मूल्य भी पूर्ण रूप से उच्च था। मध्य प्रदेश (984 रू०) और उड़ीसा (929 रू०)में वार्षिक संग्रहण का औसत मूल्य आशानुरूप क्रमश: परिवारो का 85 प्रतिशत और 75 प्रतिशत उच्च है, ये दो राज्य पहुँच के भीतर एक वन या प्रति परिवार सा.स.सं. भूमि का 0.10 हे० गांव में निहित है। असम में, अर्थात: परिवारो का लगभग 46 प्रतिशत ऐसे गांवो में निहित है, संग्रहण का औसत मूल्य 1,071 रू० था। इस सन्दर्भ में अत्याधिक महत्वपूर्ण बात यह है कि हरियाणा (1,174 रू०) और पंजाब (1,057 रू०) में संग्रहण का औसत मूल्य तीनो में उच्चतम है, यद्यपि इन दो राज्यो में परिवारो का क्रमश: केवल 35 प्रतिशत और 10 प्रतिशत उसकी पहुँच में या उसकी पहुँच में या प्रति परिवार सा. स.सं. भूमि का 0.10 हे० से अधिक वन है। राजस्थान का मामला भी समान रूप से आश्चर्यजनक है। सा.स.सं. से संग्रहण का औसत मूल्य इस राज्य में निम्नतम (266 रू.) होना पाया गया है। यद्यपि, इन परिवारो का 52 प्रतिशत, 0. 10 हे० या प्रति परिवार अधिक सा.स.सं. भूमि सहित गांवों मे निहित है और 35 प्रतिशत परिवारो का वन उनकी पहुंच के भीतर है। केरल (390 रू०) और पश्चिम बंगाल (450 रू०) जैसे सा. स.सं. से संग्रहण का अपेक्षाकृत निम्न औसत मूल्य सहित अन्य राज्यो में तथापि परिवारो को केवल छोटे खण्ड के पास उनके प्रयोग के लिए पर्याप्त सा.स.सं. भूमि या उनकी पहुँच के भीतरी एक वन है।

1.3.8 कृषि-जलवायु क्षेत्र में सा.स.सं. से संग्रहण: सारणी टी 9 सा.स.सं. से संग्रहण का मूल्य और प्रत्येक ए-सी जोन के लिए सा.स.सं.

से किसी संग्रहण की सूचना देते हुए परिवारो का प्रतिशत देती हैं। प्रतिशत निकालने के लिए, सर्वेक्षण की 365 दिन पूर्ववर्ती तारीख के दौरान जलाऊ लकड़ी, चारा, खाद्, पत्तियों, खरपतवार, शहद्, मछली और दवाई जड़ी–बूटियों जैसी सामग्रीयों के संग्रहण की कुछ मात्रा की सूचना देते हुए परिवारो को सा.स.सं. से सग्रहण करने के लिए विचार किया गया था।

सारणी टी 9 : सा.स.सं. से वार्षिक संग्रहण का औसत मूल्य और प्रत्येक कृषि–जलवायु क्षेत्र के लिए संग्रहण गतिविधि में लगे परिवारों का प्रतिशत

कृषि–जलवायु क्षेत्र	वार्षिक संग्रहण का औसत मूल्य (रू०)	संग्रहण की सूचना देने वाले परिवारो का प्रतिशत	के साथ गांव में रहने वाले परिवारो का प्रतिशत		
			पहुंच के भीतर वन	कोई वन नहीं लेकिन प्रति परिवार सा.स.सं. भूमि 0.10 हे०	दोनो में से एक
पश्चिम हिमालय (डब्ल्यूएचएम)	1939	68	83	6	89
पूर्व हिमालय और ब्रह्मपुत्र घाटी (ईएचएम)	1219	51	47	4	51
निचला गंगा मैदान (एलजी)	408	38	20	1	21
मध्य गंगा मैदान (एमजी)	464	39	16	8	24
ट्रांस गंगा मैदान (टीजी)	528	30	18	14	32
ऊपरी गंगा मैदान (यूजी)	1070	30	16	4	20
पूर्वी पठार और पहाड़ियाँ (ईएचजी)	845	73	70	9	79
केन्द्रीय पठार और पहाड़ियाँ (सीएचजी)	744	47	53	34	87
पश्चिमी पठार और पहाड़ियाँ (डब्ल्यूएचजी)	674	58	43	27	70
दक्षिणी पठार और पहाड़ियाँ (डीपी)	628	65	44	16	60
पूर्वी तट मैदान और पहाड़ियाँ (ईजी)	559	51	34	20	54
पश्चिमी तट मैदान और पहाड़ियाँ (डब्ल्यूसी)	715	31	38	2	40
गुजरात तट मैदान और पहाड़ियां (जीसी)	658	56	31	50	81
पश्चिमी सूखा क्षेत्र (टीडी)	230	13	30	50	80
सभी द्वीप समूह (द्वीपसमूह)	467	68	88	0	88
भारत	693	48	38	16	54

1.3.9 उनसे प्राप्त सामग्रियों के रूप में, सा.स.सं. से हुए लाभ: दोनो संग्रहण गतिविधि में संलग्न परिवारो का प्रतिशत और संग्रहण के औसत मूल्य के सम्बन्ध में एसी जोन में बहुत भिन्नता है। सामान्यत: यह देखा गया है कि सा.स.सं. से संग्रहण का औसत मूल्य संग्रहण की सूचना देते हुए परिवारो के प्रतिशत पर पूर्णरूप से निर्भर नहीं है। और न ही वन और सा.स.सं. भूमि की उपलब्धता के अनुसार निश्चित किए गये है। सारणी प्रति परिवार 0. 10 हे० अथवा अधिक सा.स.सं. भूमि रखने वाले गांवो में रहने वाले परिवारो और उनकी पहुँच के भीतर है। न रखने वाले परिवारो का प्रतिशत भी उपलब्ध कराती है।

1.3.10 कृषि–जलवायु क्षेत्रों में सा.स.सं. से संग्रहित सामग्रियां: सारणी टी 10 सा.स. सं. से संग्रहण के कुल मूल्य से संग्रहित विभिन्न सामग्रियों का प्रतिशत अंश देती है। सारणी में दिया गया प्रतिशत अंश सामग्रियों की तीन बड़ी श्रेणियों अर्थात: जलाऊ लकड़ी, चारा और "अन्य" के लिए है। अन्तिम श्रेणी में खाद् के रूप में प्रयोग की गई सामग्रियां फल जड़े, कन्द और वनस्पतियां, गोंद और रेजिंन, शहद और मोम चिकित्सा जड़ी बूटियाँ, मछली, पत्तियां और खरपतवार शामिल हैं। यह नोट करना महत्वपूर्ण है कि इमारती लकड़ी और पकड़ा गई समुद्री मछली का मूल्य संग्रहण के मूल्य में शामिल नहीं किया गया हैं।

सारणी टी 10 : सामग्रियों की श्रेणी के अनुसार सा.स.सं. से संग्रहण के मूल्य का प्रतिशत वितरण

कृषि–जलवायु क्षेत्र	संग्रहण के मूल्य का प्रतिशत वितरण				संग्रहण का
	जलाऊ लकड़ी	चारा	अन्य	सभी	औसत मूल्य (रू०)
पश्चिम हिमालय (डब्ल्यूएचएम)	59	39	2	100	1,939
पूर्व हिमालय और ब्रह्मपुत्र घाटी (इएचएम)	53	8	39	100	1,219
निचला गंगा मैदान (एलजी)	48	5	47	100	408
मध्य गंगा मैदान (एमजी)	52	39	9	100	464
ट्रांस गंगा मैदान (टीजी)	44	51	6	100	528
ऊपरी गंगा मैदान (यूजी)	31	69	0	100	1,070
पूर्वी पठार और पहाड़ियाँ (ईएचजी)	64	4	31	100	845
केन्द्रीय पठार और पहाड़ियाँ (सीएचजी)	62	18	20	100	744
पश्चिमी पठार और पहाड़ियाँ (डब्ल्यूएचजी)	68	25	7	100	674
दक्षिणी पठार और पहाड़ियाँ (डीपी)	72	18	10	100	628
पूर्वी तट मैदान और पहाड़ियां (ईजी)	65	18	17	100	559
पश्चिम तट मैदान और पहाड़ियाँ (डब्ल्यूसी)	49	13	38	100	715
गुजरात तट मैदान और पहाड़ियां (जीसी)	61	30	9	100	658
पश्चिमी सूखा क्षेत्र (टीडी)	71	29	0	100	230
सभी द्वीप समूह (द्वीपसमूह)	79	3	18	100	467
भारत	58	25	17	100	693

1.3.11 अनुमान यह संकेत देते हैं कि जलाऊ लकड़ी सा.स.सं. से संग्रहण का प्रमुख भाग (58%) है। चारा 25 प्रतिशत और अन्य 17 प्रतिशत है। संग्रहण के कुल मूल्य में जलाऊ लकड़ी का सर्वाधिक अंश यूजी और टीजी को छोड़कर सभी ऐसी जोन में एक सामान्य विशेषता है। इन दो कृषि रूप से विकसित क्षेत्रों में, चारे का अंश 50 प्रतिशत से अधिक था। संग्रहण के कुल मूल्य (39 प्रतिशत) में चारे का एक अपेक्षाकृत उच्च अंश दो अन्य ऐसी क्षेत्रों, अर्थात: डब्ल्यूएचएम और एमजी में भी देखा गया था। श्रेणी "अन्य" ऐसी जोन एलजी (47 प्रतिशत), ईएचएम (39 प्रतिशत) डब्ल्यू सी (38%) और ईएचजी (31%) में संग्रहण का एक महत्वपूर्ण भाग था।

1.3.12 परिवारों की श्रेणियों में संग्रहण के मूल्य में भिन्नताएं: यह व्यापक रूप से स्वीकार किया जाता है कि ग्रामीण निर्धन अपने जीवन निर्वाह के लिए सा.स.सं. से उपलब्ध सामग्री पर स्थायी रूप से निर्भर हैं। इस मुद्दे की जांच के एक प्रयास में परिवारों की विभिन्न श्रेणियों हेतु पृथक-पृथक सा.स.सं. के प्रयोग से सम्बद्ध सर्वेक्षण परिणाम दिए गए हैं। इस प्रायोजन के लिए परिवारों को निम्नानुसार पांच वृहद श्रेणियों में वर्गीकृत किया गया था।

1.	ग्रामीण श्रमिक परिवार :	श्रमिको को भुगतान की गई मजदूरी से परिवार की आय का बृहद भाग वाले परिवार
2.	0.20 हेक्टेयर से कम	भूमि वाले अन्य परिवार
3.	0.20 हे० से 0.50 हे०	वाले अन्य परिवार
4.	0.50 हे० से 1.00 हे०	वाले अन्य परिवार
5.	1.00 हे० या इससे अधिक	भूमि वाले अन्य परिवार

1.3.13 सारणी टी 11 सार्वजनिक सम्पत्ति संसाधन से संग्रहण से औसत मूल्य तथा परिवार की प्रत्येक श्रेणी के लिए सामग्री की बृहद श्रेणी के अनुसार वितरण प्रतिशत दर्शाती है। समूचे तौर पर यह देखा गया है कि ग्रामीण परिवारों के संग्रहण का औसत मूल्य (777 रूपये) अन्य परिवारों (630 रूपये) से उच्चतर मानी गई थी। सारणी से यह भी पता चलता है कि दूसरी श्रेणी के परिवारो को अर्थात 0.20 हे० से कम भूमि वाले परिवारों को छोड़ते हुए जैसे ही हम प्रथम श्रेणी अर्थात ग्रामीणश्रमिक परिवारों से पांचवी श्रेणी अर्थात 1 हे० या अधिक भूमि के स्वामित्व वाले अन्य परिवारों की ओर जाते हैं औसत मूल्य में कमी आई है। दूसरी श्रेणी के परिवारों में थोड़ी या भूमिहीन के साथ गैर कृषि कार्यकलापों में लगे सभी परिवारों के साथ-साथ भूमि के लघु क्षेत्र पर कृषि कार्यकलापों पर निर्भर परिवार शामिल हैं। अत: जहां तक परिवारों की श्रेणी का द्योतक है संग्रहण के मूल्य और जीवनयापन स्तर के मध्य सामान्यत: नकारात्मक पाए गए संबंध को छोड़कर श्रेणियों में भिन्न-भिन्न परिवारों की श्रेणियां शामिल हैं।

सारणी टी 11 : सामग्री की बृहद श्रेणी के अनुसार सार्वजनिक सम्पति संसाधनों से संग्रहण के मूल्य प्रतिशत वितरण

परिवारों की श्रेणी	सामग्री-श्रेणी के अनुसार प्रतिशत वितरण				प्रति परिवार संग्रहण का मूल्य (रूपये)
	जलाऊ लकड़ी	चारा	अन्य	सभी	
ग्रामीण श्रमिक	61	25	14	100	777
अन्य भूमिधारक (हे०)					
0.20 से कम	47	21	32	100	588
0.20-0.50	57	27	16	100	749
0.50-1.00	53	29	18	100	679
1.00 या इससे अधिक	59	26	15	100	593
अन्य सभी	54	26	20	100	630
सभी परिवार	58	25	17	100	693

1.3.14 सारणी से यह भी पता चलता है कि सामान्य तौर पर संग्रहण के कुल मूल्य में जलाऊ लकड़ी का भाग जैसे–जैसे हम परिवारों की प्रथम श्रेणी से पांचवीं की ओर बढ़ते है में कमी आई है। इस मामले में भी परिवारों की द्वितीय श्रेणी इसका अपवाद है।

1.4 सा.स.सं. से प्राप्त जलाऊ लकड़ी:

1.4.1 ग्रामीणों में जलाऊ लकड़ी की आपूर्ति के एक प्रमुख स्रोत के रूप में सामान्य सम्पत्ति संसाधन ग्रामीण जनता की ऊर्जा आवश्यकताओं की पूर्ति में महत्वपूर्ण भूमिका निभाते हैं। ग्रामीण परिवारों का एक बड़ा भाग आज भी विशेषतौर पर खाना पकाने और गरम करने हेतु जलाऊ लकड़ी हेतु गोवर के उपलों पर निर्भर है। जलाऊ लकड़ी की बढ़ती हुई आवश्यकताओं तथा इसके फलस्वरूप देश में वानस्पतिक कमी अब काफी समय से गंभीर समस्या का कारण बनती जा रही है। किन्तु, जैसा कि योजना आयोग ने पाया है ग्रामीण क्षेत्रों में आपूर्ति तथा ऊर्जा के उपभोग के पैटर्न संबंधी कोई सही आंकड़े नहीं हैं। इस संबंध में सा.स.सं. की भूमिका दर्शाने वाले भी कोई आंकड़े नहीं है। मौजूदा जांच राज्य और विषयक क्षेत्र से सा.स.सं. से जलाऊ लकड़ी के संग्रहण के अनुमान दर्शाने का एक प्रयास है, जैसाकि योजना आयोग ने निर्धारित किया है।

सारणी टी 12 : सा.स.सं. से जलाऊ लकड़ी का संग्रहण तथा उनकी बिक्री

	मद	अनुमान
1.	जलाऊ लकड़ी का प्रयोग सूचित करने वाले परिवारों का प्रतिशत	62%
2.	सा.स.सं. से जलाऊ लकड़ी का संग्रहण सूचित करने वाले परिवारों का प्रतिशत	45%
3.	सा.स.सं. से संग्रहित जलाऊ लकड़ी की बिक्री सूचित करने वाले परिवारों का प्रतिशत	1%
4.	365 (दिनों) के दौरान जलाऊ लकड़ी (कि०ग्रा०) की औसत मात्रा	500
5.	365 दिनों के दौरान संग्रहीत जलाऊ लकड़ी (कि०ग्रा०) की औसत मात्रा	24

1.4.2 सारणी टी 12 जलाऊ लकड़ी के उपयोग तथा सा.स.सं. से इसके संग्रहण से संबंधित सर्वेक्षण अनुमान दर्शाती है। ऐसा देखा गया है कि ग्रामीण क्षेत्रों में लगभग 62 प्रतिशत परिवार जलाऊ लकड़ी का उपयोग करते है। यह अनुमान प्रत्येक सर्वेक्षित परिवार तथा किसी भी स्रोत से प्राप्त जलाऊ लकड़ी का उपयोग करने वाले परिवारों के प्रतिशत के प्रतिनिधि से जलाऊ लकड़ी के उपयोग संबंधी केवल एक सीधे से प्रश्न के उत्तरों पर आधारित है। दूसरी ओर संग्रहण और बिक्री से संबंधित अनुमान विभिन्न प्रकार की सा.स.सं. से संग्रहित जलाऊ लकड़ी को प्रमात्रा तथा उसकी बिक्री से संबंधित विस्तृत जानकारी पर आधारित है। सा.स.सं. से जलाऊ लकड़ी का संग्रहण सूचित करने वाले परिवारो का अनुमानित प्रतिशत भी इन्हीं आंकड़ो से प्राप्त किया गया है। संग्रहण करने वाले परिवारों का 45 प्रतिशत उनकी ऊर्जा आवश्यकता की पूर्ति हेतु ग्रामीण जनसंख्या की उच्चस्तर निर्भरता दर्शाता है।

1.4.3 365 दिनों के दौरान सा.स.सं. से संग्रहीत जलाऊ लकड़ी की औसत प्रमात्रा प्रति परिवार 500 कि०ग्रा० अनुमानित की गई थी। यह अनुमान अकेला ग्रामीण जनसंख्या की जलाऊ लकड़ी की उनकी आवश्यकताओं की पूर्ति हेतु सा.स.सं. निर्भरता के स्तर को नहीं दर्शा सकता है। प्रमात्राात्मक संदर्भ में निर्भरता के स्तर को मापने के लिए 365 दिनों के दौरान जलाऊ लकड़ी की उपभोग की प्रमात्रा का एक अनुमान अपेक्षित है।

मौजूदा पूछताछ ऐसा कोई अनुमान मुहैया नहीं कराती है। अत: सा.स.सं. संबंधी निर्भरता के स्तर के मूल्यांकन के एक प्रयास में संग्रहण के अनुमान का रा.प्र.सर्वे.सं. के 50 वें दौर के उपभोक्ता व्यय सर्वेक्षण से प्राप्त जलाऊ लकड़ी के उपभोग के अनुमान सारणी टी 13 दर्शाती है।

सारणी टी. 13 : रा.प्र.सर्वे 50 वां दौर, 1993–94 से प्राप्त जलाऊ लकड़ी के टुकड़ों के उपभोग का अनुमान

	मद	अनुमान
1.	जलाऊ लकड़ी और लकड़ी के टुकड़ो का प्रयोग सूचित करने वाले परिवारों का प्रतिशत	87%
2.	जलाऊ लकड़ी और लकड़ी के टुकड़ो का मासिक प्रति परिवार उपभोग (कि०ग्रा०)	
	नकद खरीद	10.67
	घर में उगाए गए	27.61
	कुल	84.55
3.	जलाऊ लकड़ी और लकड़ी के टुकड़ो का प्रति परिवार वार्षिक उपभोग (कि०ग्रा०)	1015
4.	365 दिनों के दौरान संग्रहण में से उपभोग की गई जलाऊ लकड़ी की औसत प्रमात्रा का प्राप्त मूल्य (कि०ग्रा०)	555
5.	कुल उपभोग में संग्रहण में से उपभोग का प्रतिशत	55 प्रतिशत

1.4.4 रा.प्र.सर्वे. के 50 वें दौर के उपभोक्ता व्यय सर्वेक्षण में अन्य वस्तुओं के साथ सर्वेक्षण की तारीख से प्रारंभ करके 30 दिनों के दौरान उपभोग की गई जलाऊ लकड़ी तथा लकड़ी के टुकड़ों तथा "घर में निर्मित" अर्थात परिवार के अपने संसाधनों से प्राप्त उनके भाग की प्रमात्रा तथा मूल्य संबंधी आंकड़ो संग्रहीत किए गए थे। सर्वेक्षण में खरीदी गई जलाऊ लकड़ी तथा लकड़ी के टुकड़ों की प्रमात्रा तथा मूल्य संबंधी आंकड़े भी संग्रहीत किए गए थे। उपभोग की गई कुल प्रमात्रा में खरीदी गई प्रमात्रा घर में निर्मित प्रमात्रा तथा नि:शुल्क संग्रहीत प्रमात्रा शामिल है। सारणी टी 13 दर्शाती है कि प्रति परिवार जलाऊ लकड़ी और लकड़ी के टुकड़ों का औसत मासिक उपभोग 85 कि०ग्रा० है जिसमें से लगभग 11 कि०ग्रा० खरीदा हुआ है तथा लगभग 28 कि०ग्रा० परिवार के अपने संसाधनों से प्राप्त हुआ है। अत: ऐसा प्रतीत होता है कि मासिक उपभोग का शेष 46 कि०ग्रा० संग्रहण से प्राप्त हुआ जो 555 कि०ग्रा० प्रति वर्ष बनता है। अत: जलाऊ लकड़ी और लकड़ी के टुकड़ो की परिवार की आवश्यकता का लगभग 55 प्रतिशत है जिसमें से अधिकांश सा.स.सं. से नि:शुल्क संग्रहीत माना जा सकता है।

1.4.5 हालांकि, उपभोग व्यय सर्वेक्षण के ऑकड़े जलाऊ लकड़ी के उपभोग के अनुमान पृथक–पृथक प्रदान नहीं करते है। इसमें अधिकांश अन्य बायो–मास ईंधन जैसेकि फसल के अवशिष्ट, बायोगैस, अन्य कृषि अपशिष्ट तथा गाय का गोबर शामिल है। दो सर्वेक्षणों से जलाऊ लकड़ी प्रयोग करने वाले परिवारों के प्रतिशत के अनुमानों के मध्य अंतर से यह स्पष्ट इंगित होता है कि जबकि मौजूदा सर्वेक्षण के अनमान केवल जलाऊ लकड़ी के प्रयोग से संबंधित हैं, 50वें दौर में इसके साथ

परिवारों की बायो–मास ईंधन के प्रयोग से संबंधित सूचना भी शामिल है। दो सर्वेक्षणों से प्रति परिवार संग्रहीत प्रमात्रा का अनुमान – मौजूदा दौर से 500 कि०ग्रा० ग्राम 50 वें दौर 555 कि०ग्रा० है– तथापि मोटे तौर पर ये एक ही क्रम में हैं।

सारणी टी. 14 : विभिन्न राज्यों में जलाऊ लकड़ी के उपभोग तथा संग्रहण के अनुमान

राज्य	जलाऊ लकड़ी का प्रयोग करने वाले परिवारों का प्रतिशत		संग्रहण सूचित करने वाले परिवारों का प्रतिशत	संग्रहीत औसत प्रमात्रा (54वां दौर)	उपभोग की गई औसत मात्रा (50वां दौर)
	54 वां दौर (1998)	50वां दौर (1993–94)			
आन्ध्र प्रदेश	81	94	59	545	950
अरूणाचल प्रदेश	85	96	82	5448	3786
असम	60	97	44	614	1411
बिहार	58	70	41	446	623
गुजरात	73	83	55	483	877
हरियाणा	41	90	27	306	1013
हिमाचल प्रदेश	59	91	56	1080	2346
जम्मू और कश्मीर	51	89	33	553	2234
कर्नाटक	79	96	53	484	1446
केरल	53	95	13	204	1301
मध्य प्रदेश	76	96	56	621	1673
महाराष्ट्र	67	82	59	522	776
मणिपुर	75	96	40	1157	1635
मेघालय	93	94	86	2558	2282
मिजोरम	98	99	97	6688	1532
नागालैंड	98	99	67	2972	2816
उड़ीसा	75	91	62	944	1290
पंजाब	69	74	24	550	841
राजस्थान	34	94	21	267	1368
सिक्किम	69	74	53	1805	1832
तमिलनाडु	70	93	61	497	816
त्रिपुरा	51	97	31	427	1417
उत्तर प्रदेश	51	88	33	416	813
पश्चिम बंगाल	51	73	38	324	742
भारत	62	87	45	500	1015

1.4.6 जलाऊ लकड़ी के उपयोग तथा संग्रहण में अंतर राज्यीय भिन्नता: सारणी टी-14 जलाऊ लकड़ी के प्रयोग तथा सा.स.सं. से संग्रहण के सम्बद्ध सर्वेक्षण अनुमान दर्शाती है। यह जलाऊ लकड़ी की आपूर्तिके लिए सा.स.सं. से संग्रहण संबंधी ग्रामीण जनता की निर्भरता के स्तर के बारे में एक नजरिया बनाने के साथ-साथ तुलना के लिए जलाऊ लकड़ी तथा लकड़ी के टुकड़ो के उपभोग से सम्बद्ध सर्वेक्षण परिणाम देती है। ऐसा देखा गया है कि मौजूदा सर्वेक्षण से जलाऊ लकड़ी का प्रयोग करने वाले परिवारों का प्रतिशत अनुमान सभी राज्यों के लिए 50 वें दौर से सामान्य रूप से काफी कम है। इसके अतिरिक्त, अनुमानों के दो सेटों के मध्य कोई स्पष्ट संबंध नहीं है।

1.4.7 विभिन्न राज्यों के लिए 50 वें दौर से वार्षिक उपभोग की औसत प्रमात्रा तथा मौजूदा सर्वेक्षण से जलाऊ लकड़ी के वार्षिक संग्रहण की औसत प्रमात्रा से पृथक सकारात्मक संबंधों का पता चलता हैं। तथापि, मिजोरम का मामला नोट करने लायक अपवादों में आता है। सा.स.सं. से संग्रहीत प्रमात्रा तथा उपभोग की गई प्रामात्रा के मध्य अनुपात जलाऊ लकड़ी की आपूर्ति हेतु सा.स.सं. पर निर्भरता का स्तर निर्दिष्ट करती है।

1.4.8 जलाऊ लकड़ी के प्रयोग और संग्रहण में अंतर क्षेत्र भिन्नता: सारणी टी 15 कृषि जलवायु क्षेत्र हेतु जलाऊ लकड़ी के प्रयोग तथा सा.स.सं. से संग्रहण से सम्बद्ध पृथक-पृथक सर्वेक्षण अनुमान दर्शाती है। जलाऊ लकड़ी का प्रयोग करने वाले परिवारों तथा जलाऊ लकड़ी का संग्रहण करने वाले परिवारों दोनों का प्रतिशत (देखें खण्ड-II) ए-सी क्षेत्रों में डब्ल्यूएचएम, ईएचजी, डीपी, जीसी तथा द्वीप समूह में अपेक्षाकृत उच्च पाया गया था। दूसरी ओर, जलाऊ लकड़ी का प्रयोग करने वाले परिवारों के साथ-साथ जलाऊ लकड़ी के संग्रहण करने वाले परिवारों का प्रतिशत ए-सी क्षेत्र एलजी, एमजी तथा टीडी में अपेक्षाकृत कम था। इनके अतिरिक्त जलाऊ लकड़ी के कम प्रतिशत संग्रहण वाले परिवार ए-सी क्षेत्रों के डब्ल्यूसी, टीजी तथा यूजी में भी सूचित किए गए थे। सारणी में दिए गए सा. स.सं.से जलाऊ लकड़ी के वार्षिक संग्रहण में प्रति परिवार प्रमात्रा के अनुमान ए-सी क्षेत्रों में एक व्यापाक भिन्नता दर्शाते हैं ए-सी क्षेत्रों में तीन उच्चतम औसत डब्ल्यूएचएम (1203 कि०ग्रा०), ईएचएम (911 कि०ग्रा०) तथा ईएचजी (848 कि०ग्रा०) सूचित की थी। ए-सी क्षेत्र में टीडी की निम्नतम औसत थी। गंगा के तीन क्षेत्र एलजी (260 कि०ग्रा०) एमजी (338 कि०ग्रा०) तथा टीजी (283 कि०ग्रा०) में अपेक्षाकृत कम औसत भी सूचित की गई थी।

1.4.9 एकीकृत ग्रामीण योजना कार्यक्रम (ए.ग्रा.यो.का.) के अनुभवों से पता चलता है कि ऊर्जा के गैर-वाणिज्यिक स्रोतो से सभी ए-सी क्षेत्रों के ग्रामीण क्षेत्रों में खाना पकाने के लिए ए-सी क्षेत्र के इसी और गंगा (के क्षेत्रों को छोड़कर) उपभोग की गई कुल ऊर्जा के 90 प्रतिशत से भी अधिक का योगदान है। सातवीं योजना में इस कार्यक्रम के अंतर्गत शामिल 250 ब्लाकों में जलाऊ लकड़ी के औसत प्रति व्यक्ति वार्षिक उपभोग प्रत्येक ए-सी क्षेत्रों के लिए अनुमानित किए गए थे। सारणी टी 16 मौजूदा सर्वेक्षण से प्राप्त अनुमानों के साथ-साथ ए.ग्रा.यो.का. से प्राप्त जलाऊ लकड़ी के प्रति व्यक्ति वार्षिक उपभोग के अनुमान दर्शाती है। यह दर्शाता है कि तीन जोन डब्ल्यूएचएम, ईएचएम तथा ईएचजी जहां प्रति व्यक्ति संग्रहण काफी उच्च अनुमानित किया गया था ए.ग्रा.यो.का. में प्रति व्यक्ति उपभोग भी काफी उच्च अनुमानित था। हालांकि डब्ल्यूसी और टीडी जोनों में प्रति व्यक्ति उपभोग अपेक्षाकृत उच्च अनुमानित था फिर भी इन दो जानों में प्रति व्यक्ति संग्रहण काफी कम अनुमानित किया था।

सारणी टी. 15 : जलाऊ लकड़ी का प्रयोग करने वाले तथा सा.स.सं. से जलाऊ लकड़ी का संग्रहण सूचित करने वाले परिवारों का प्रतिशत तथा प्रति परिवार वार्षिक संग्रहण का औसत मूल्य

कृषि जलवायु क्षेत्र	परिवारों का प्रतिशत		प्रति परिवार औसत संग्रहीत प्रमात्रा (कि०ग्रा०)
	जलाऊ लकड़ी का प्रयोग करने वाले	सा.स.सं. से जलाऊ लकड़ी का संग्रहण करने वाले	
पश्चिम हिमालय (डब्ल्यूएचएम)	73	67	1203
पूर्व हिमालय और ब्रह्मपुत्र घाटी (इएचएम)	57	43	911
निचला गंगा मैदानी क्षेत्र (एलजी)	50	34	260
मध्य गंगा मैदानी (एमजी)	46	32	338
गंगा के पर मैदान (टीजी)	53	26	283
गंगा के ऊपरी मैदानी भाग (यूजी)	54	24	415
पूर्वी पठार और पहाड़ियाँ (ईएचजी)	78	71	848
केन्द्रीय पठार और पहाड़ियाँ (सीएचजी)	62	45	485
पश्चिमी पठार और पहाडी (डब्ल्यूएचजी)	69	57	516
दक्षिणी पठार और पहाड़ी (डीपी)	80	64	565
पूर्व तटीय मैदानी और पहाड़ी (डब्ल्यूसी)	69	48	465
पश्चिम तटीय मैदान और पहाड़ी (ईजी)	59	27	358
गुजरात तटीय मैदान और पहाड़ी (जीसी)	73	55	480
पश्चिमी शुष्क क्षेत्र (टीडी)	45	11	219
सभी द्वीप (द्वीप)	74	64	822
भारत	62	45	500

सारणी टी. 16: रा.प्र.सर्वे. के 54वें दौर में अनुमानित सा.स.सं. से प्रति व्यक्ति वार्षिक जलाऊ लकड़ी का संग्रहण तथा प्रत्येक कृषि जलवायु क्षेत्र हेतु एकीकृत ग्रामीण योजना कार्यक्रम में अनुमानित जलाऊ लकड़ी का प्रत्येक व्यक्ति वार्षिक उपभोग के मध्य तुलना

कृषि जलवायु क्षेत्र	प्रत्येक परिवार संग्रहीत प्रमात्रा	औसत परिवार आकार (0.00)	प्रति व्यक्ति संग्रहण (रा.प्र.सर्वे. का 54 वां दौर	प्रति व्यक्ति उपभोग (ए.ग्रा.यो.का.*)
पश्चिमी हिमालय (डब्ल्यूएचएम)	1203	5.00	241	710
पूर्वी हिमालय और ब्रह्मपुत्र घाटी (इएचएम)	911	5.08	179	621
निचला गंगा मैदानी क्षेत्र (एलजी)	260	5.02	52	-
मध्य गंगा का मैदानी (एमजी)	338	5.69	59	275
गंगा के पर मैदान (टीजी)	283	5.61	50	136
गंगा का ऊपरी मैदानी भाग (यूजी)	415	5.38	77	130
पूर्वी पठार और पहाड़ियाँ (ईएचजी)	848	4.78	177	582
मध्य पठार और पहाड़ी (सीएचजी)	485	5.23	93	-
पश्चिमी पठार और पहाड़ी (डब्ल्यूएचजी)	516	5.10	101	288
दक्षिणी पठार और पहाड़ी (डीपी)	565	4.36	130	225
पूर्वी तटीय मैदानी और पहाड़ी (डब्ल्यूसी)	465	4.28	109	218
पश्चिम तटीय मैदान और पहाड़ी (ईजी)	358	4.57	78	469
गुजरात तटीय मैदान और पहाड़ी (जीसी)	480	4.95	97	336
पश्चिमी शुष्क क्षेत्र (टीडी)	219	5.75	38	394
सभी द्वीप (द्वीप)	822	4.41	164	-
भारत	500	5.04	99	-

*ए.ग्रा.यो.का. का अर्थ है "एकीकृत ग्रामीण योजना कार्यक्रम"

1.4.10 जलाऊ लकड़ी का प्रयोग तथा गांवो की जनसंख्या के आकार के अनुसार सा.स.सं. से इसका संग्रहण: इस बात का पता लगाने के लिए कि क्या गांव के विकास स्तर-इसके उपयोग की सीमा निर्धारित करने तथा जलाऊ लकड़ी के संग्रहण एक निहित तथ्य है प्रयोग सूचित करने वाले परिवारों का अनुमानित प्रतिशत तथा जिन्होंने संग्रहण की सूचना दी है को गांव की जनसंख्या के आकार वर्ग अनुसार जो गांव के विकास के स्तर हेतु एक अच्छा अप्रत्यक्ष कारण है सारणी टी. 17 में दी गई है। अनुमानों से स्पष्ट पता चलता है कि एक गांव की जनसंख्या जितनी कम होती है उतना ही जलाऊ लकड़ी के संग्रहण के साथ-साथ इसका प्रयोग भी ज्यादा है यह दर्शाता है कि कम जनसंख्या वाले गांवों में ऊर्जा के स्रोत के रूप में लकड़ी पर निर्भरता उच्चतर है।

सारणी टी 17 : गांवो की जनसंख्या के आकार–वर्ग के अनुसार जलाऊ लकड़ी का प्रयोग तथा सा.स.सं. से जलाऊ लकड़ी का संग्रहण

गांव की जनसंख्या का आकार–वर्ग	सूचित करने वाले परिवारों का प्रतिशत	
	जलाऊ लकड़ी का प्रयोग	सा.स.सं. से जलाऊ लकड़ी का संग्रहण
100 से कम	93	88
10–200	78	71
201–600	66	53
601–1200	64	48
1201–2000	61	45
2001–5000	60	41
5001 और इससे अधिक	55	37
सभी	62	45

1.5 सा.स.सं. से चारा

1.5.1 पशुधन के चारे के लिए सा.स.सं. संबंधी निर्भरता: सारणी टी. 18 में दिए अनुमानों से यह पाया गया है कि पशुधन के चारे के लिए ग्रामीण भारत विशेषतौर सा.स.सं. पर निर्भर है अर्थात गांव के जंगल सामान्य चारागाह, गांव के बाहर तथा खलिहान, ऊसर या बंजर भूमि आदि, समस्त भारत स्तर पर यद्यपि 56 प्रतिशत ग्रामीण परिवार ने पशुधन होना सूचित किया है। 20 प्रतिशत परिवार पशुधन को चराने के लिए सा.स.सं. भूमि पर निर्भर है, 13 प्रतिशत परिवारों से सा.स.सं. से चारा संग्रहण किया तथा केवल (2 प्रतिशत) एक लघु प्रतिशत ने ही सा.स.सं. भूमि पर चोर के खेती करनी सूचित की है।

सारणी टी. 18 : पशुधन को चराने के लिए सा.स.सं. पर निर्भरता

मद	अनुमान
परिवारों का प्रतिशत	
पशुधन का स्वामित्व	56
सा.स.सं. से चोर का संग्रहण	13
सा.स.सं. पर चराने की सूचना	20
चारे की खेती	2
सा.स.सं. से चारा संग्रहण की औसत मात्रा (कि.ग्रा.)	275

1.5.2 परवर्ती पैराग्राफों में व्यापक भिन्नता जो राज्य में (सारणी टी. 19) विभिन्न कृषि मौसम आंचल के बीज मौजूद है से संबंधित सर्वेक्षण परिणामों पर विचार करती है।

सारणी टी. 19 : विभिन्न राज्यों में पशुधन को चराने के लिए सा.स.सं. के उपभोग की सीमा

राज्य	परिवारों का प्रतिशत			संग्रहीत		समीप के जंगल	(0.10 हे० से से अधिक) सा.स.सं. वाले परिवारों का %
	पशुधन का स्वामित्व	चराने की सूचना	पशुधन का स्वामित्व तथा चराने की	चारे का संग्रहण	औसत प्रमात्रा (कि.ग्रा.)		
आन्ध्र प्रदेश	36	14	38	12	143	38	20
अरूणाचल प्रदेश	68	26	38	6	44	84	10
असम	62	24	38	15	180	41	5
बिहार	52	16	30	13	177	27	4
गुजरात	59	25	42	8	207	31	51
हरियाणा	74	15	20	26	1743	29	6
हिमाचल प्रदेश	81	35	43	36	906	80	4
जम्मू और कश्मीर	81	25	31	3	48	55	15
कर्नाटक	56	25	44	16	179	41	25
केरल	32	3	9	5	63	19	1
मध्य प्रदेश	68	42	62	9	205	57	28
महाराष्ट्र	46	11	24	11	207	54	18
मणिपुर	39	11	28	6	217	42	9
मेघालय	37	6	16	2	51	92	5
मिजोरम	55	5	10	21	214	100	0
नागालैंड	86	16	18	22	259	65	20
उड़ीसा	58	35	60	7	57	70	8
पंजाब	55	1	2	18	1095	06	4
राजस्थान	84	28	34	3	59	35	52
सिक्किम	61	2	3	33	1401	86	3
तमिलनाडु	29	9	30	7	156	43	16
त्रिपुरा	36	4	10	1	26	69	0
उत्तर प्रदेश	72	22	30	23	579	28	13
पश्चिम बंगाल	54	17	31	9	55	22	1
भारत	56	20	35	13	275	38	63

(सारणी टी 21) परिवारों की श्रेणियां (सारणी टी 20) गांवों की जनसंख्या आकार वर्ग आदि पशुधन वाले परिवारों के प्रतिशत के संदर्भ पशुधन के चराने के संदर्भ में पशुओं को चराने के लिए वनों तथा चारे के संग्रहण के लिए सा.स.सं. की सुलभता। जैसाकि संभावना है कि पशुधन को चराने के लिए सा.स.सं. पर निर्भरता के संबंध में तथा परिवारों को श्रेणी और आकार वर्ग में भी उपन्तिक भिन्नता पाई गई हैं।

1.5.3 अन्तर राज्यीय भिन्नता : सारणी टी 19 पशुधन को चराने के लिए सा.स.सं. के प्रयोग की सीमा सहित पशुधन रखने वाले परिवारों का प्रतिशत दर्शाने वाले राज्य स्तर अनुमानों के महत्वपूर्ण पैरामीटर देती है। सारणी से यह पाया

गया है कि चारे के संग्रहण के तथा सा.स.सं. भूमि पर पशुधन को चराने के संदर्भ में पशुधन को चराने के लिए सा.स.सं. पर भी वही राज्य ज्यादा निर्भर है। राजस्थान (84 प्रतिशत) हिमाचल प्रदेश (81 प्रतिशत) उत्तर प्रदेश (72 प्रतिशत), मध्य प्रदेश (68 प्रतिशत) तथा उड़ीसा(58 प्रतिशत) जैसे राज्यों ने पशुधन पालने वाले अपेक्षाकृत उच्च प्रतिशत (राष्ट्रीय औसत 56 प्रतिशत से सभी ऊपर) है सूचित किया। इन के परिवारों ने पशुधन चराने के लिए सा.स.सं. भूमि के प्रयोग का उच्च प्रतिशत (34%, 43%, 30%, 62%, 60%) सूचित किया है। हरियाणा, हिमाचल प्रदेश, सिक्किम तथा उत्तर प्रदेश ने पशुधन धारक परिवारों का प्रतिशत काफी उच्च सूचित करने के अतिरिक्त सीपीआर भूमि से चारा संग्रहण करने वाले परिवारों का प्रतिशत अपेक्षाकृत उच्च (क्रमश: 26%, 36%, 33%, 23%) है। इन राज्यों हरियाणा और सिक्किम में भी चारा संग्रहण की औसत प्रमात्रा काफी उच्च क्रमश: वार्षिक संग्रहण 1743 कि०ग्रा० चारा है यह पशुधन को चराने के लिए सा.स.सं. निर्भरता दर्शाता है। यह रोचक लगता है कि हालांकि पंजाब में सा.स.सं. से चारा संग्रहण काफी उच्च (1095 कि०ग्रा० है) सा.स.सं. भूमि पर पशु चराना निम्नतम, सा.स.सं. भूमि पर पशुधन को चराना केवल 1 प्रतिशत परिवारों ने सूचित किया है तथा सा.स.सं. भूमि से चारे का संग्रहण 18 प्रतिशत परिवारों ने सूचित किया है।

1.5.4 दूसरी ओर, उत्तर-पूर्वी क्षेत्र के राज्यों अर्थात मेघालय, मिजोरम, नागालैंड तथा त्रिपुरा में अधिकांश परिवारों का (क्रमश: 92%, 100%, 65%, तथा 69%) वन के अंतर्गत सा.स.सं. भूमि तक पहुंच है परन्तु वे पशुधन को चराने के लिए या चारा संग्रहण के लिए सा.स.सं. भूमि पर ज्यादा निर्भर नहीं हैं। इसके अतिरिक्त, नागालैंड को छोड़कर जहां पशुधन को धारण करने वाले परिवारों का प्रतिशत 86 प्रतिशत है, इन राज्यों में पशुधन धारक परिवारो का प्रतिशत कम है अत: सा.स.सं. भूमि की सुलभता का अर्थ पशुधन को चराने के लिए सा.स.सं. पर निर्भरता पर उच्च मात्रा होना नहीं है।

सारणी टी. 20 : परिवारों की श्रेणी के अनुसार पशुधन को चराने के लिए सा.स.सं. का प्रयोग

परिवारों के श्रेणी	पशुधन धारकों का प्रतिशत	चारे का संग्रहण सूचित करने वालों का प्रतिशत	संग्रहीत चारे की औसत प्रमात्रा (कि.ग्राम)
ग्रामीण श्रमिक	42	13	294
अन्य भूमि धारक (हे०)			
0.20 से कम	25	8	200
0.20-0.50	66	17	305
0.50-1.00	80	18	338
1.00 - से अधिक	88	11	251
अन्य -सभी	66	12	261
सभी	56	13	275

1.5.5 अरूणाचल प्रदेश और उड़ीसा के मामले में वन क्षेत्रों की उच्च सुलभता के बावजूद चारे का संग्रहण, संग्रहण की प्रमात्रा तथा चारा संग्रहण करने वाले परिवारों की संख्या के सन्दर्भ अविश्वसनीय रूप से कम है। हरियाणा और पंजाब में वन और गैर-वन क्षेत्रों की कोई विशेष सुलभता नहीं है केवल 35 प्रतिशत और 10 प्रतिशत ने ही सा.स. सं. की सुलभता सूचित की है किन्तु इन राज्यों ने चारा संग्रहण की औसत प्रमात्रा के संदर्भ उच्च मानदंड स्थापित किए हैं।

सारणी टी 21 : विभिन्न ए सी जोन में पशुधन के पालन-पोषण के लिए सा.स.सं. का प्रयोग

कृषि जलवायु क्षेत्र	सूचना देने वाले परिवारों का प्रतिशत			गांव में रहने वाले परिवारों का प्रतिशत		
	पशुधन का स्वामित्व	पशुधन की चराई	चारे का संग्रहण	एकत्रित औसत मात्रा (कि.ग्रा.)	पहुंच के भीतर वन	प्रति परिवार सा.स.सं. (0.1 हे० या अधिक)
पश्चिम हिमालय (डब्ल्यूएचएम)	86	55	53	1273	83	6
पूर्व हिमालय और ब्रह्मपुत्र घाटी (इएचएम)	57	20	11	147	47	4
निचला गंगा मैदान (एलजी)	53	14	7	47	21	1
मध्य गंगा मैदान (एमजी)	56	16	16	267	16	8
ट्रांस गंगा मैदान (टीजी)	72	13	16	510	18	14
ऊपरी गंगा मैदान (यूजी)	61	7	21	1343	16	4
पूर्वी पठार और पहाड़ियाँ (ईएचजी)	61	40	10	62	70	9
केन्द्रीय पठार और पहाड़ियाँ (सीएचजी)	71	31	9	204	53	34
पश्चिमी पठार और पहाड़ियाँ (डब्ल्यूएचजी)	50	18	11	231	43	27
दक्षिण पठार और पहाड़ियाँ (डीपी)	42	13	11	153	44	16
पूर्वी तट मैदान और पहाड़ियां (ईजी)	35	15	11	139	34	20
पश्चिम तट मैदान और पहाड़ियाँ (डब्ल्यूसी)	36	6	7	78	38	2
गुजरात तट मैदान और पहाड़ियां (जीसी)	59	25	8	205	31	51
पश्चिमी सूखा क्षेत्र (टीडी)	87	25	2	106	30	50
सभी द्वीप समूह (द्वीपसमूह)	40	17	4	15	88	.
भारत	56	20	13	275	38	16

1.5.6 परिवार की श्रेणी के अनुसार चारे के संग्रहण और पशुधन के स्वामित्व में भिन्नता: सारणी टी 20 परिवार की प्रत्येक श्रेणी के लिए संग्रहित चारे की औसत मात्रा और, चारे के संग्रहण की सूचना पशुधन रखने वाले परिवारों का प्रतिशत देती है। सारणी यह व्यक्त करती है कि 0.20 हे० से कम भूमि रखने वाले परिवार पशुधन का स्वामित्व (25%), चारे का संग्रहण (8%), और सा.स.सं. से प्रति परिवार संग्रहित चारे की औसत मात्रा (200 किग्रा.) निम्नतम है। परिवारों की सभी अन्य श्रेणियों के लिए, पशुधन के स्वामित्व की सूचना देने वाले परिवारों का प्रतिशत भूमि के स्वामित्व में वृद्धि सहित सीधे बढ़ गया है और इसी प्रकार का संबंध सा.स.सं. से चारे के संग्रहण

की सूचना देने वाले परिवारों को प्रतिशत और सा.स.सं. से संग्रहित चारे की औसत मात्रा के मामले में पाया गया है।

1.5.7 लेकिन परिवारों की पांचवी श्रेणी (1.00 हे० या अधिक भूमि रखने वाले) एक अपवाद है जहां दोनों परिवारों का प्रतिशत (66%) और सा. स.सं. से संग्रहित चारे की औसत मात्रा अपेक्षाकृत रुप से कम (251 किग्रा.) है। यह संकेत देती है कि बड़ी भूमि वाले परिवार पशुधन पालन के लिए सा.स.सं. पर पूर्णत: निर्भर नहीं है। लेकिन पशुधन का सामान्यत: स्वामित्व सीधे-सीधे भूमि के स्वामित्व से जुड़ा है। (यह पहले से ही देखा गया है कि ग्रामीण गरीब अधिक सीमा तक अपने जीवन-निर्वाह के लिए सा.स.सं. से उपलब्ध सामग्रियों पर निर्भर है)।

1.5.8 **अन्तर-क्षेत्र भिन्नता:** सारणी टी 21 विभिन्न कृषि जलवायु क्षेत्रों में पशुधन रखने वाले परिवारों का प्रतिशत, सा.स.सं. भूमि पर पशुधन के चराने की सूचना, और सा.स.सं. से चारे का संग्रहण, वन तक पहुंच, और प्रति परिवार 0.1 हे० या अधिक सा.स.सं. भूमि सहित गांव में रहने वाले परिवार, दर्शाती है। यह प्रति परिवार सा.स. सं. भूमि से संग्रहित किए गए चारे की औसत मात्रा का अनुमान भी उपलब्ध करती है। इन सभी मापदण्डों के संबंध में ए-सी क्षेत्रों में अवलोकित बृहत परिवर्तन की चर्चा यहां की गयी है।

1.5.9 ए-सी क्षेत्र (डब्ल्यूएचएम), ईएचजी, को छोड़कर जहां सा.स.सं. पर निर्भरता, सा.स.सं. तक पहुंच और पशुधन को चराने के लिए सा.स.सं. भूमि के उपभोग के संबंध में विशेष रुप से अधिक है, पशुधन का पालन पोषण सामान्यत: सा.स.सं. भूमि की उपलब्धता पर पूर्णत: निर्भर नहीं है। इन तीनों क्षेत्रों में परिवारों का क्रमश: 86%, 61% और 71% ने पशुधन के स्वामित्व की सूचना दी है, 55%, 40% और 31% ने सा.स.सं. भूमि पर पशुधन चराने तक पहुंच की सूचना दी है और 83%, 70% और 53% ने सा.स.सं. भूमि तक पहुंच की सूचना दी है। इन तीनों क्षेत्रों में भी एक विशिष्ट अन्तर संग्रहित चारे की मात्रा और सा.स.सं. से चारा संग्रहण करने वाले परिवारों के प्रतिशत के संबंध में विद्यमान है। डब्ल्यूएचएम में 53%, परिवारों ने सा.स.सं. से चारे के संग्रहण की सूचना दी, ईएचजी में केवल 10% और सीएचजी में 9% परिवार ऐसी गतिविधि में लगे हुए थे।

1.5.10 ए-सी क्षेत्र ईएचएमएलजी, टीजी और यूजी में वन के अलावा सा.स.सं. भूमि का उच्च केन्द्रीकरण वहां पाया गया है जहां पशुधन रखने वाले परिवारों का प्रतिशत उच्च है, लेकिन सा.स.सं. से चारा संग्रहण करने वाले परिवारों का प्रतिशत और पशुधन के चराने के लिए सामान्य सम्पत्ति संसाधनों का उपभोग यूजी के अपवाद सहित राष्ट्रीय औसत से नीचे है। यूजी के मामले में, जो एक बहुत अधिक विकसित कृषि क्षेत्र है, सा.स.सं. से संग्रहित चारे की औसत मात्रा अपवादित रुप से उच्च (1343 किग्रा.) है, लगभग पांच गुना राष्ट्रीय औसत लेकिन वन क्षेत्र तक पहुंच या 0.10 हे० या अधिक सा.स.सं. भूमि सहित गांव में रहने वाले परिवार को छोड़कर असाधारण रुप से कम है, जो यह संकेत देता है कि चारे के संग्रहण को छोड़कर पशुधन पालन-पोषन और कोई अन्य पहलू मुख्य रुप से सा.स.सं. पर निर्भर है। क्षेत्र डब्ल्यूएचजी, डीपी, ईजी डब्ल्यूसी, जीसी और टीडी में अवलोकित गैर-वन सा.स.सं. भूमि के केन्द्रकरण के बावजूद पशुधन रखने वाले परिवारों का प्रतिशत अपेक्षाकृत अधिक है, सा.स.सं. से चारे के संग्रहण और चराई की सूचना अपेक्षाकृत कम है। सामान्यत: सा.स.सं. पर पशुधन की चराई की निर्भरता क्षेत्रों में बहुत स्पष्ट नहीं है।

सारणी टी 22 : गांव की जनसंख्या आकार श्रेणी के अनुसार पशुधन पालन-पोषण के लिए सा.स.सं. का प्रयोग

जनसंख्या आकार श्रेणी	सूचना देने वाले परिवारों का प्रतिशत		
	पशुधन का स्वामित्व	पशुधन की चराई	चारे का संग्रहण
100 से कम	82	73	60
100-200	72	42	23
201-600	70	29	15
601-1200	64	26	14
1201-2000	58	20	12
2001-5000	50	14	12
5001 और उससे अधिक	37	10	9
सभी	56	20	13

1.5.11 गांवों के आकार-श्रेणी में पशुधन पालन-पोषण के लिए सा.स.सं. के प्रयोग में भिन्नता: सारणी 22 गांव की जनसंख्या आकार-श्रेणी और पशुधन के चराने के लिए सा. स.सं. पर उनकी निर्भरता के बीच एक नजदीकी संबंध स्थापित करती है। यह देखा गया है कि सबसे छोटे आकार-श्रेणी में (100 से कम जनसंख्या आकार), पशुधन के स्वामित्व वाले परिवारों का प्रतिशत (82 प्रतिशत), सा.स.सं. भूमि से चारे का संग्रहण (73 प्रतिशत) और पशुधन के चराने के लिए प्रयोजित सा.स.सं. भूमि सभी अन्य आकार श्रेणियों से उच्च है। उच्चतम आकार श्रेणी में परिवारों का मात्र 37 प्रतिशत, 10 प्रतिशत और 9 प्रतिशत तद्नुरुपी प्रतिशत था। यह प्रवृति अधिकतर देश की कम जनसंख्या क्षेत्रों में सा.स.सं. तक पहुंच और जीवन-निर्वाह के लिए सा.स.सं. की अपरिहार्यता का संकेत देती है।

1.5.12 विभिन्न कृषि जलवायु क्षेत्र में सा.स.सं. भूमि, वन और अन्य भूमि में चराई: सारणी टी 23 में दिए गए अनुमान यह व्यक्त करते हैं कि पशुधन चराने के लिए सा.स.सं. भूमि और वनों का उपयोग ए सी क्षेत्र डब्ल्यूएचएच, ईएचजी और सीएचजी के लिए वहां अधिक सुस्पष्ट है जहां 55 प्रतिशत, 40 प्रतिशत और 31 प्रतिशत परिवारों ने क्रमश: सा.स.सं. भूमि या गांव वनों और सरकारी वनों पर चराई की सूचना दी है और देश में पशुधन को चराने के लिए गांव वनों की भूमिका ए-सी क्षेत्र को छोड़कर बिल्कुल जरुरी नहीं है जहां 10 प्रतिशत परिवारों ने चराई के लिए गांव वनों पर निर्भरता की सूचना दी है। समस्त भारत स्तर पर, केवल 2 प्रतिशत परिवारों ने इस उद्देश्य के लिए गांव वन के प्रयोग की सूचना दी है। वास्तव में ईएचजी केवल ए-सी क्षेत्र है जहां सा.स.सं. भूमि के प्रकार पर पशुधन के चराने के लिए परिवारों का एक रुप वितरण पाया गया था। और डब्ल्यूएचएम केवल ए-सी क्षेत्र है जहां सरकारी वन पशुधन पालने के संबंध में बहुत महत्वपूर्ण होना पाया था। इस ए सी क्षेत्र में 45 प्रतिशत परिवारों ने सरकारी वन पर पशुधन के चराने की सूचना दी लेकिन केवल 3 प्रतिशत ने इस उद्देश्य के लिए गांव वन के प्रयोग की सूचना दी थी।

सारणी टी 23 : विभिन्न प्रकार की सा.स.सं. भूमि पर और वनों में पशुधन के चराने की सूचना देने वाले परिवारों का प्रतिशत

क्षेत्र	सा.स.सं. भूमि का प्रकार			सरकारी वन	अन्य	सभी
	गांव वन	अन्य	सभी			
पश्चिम हिमालय (डब्ल्यूएचएम)	3	36	39	45	14	55
पूर्वी हिमालय और ब्रह्मपुत्र घाटी (ईएचएम)	1	11	11	2	11	20
निचला गंगा मैदान (एलजी)	0	3	3	1	14	14
मध्य गंगा मैदान (एमजी)	1	8	8	1	12	16
ट्रांस गंगा मैदान (टीजी)	0	7	7	0	8	13
ऊपरी गंगा मैदान (यूजी)	0	4	4	0	5	7
पूर्वी पठार और पहाड़ियाँ (ईएचजी)	10	20	24	16	29	40
केन्द्रीय पठार और पहाड़ियाँ (सीएचजी)	2	19	20	8	16	31
पश्चिमी पठार और पहाड़ियाँ (डब्ल्यूएचजी)	1	8	9	3	12	18
दक्षिण पठार और पहाड़ियाँ (डीपी)	0	6	6	2	9	13
पूर्व तट मैदान और पहाड़ियां (ईजी)	1	10	10	1	10	15
पश्चिम तट मैदान और पहाड़ियाँ (डब्ल्यूसी)	1	1	2	2	4	6
गुजरात तट मैदान और पहाड़ियां (जीसी)	2	23	23	3	12	25
पश्चिमी सूखा क्षेत्र (टीडी)	0	20	20	3	5	25
सभी द्वीप समूह (द्वीप समूह)	2	1	2	13	10	17
भारत	2	11	12	5	12	20

1.6 सामान्य सम्पति जल संसाधन:

1.6.1 विशिष्ट रुप से एक भारतीय गांव में विभिन्न प्रकार के बहुत से जल संसाधन है जिन्हें ग्रावासियों द्वारा विभिन्न उद्देश्यों के लिए प्रयोग किया जाता है। घरेलू आवश्यकता जैसे पीने, पकाने, धोने आदि के अतिरिक्त, संसाधनों का प्रयोग सिंचाई, पशुधन को नहलाने और पिलाने, मत्स्य पालन और अन्य परिवार उद्यमों के लिए किया जाता है। इनमें बहुत से निजी स्वामित्व वाले हैं, जबकि शेष समुदाय के प्रयोग के लिए है। बाद की श्रेणी से संबंधित स्त्रोत सम्पूर्ण रूप से या तो गांव समुदाय या एक जाति या धर्म या व्यावसायिक आधारित समुदाय या पारंपरिक सामाजिक क्रम से संबंधित एक समुदाय या एक भौगोलिक स्थिति में रह रहे व्यक्तियों द्वारा रखा जाता है। जल के ऐसे स्रोत भी है जिनका या तो निर्माण किया गया है या एक सरकारी विभाग के क्षेत्राधिकार के भीतर आते हैं। सभी ऐसे स्रोत, जो एक समुदाय के या गांव के एक स्थानीय निकाय के नियंत्रण में है या नहीं लेकिन निजी परिवार के नियंत्रण में नहीं है को सामान्य जल संसाधन माना गया है।

1.6.2. यह नोट करना महत्वपूर्ण है कि सामान्य सम्पति जल संसाधन (सा.स.ज.सं.) की उपलब्धता पर आंकड़ों के संग्रहण के लिए केवल सामान्य जल संसाधन माने गए थे। लेकिन, प्रयोग पर आंकड़ा के संग्रहण के लिए, सा.स.ज.सं. की एक बृहत्तर परिभाषा को अपनाया गया था। इस परिभाषा द्वारा, सभी निजी स्वामित्व वाले जल संसाधन जिनका ग्रामवासियों द्वारा सामान्य सम्पत्ति के रुप में प्रयोग किया जाता है को भी सा.स.ज.सं. के रुप में माना

गया था। वर्तमान सर्वेक्षण के अनुमानों पर यद्यपि इस संबंध में एक गम्भीर परिसीमा लगाई गयी है। निजी स्वामित्व जल संसाधनों को केवल तब ही सा.स.ज.सं. के रुप में होना माना गया है जब संसाधन ग्रामवासियों के प्रयोग के लिए नि:शुल्क उपलब्ध हो। इसलिए, सर्वेक्षण में सूचित किए गए, अन्य परिवारों के जल संसाधन के प्रयोग प्रस्तुत करते है।

1.6.3 सा.स.ज.सं. (सामान्य संपत्ति जल संसाधनों) की उपलब्धता: सा.स.ज.सं., निजी संपति आधारित कृषि जिसमें फसल उत्पादन, पशुधन, पालन पोषण, आदि शामिल है, में एक महत्वपूर्ण संसाधन आवर्धन की भूमिका अदा करता है। ऐसे संसाधनों की उपलब्धता का मूल्यांकन करने हेतु टैंकों, तालाबों तथा झीलों जिनका प्रयोग मुख्यत: घरेलू प्रयोग में नहीं किया गया तथा जो सर्वेक्षण किए गए गांवों की सीमा में थे इनसे संबंधित आंकड़े सर्वेक्षण में एकत्र किए गए। सा.स.ज.सं. के स्थानीय प्रबंधन की मौजूदगी संबंधी आंकड़े भी एकत्र किए गए। ये चाहे स्थानीय स्वशासन (पंचायत की तरह) हो अथवा सा.स.ज.सं. के प्रबंधन हेतु कार्यात्मक रुप से प्रभावशील स्थानीय स्तर प्रणाली। सारणी टी 24 में सा.स.ज.सं. की उपलब्धता के अनुसार दिए गए परिवारों के वितरण का प्रतिशत सर्वेक्षण

सारणी टी 24: उनके निवास के गांवों में सामुदायिक तथा सरकारी जल संसाधनों की उपलब्धता के अनुसार परिवारों के वितरण का प्रतिशत तथा सा.स.सं. के स्थानीय प्रबंधन की मौजूदगी

कृषि जलवायु क्षेत्र	निम्न से संबंधित स्थानीय प्रबंधन तथा स्रोत सहित गांव			निम्न से संबंधित स्थानीय प्रबंधन तथा स्रोत के बिना गांव			कोई नहीं
	केवल सामु-दायिक	केवल सरकारी	दोनों	केवल सामु-दायिक	केवल सरकारी	दोनों	
पश्चिम हिमालय (डब्ल्यूएचएम)	1	2	2	10	11	3	73
पूर्वी हिमालय और ब्रह्मपुत्र घाटी (इएचएम)	1	1	0	21	8	4	65
निचला गंगा मैदान (एलजी)	4	3	2	10	9	2	71
मध्य गंगा मैदान (एमजी)	2	2	2	23	11	5	56
ट्रांस गंगा मैदान (टीजी)	4	0	0	29	9	4	54
ऊपरी गंगा मैदान (यूजी)	2	0	0	29	8	11	51
पूर्वी पठार और पहाड़ियाँ (ईएचजी)	7	2	1	38	10	11	31
केन्द्रीय पठार और पहाड़ियाँ (सीएचजी)	3	3	2	19	12	5	57
पश्चिमी पठार और पहाड़ियाँ (डब्ल्यूएचजी)	1	4	1	13	17	6	58
दक्षिण पठार और पहाड़ियाँ (डीपी)	7	8	6	25	13	10	32
पूर्व तट मैदान और पहाड़ियां (ईजी)	13	8	10	25	10	13	22
पश्चिम तट मैदान और पहाड़ियाँ (डब्ल्यूसी)	1	2	3	25	13	9	46
गुजरात तट मैदान और पहाड़ियां (जीसी)	3	3	2	26	9	10	47
पश्चिमी सूखा क्षेत्र (टीडी)	1	0	0	40	14	2	43
सभी द्वीप समूह (द्वीप समूह)	0	0	4	15	11	9	61
भारत	4	3	3	24	11	7	48

में इन गांवों के स्तर पर एकत्रित आंकड़ों पर आधारित है।

1.6.4 सभी जल संसाधन, जो सहकारी, पानी पंचायत जैसे स्थानीय संगठनों के औपचारिक नियंत्रण के अंतर्गत हैं अथवा जिनके प्रबंधन हेतु कोई अन्य औपचारिक कृषक संगठन है, को सामुदायिक संसाधनों के रुप में माना गया। इस श्रेणी में उन सिंचाई टैंकों, अन्य टैंकों तथा तालाबों को भी शामिल किया गया है जिनका प्रबंधन औपचारिक रुप से ग्राम पंचायतों को सौपा गया था। सारणी टी 24 में सरकारी जल संसाधनों में लोक निर्माण विभाग अथवा लघु सिंचाई विभाग के प्रत्यक्ष नियंत्रणाधीन और अमूल्यांकित राजस्व भूमि अथवा वन विभाग के अधीन भूमि पर स्थित ऐसे सभी टैंकों, तालाबों तथा झीलों को शामिल किया गया है।

1.6.5 सारणी टी 24 से प्रकट होता है कि भारत में लगभग 52 प्रतिशत ग्रामीण परिवार गांवों में रहते हैं गैर–घरेलू प्रयोग के लिए पानी के आम स्रोत जैसे तालाब, टैंक तथा झीलों में से कम से कम एक का इस्तेमाल करते है। इससे यह भी प्रदर्शित होता है कि लगभग 10 प्रतिशत ग्रामीण परिवार सा.स.ज.सं. के स्थानीय प्रबंधन प्रणाली के सहारे गावों में रहते हैं। सामुदायिक जल स्रोत लगभग 38 प्रतिशत परिवारों को तथा सरकारी जलस्रोत 24 प्रतिशत परिवारों को उपलब्ध थे।

सारणी टी 25 : विभिन्न कृषि जलवायु क्षेत्रों में (स्व–स्वामित्व के अलावा) जल स्रोतों के विभिन्न प्रयोग की सूचना देते हुए परिवारों का प्रतिशत

कृषि जलवायु क्षेत्र	सिंचाई हेतु	पशुधन पालन हेतु	परिवार उद्यम हेतु	मत्स्य पालन
पश्चिम हिमालय (डब्ल्यूएचएम)	26	70	3	0
पूर्वी हिमालय और ब्रह्मपुत्र घाटी (ईएचएम)	10	22	6	25
निचला गंगा मैदान (एलजी)	25	23	2	5
मध्य गंगा मैदान (एमजी)	44	22	3	1
ट्रांस गंगा मैदान (टीजी)	45	33	1	0
ऊपरी गंगा मैदान (यूजी)	19	31	2	0
पूर्वी पठार और पहाड़ियाँ (ईएचजी)	17	43	7	6
केन्द्रीय पठार और पहाड़ियाँ (सीएचजी)	19	44	3	0
पश्चिमी पठार और पहाड़ियाँ (डब्ल्यूएचजी)	10	29	2	0
दक्षिण पठार और पहाड़ियाँ (डीपी)	14	22	2	0
पूर्व तट मैदान और पहाड़ियां (ईजी)	18	22	4	2
पश्चिम तट मैदान और पहाड़ियाँ (डब्ल्यूसी)	7	13	0	1
गुजरात तट मैदान और पहाड़ियां (जीसी)	20	36	1	0
पश्चिमी सूखा क्षेत्र (टीडी)	13	53	1	0
सभी द्वीप समूह (द्वीप समूह)	2	6	1	1
भारत	23	30	3	3

1.6.6 कृषि जलवायु क्षेत्रों में स्थानीय प्रबंधन की उपस्थिति तथा सामान्य संपत्ति जल संसाधन की उपलब्धता बहुत भिन्न है। गैर–घरेलू प्रयोग हेतु तालाबों, टैंकों तथा झीलों जैसे सामान्य संपत्ति जल संसाधनों की उपलब्धता कृषि जलवायु क्षेत्र पूर्व तटीय मैदानों तथा पहाड़ियों में सर्वाधिक पाई गई। इस क्षेत्र के लगभग 78 प्रतिशत परिवार कम से कम एक ऐसे संसाधन के सहारे गांव में रहते हैं। कृषि–जलवायु क्षेत्र ईएचजी (70 प्रतिशत) और डीपी (68 प्रतिशत) में यह उपलब्धता अपेक्षाकृत अधिक थी। पुन: ए–सी जोन ईएचजी में स्थानीय प्रबंधन हेतु स्थानीय संगठनों को रखते हुए गांवों में रहते हैं। यह प्रतिशत ए–सी जोन डी पी (20 प्रतिशत) तथा ईएचजी (10 प्रतिशत) में अपेक्षाकृत ज्यादा था।

1.6.7 सामान्य संपत्ति जल संसाधनों (सा.स.ज.सं.) का गैर घरेलू प्रयोग: सारणी टी 25 में सर्वेक्षित परिवारों द्वारा गैर–स्वामित्वाधीनों के विभिन्न प्रकार के प्रयोग को सूचित करने वाले परिवारों का प्रतिशत ग्रामीण जनसंख्या की अर्थव्यवस्था में सा.स.ज.सं. की भूमिका दर्शाता है। ग्रामीण भारत के लगभग 30 प्रतिशत तथा 23 प्रतिशत परिवारों में यह पाया गया कि वे इन संसाधनों का प्रयोग क्रमश: पशुधनपालन तथा सिंचाई में करते हैं। लगभग 3 प्रतिशत परिवारों के बारे में यह पता लगा कि वे इन संसाधनों का प्रयोग अन्य कार्यकलापों, अन्य परिवार उद्यमों तथा मत्स्य पालन में करते हैं।

सारणी टी 26 : सिंचाई हेतु विभिन्न अभिकरणों के स्वामित्व वाले जल संसाधनों के प्रयोग की सूचना देने वाले परिवारों की संख्या (प्रत्येक 1000)

ए–सी जोन	सर्वेक्षित व्यक्तिगत	परिवार संयुक्त	ग्राम पंचायत	सामुदायिक	सरकारी*	अन्य परिवार	नदी/सरकारी नहर आदि	कोई स्रोत
डब्ल्यूएचएम	12	7	3	8	27	1	227	280
ईएचएम	73	8	5	22	9	17	64	147
एलजी	76	19	6	18	19	144	123	316
एमजी	155	26	2	7	22	343	127	549
टीजी	206	32	1	3	40	352	114	632
यूजी	179	53	12	2	6	60	135	326
ईएचजी	57	14	16	22	30	47	86	222
सीएचजी	187	117	8	10	11	71	99	439
डब्ल्यूएचजी	128	48	7	1	3	20	74	252
डीपी	149	40	23	2	14	15	86	294
ईजी	77	18	39	8	26	13	122	259
डब्ल्यूसी	201	7	6	4	6	15	45	260
जीसी	156	56	12	4	9	115	79	386
टीडी	105	87	1	1	1	37	92	310
द्वीप समूह	40	.	11	.	6	1	1	59
समस्त	133	37	11	8	18	116	103	359

*टैंक/कुँआ/नलकूप

1.6.8 पशुधन पालन हेतु सा.स.ज.सं. का प्रयोग करने वाले परिवारों के दो अधिकतम प्रतिशत ए-सी जोन डब्ल्यूएचएम (70 प्रतिशत) तथा टीडी (53 प्रतिशत) हेतु सूचित किए गए। यह ए-सी जोन सीएचजी (44 प्रतिशत) तथा ईएचजी (43 प्रतिशत) की अपेक्षाकृत अधिक था। जहां तक सिंचाई के लिए सा.स.ज.सं. के प्रयोग का संबंध है- ए-सी जोन टीजी (45 प्रतिशत) तथा एम जी (44 प्रतिशत) में सा.स.ज.सं. का प्रयोग करने वाले परिवारों के प्रतिशत अधिक अनुमानित किए गए। ए-सी जोन डब्ल्यूएचएम (20 प्रतिशत) तथा एलजी (25 प्रतिशत) में भी प्रतिशत अपेक्षाकृत अधिक था। अन्य परिवारों के जल संसाधनों का प्रयोग करने वाले परिवारों की ऊंची प्रतिशतता के कारण शायद गंगा ए-सी जोन एलजी, एमजी तथा टीजी में सिंचाई हेतु सा.स.ज.सं. का प्रयोग करने वाले परिवारों की प्रतिशतता अधिक है। सारणी टी 26 से प्रकट होता है कि लगभग 35 प्रतिशत परिवार ए-सी जोन एमजी तथा टीजी में अन्य परिवारों के जल संसाधनों का प्रयोग करने वाले 14 प्रतिशत परिवारों की सूचना मिली। ये अनुमान पैराग्राफ़ 4.6.2 में उल्लिखित सीमाबद्धता को इंगित करते हैं। कृषि रुप से विकसित एमजी, टीजी तथा एलजी जैसे ए-सी जोन में जहां बहुत सी फसलें सिंचाई की उपलब्धता पर निर्भर करती हैं वहां ऐसी कोई संभावना नहीं है कि एक परिवार के स्वामित्वाधीन जल संसाधनों का इस्तेमाल अन्य परिवारों द्वारा सामान्य संपत्ति के रुप में किया जा सकता है।

1.6.9 सारणी टी 26 दर्शाती है कि सिंचाई हेतु 'अन्य परिवारों' के जल संसाधनों का इस्तेमाल करने वाले परिवारों का प्रतिशत समस्त गंगा ए-सी जोन, सी एच जी तथा जी सी में 5 प्रतिशत से अधिक था। ऐसा प्रतीत होता है कि सारणी टी 25 में दिए गए सिंचाई हेतु सर्वेक्षित परिवारों के गैर स्वामित्व वाले जल संसाधनों का प्रयोग करने वाले परिवारों के प्रतिशत के अनुमान इन ए-सी जोन में सिंचाई हेतु सा.स.ज.सं. के इस्तेमाल की मात्रा को नहीं दिखाते हैं। इन ए-सी जीनों को अलग छोड़कर, सारणी टी 25 से स्पष्ट होता है कि सा.स.ज.सं., ए-सी जोन डब्ल्यूएचएम की सिंचित भूमि हेतु बहुत महत्वपूर्ण भूमिका अदा करते हैं। जम्मू तथा हिमाचल प्रदेश और उत्तर प्रदेश के टिहरी-गढ़वाल क्षेत्र के कुहल्स जैसी बहुत सी घुमावदार नालों की परम्परागत प्रणाली इस ए-सी जोन में व्यापक रुप से जानी जाती है। सामुदायिक तथा सरकारी टैंकों, तालाबों तथा झीलों के साथ गांव में रहने वाली परिवारों का अपेक्षाकृत कम प्रतिशत (सारणी टी 24) साथ ही सिंचाई हेतु सा.स.ज.सं. के प्रयोग की सूचना देने वाले परिवारों का अपेक्षाकृत अधिक प्रतिशत से पता चलता है कि इस जोन में परम्परागत धारा तथा घुमावदार नालों पर आधारित प्रणाली सिंचाई के प्रमुख स्रोत के रुप में बनी रही। अन्य ए-सी जोनों जैसे ई-जी (18 प्रतिशत) इएचजी (17 प्रतिशत) तथा टीडी (13 प्रतिशत) में सिंचाई हेतु सा.स.ज.सं. का प्रयोग अपेक्षाकृत अधिक पाया गया।

सारणी टी 27- परिवारों की श्रेणी के अनुसार सिंचाई तथा पशुधन पालन हेतु जल संसाधनों (स्व-स्वामित्व वालों के अलावा) का प्रयोग सूचित करने वाले परिवारों का प्रतिशत

परिवारों की श्रेणी	सिंचाई हेतु	पशुधन पालन हेतु
ग्रामीण श्रमिक	14	24
भूमि रखने वाले अन्य परिवार:		
0.20 से कम	8	12
0.20-0.50	46	34
0.50-1.00	43	42
1.0 अथवा अधिक	33	47
अन्य: सभी*	30	34
सभी परिवार	23	30

*अन्य : सभी अन्य ग्रामीण श्रमिक परिवारों के अतिरिक्त परिवारों के लिए प्रयुक्त हैं।

1.6.10 परिवारों की विभिन्न श्रेणियों द्वारा सा. स.ज.सं. का प्रयोग:– सारणी टी 27 प्रत्येक श्रेणी के परिवारों हेतु उनके गैर स्वामित्व वाले जल संसाधनों के प्रयोग की सूचना देने वाले परिवारों का प्रतिशत सिंचाई तथा पशुधन पालन हेतु अलग–अलग देती है। सिंचाई तथा पशुधन पालन दोनों के लिए यह देखने में आया है कि ऐसे जल संसाधनों का प्रयोग करने वाले ग्रामीण श्रमिक परिवारों के प्रतिशत उस –'अन्य परिवारों' की श्रेणी की अपेक्षा बहुत कम थे। 'अन्य परिवार' श्रेणी, दूसरी तरफ अधिकतर भूमि रखने वालों की श्रेणी के अंतर्गत सिंचाई तथा पशुधन पालन हेतु उनके गैर स्वामित्व वाले जल संसाधनों का प्रयोग करने वाले परिवारों का प्रतिशत निम्न था।