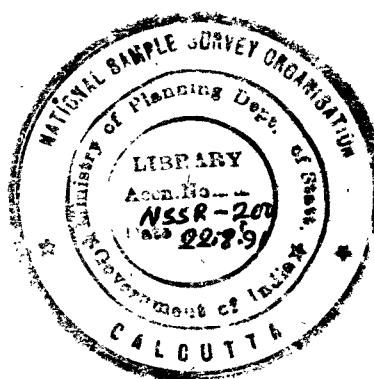


# THE NATIONAL SAMPLE SURVEY

TWENTYTHIRD ROUND  
JULY 1968—JUNE 1969

NUMBER 200

SOME RESULTS OF THE LAND UTILISATION SURVEY  
AND CROP-CUTTING EXPERIMENTS



*Issued by*

**THE CABINET SECRETARIAT : GOVERNMENT OF INDIA**

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Supervision of computing and tabulation was entrusted to S. Palit, S. Sarkhel, S. Moitra and B. Podder.

The design of the survey was prepared by the Indian Statistical Institute.

The primary data were collected by the Directorate of National Sample Survey, Government of India, in all the States except West Bengal where the Indian Statistical Institute collected the data.

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# THE NATIONAL SAMPLE SURVEY

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TWENTY-THIRD ROUND : JULY 1968 -JUNE 1969

## SOME RESULTS OF THE LAND UTILISATION SURVEY AND CROP-CUTTING EXPERIMENTS

*The report entitled "Some results of the Land Utilisation Survey and Crop-cutting Experiments, 23rd Round : July 1968—June 1969" was prepared by the Indian Statistical Institute, Calcutta. The views contained in the Report are not necessarily those of Government of India.*

### CHAPTER 1

#### INTRODUCTION

1.1 As in earlier rounds, in the 23rd round of the National Sample Survey (NSS) 1968-69 along with other socio-economic enquiries data on acreage and yield of major cereal crops were collected. Data on acreage and yield were collected for the seven cereal crops *viz.* rice, jowar, bajra, ragi, maize, wheat and barley, while for small millets data on acreage only were collected. The main objective of the survey was to estimate the production of the seven crops at all-India level for the agricultural year 1968-69. Besides, the survey was also planned to obtain the production of important crops at State level by pooling the data of the Central and State Samples\*. As in the previous round village summary schedules were also canvassed in one-fourth of the sample villages in order to obtain quick preliminary estimates of production at all India level.

1.2 *Period of survey.*—The survey started in July 1968 and ended in June 1969.

1.3 *Geographical coverage.*—The survey covered the whole of rural India excepting the North East Frontier Agency, Ladakh District of Jammu and Kashmir, Mizo Hills (Lushai) in Assam, Pal and Samari tehsils of District Surguja and Bijapur, Dantewara and Kerta tehsils of district Bastar in Madhya Pradesh Mao, Ukhrul and Tamenglong sub-divisions of Manipur and the Union territories of Andaman and Nicobar Islands, and Laccadive, Minicoy and Amindivi Islands.

1.4 *Sampling design.*—For land utilisation survey, a stratified two-stage sampling design with a interpenetrating network of samples (IPNS) was adopted with villages as first-stage units and clusters of plots (survey numbers) as second-stage units. For crop-cutting experiments a multi-stage design was adopted with villages, cluster of plots, sub-plots growing specified cereal crops in the selected clusters and circular cuts within selected sub-plots as the successive sampling units. The sample villages in each stratum were drawn in the form of four independent sub-samples. Sub-samples 1 and 3 were surveyed by one party of investigators and sub-samples 2 and 4 by another party. Details of the sampling design are given in Appendix II.

1.5 *Number of sample villages for survey.*—In this round, instead of the four seasons, autumn, winter, spring and summer, the land utilisation survey and crop-cutting experiments were planned only for the three seasons, autumn, winter and spring. 8400 sample villages in the form of four sub-samples each of 2100 villages were planned to be surveyed in each of the three seasons, autumn, winter and spring. Crop-cutting experiments were planned in half of the villages of sub-samples 1 and 2 only, that is in 1050 villages in each of sub-samples 1 and 2 in each season. However, sample villages falling in strata where specified, cereal crops of different seasons were believed to be not grown were not surveyed for the corresponding seasons. A list of such strata is given in Appendix III. Hence the number of sample villages actually planned for survey was not the same for all seasons.

1.6 *Method of collection of data.*—Data on land utilisation were collected by direct physical observation of the utilisation in sample plots. The same set of plots was surveyed in proper

\*Since the 8th round (1954-55) of the National Sample Survey, some of the State Statistical Bureaus (SSB) have been participating in the work of the NSS. The samples allotted to the SSB's have been designated as State Sample and those to the Directorate of the NSS as Central Sample. Both the samples are selected in identical manner and the same concepts and definitions and procedures are followed in both. In this round, the Union Territories of Manipur and Tripura and all the States except West Bengal participated on a full matching basis. The present report gives results of the Central sample only.

\*\*The draft report (No. D. 224) was first submitted by the Indian Statistical Institute, Calcutta, to the Government of India in May 1971. It was revised subsequently and resubmitted in May 1972.

time for each season. The proper time of visit for land utilisation survey for a particular season was the period when the sowing of the crops of that season was over and harvesting had not started, that is when the crops were standing in the field and were identifiable. Data on yield were collected by harvesting a circular area of radius 4' located at random in each sub-plot selected for the purpose. The harvesting was done in two stages first in a circular area of radius 2'3" and then in the remaining annular portion. The yields from the two portions were noted separately. The crop from the circular cuts of radius 2'3" was kept for drirage to obtain the drirage factor for estimating the production of dry crop. The demarcation of the circular area was done with the help of an apparatus specially made for this purpose.

1.7 *Scope of the report.*—The quick preliminary results based on the village summary schedules and also the preliminary results for each season based on the detailed schedules were sent to Government as soon as the tabulation of the data pertaining to each season was completed. For the whole year, that is, for all three seasons taken together, the quick estimates based on village summary schedules were submitted in June 1969 and those based on the detailed schedules in November 1969. The present report gives the results of the tabulation of the detailed schedules in some further details. Besides the estimates of area and production of all specified cereal crops at all India level, the report gives the estimates at State level for some selected States and crops. A brief description of the concepts and definitions followed in the survey is given in Chapter 2. The main results of the survey are given in Chapter 3. Chapter 4 gives the seasonwise all-India estimates of area and production. Some of the Statistical tables, including un-weighted gross yield rates of crops under different categories *viz.* pure and mixed crops, irrigated and non-irrigated crops, variety of seed (for selected crops) and type of manure at State level are given in Appendix I. Appendix II gives details of the sampling design and estimation procedure. Certain strata where specified cereal crops were believed to be not grown were exempted from survey for the corresponding seasons. A list of strata thus exempted is given in Appendix III. Facsimile of the Schedules of investigation are given in Appendix IV.

## CHAPTER 2

### CONCEPTS AND DEFINITIONS

2.1 Some of the important concepts and definitions followed in the survey are explained below.

2.2 *Sample village.*—A revenue village corresponding to the sample census village was taken as the sample village for this survey. Generally census villages and revenue villages are identical, but in some cases they are not. If the selected census village was part of a revenue village the entire revenue village was surveyed. If, on the other hand, the census village was comprised of more than one revenue village, one of the revenue villages was selected with equal probability for the purpose of the survey.

2.3 *Season.*—For each of the crops grown in a sample village appropriate season was assigned on the basis of the period of harvesting of the crop in the village in a normal year. The months of harvesting in a normal year corresponding to the different seasons are given below :

normal months of harvesting the crop	season assigned
August to October . . . . .	autumn.
November to January . . . . .	winter.
February to April . . . . .	spring.
May, June . . . . .	summer.

NOTE.—July was taken to correspond to summer or autumn depending on crop and region.

When the harvesting of a crop in a normal year was spread over two seasons, the crop was assigned to that season which covered the greater part of the harvesting period.

2.4 *Proper time of visit to the sample village.*—The land utilisation survey was carried out in a village in proper time with respect to cereal and pulse crops for each of the seasons. The proper time of visit was the period when the sowing of the crops of that season was completed but harvesting had not started. Crop-cutting experiments were conducted when the crop was ripe and ready for harvesting in the selected fields. The sample plots for crop-cutting experiments were selected afresh for each season.

2.5 *Plot.*—For the purpose of the enquiry a plot was defined as a distinct patch of land generally having a major survey number.

2.6 *Pure and Mixed crops.*—When only one crop was grown in a patch of land, it was considered as growing a pure crop. A patch of land growing two or more crops in intermixture was treated as growing a mixed crop. In such cases, the components might be sown or harvested at the same time or at different times. Sometimes the different components might be at different stages of growth (*e.g.* one crop might be harvestable, while others might just be sprouting up from the ground). When a crop was grown in an orchard in between the plants of an orchard, it was treated as a mixed crop. Also crops grown in alternate strips, each of which less than 8' forming a continuous patch of crops in the plot were treated as mixed crops.

2.7 *Sub-plot.*—Within a plot, a distinct patch growing a crop or a particular mixed crop was considered as a sub-plot. Thus a plot had as many sub-plots as there were different patches growing crops singly or in mixture or remaining uncultivated.

2.8 *Ail or bund.*—A plot is demarcated generally by a strip of raised land commonly known as *aills* or bunds. Besides these, there may be *aills* inside the plots. Some of the inside *aills* will be more or less of a permanent nature having almost the same height as boundary *aills*. These inside *aills* were treated in the same manner as boundary *aills*. But some inside *aills* might be purely temporary ones. If the width of such temporary *aills* was less than 9" the area under them was recorded along with crop area. But if the width was 9" or more the area under them was recorded under *aills*. The area under *aills* in a plot was taken to be the sum of half the area under boundary *aills* and total area under inside *aills*.

2.9 *Gross area under a crop.*—If a patch of land was under a mixed crop, the total area under the mixed crop was taken as the gross area under each of the components of the mixed crop. When a crop was grown pure in a patch of land, the gross area under the crop was the same as the area under the crop.



2.10 *Weight of green crop and dry crop.*—The stages at which weights of green crop and dry crop were taken during crop-cutting experiments are given below.

crop	weight of green crop	weight of dry crop
(1)	(2)	(3)
(a) paddy . . . . .	paddy grains harvested and threshed on the spot (duly cleared of foreign elements).	paddy grains after drying.
(b) jowar, bajra, ragi, wheat and barley.	cobs or ears plucked from the tillers (at the point just below the grains).	grains separated from the dried pods (cleared of foreign elements).
(c) maize . . . . .	cobs or ears as in (b) after removing the leaves covering the crop.	as in (b).

**CHAPTER 3**  
**SUMMARY RESULTS**

3.1 As has been mentioned earlier, the cereal crops covered for survey on acreage and yield were rice, jowar, bajra, ragi, maize, wheat and barley. In respect of small millets only data on acreage were collected and no production figures were obtained. As the survey was carried out for autumn, winter and spring seasons only, the results of the survey do not include the contribution of summer crops. The all India estimates of production and gross area under each of the seven major cereal crops and gross area for small millets for the agricultural year 1968-69 are given in this chapter.

3.2 The sampling design both for land utilisation survey and crop-cutting experiments was such as to make it possible for the survey being conducted in an interpenetrating net work of samples. The area survey was conducted in four independent sub-samples of villages, with one party of investigators surveying villages of sub-samples 1 and 3 and another party that of sub-samples 2 and 4. Sub-samples 1 and 3 formed half-sample 1 and 2 and 4 formed half-sample 2. Crop-cutting experiments were conducted only in sub-samples 1 and 2. The estimates of gross area are given for each sub-sample, as well as half-sample. The production estimates for a half-sample is obtained on the basis of the area estimate from that half-sample and the yield rate from the corresponding sub-sample. The difference between the half-sample estimates would give an idea of the margin of uncertainty of the estimates. It may be mentioned that for rice the production figures relate to clean rice. The factor 0.662 has been used to convert production of dry paddy to that of clean rice.

3.3 *Number of sample villages surveyed.*—The number of sample villages surveyed for land utilisation survey and the number surveyed for crop-cutting experiments for each season are given in Tables (3.1) and (3.2) respectively.

**TABLE (3.1) : NUMBER OF SAMPLE VILLAGES PLANNED AND NUMBER SURVEYED FOR LAND UTILISATION SURVEY BY SEASONS AND SUB-SAMPLES.**

ALL-INDIA

season	number of villages planned per sub-sample*	number of villages surveyed in sub-sample						
		1	2	3	4	1 & 3	2 & 4	1 to 4
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
autumn . . . .	2100	2023	2028	2019	2027	4042	4055	8097
winter . . . .	1824	1775	1791	1528	1781	3303	3572	6875
spring . . . .	2028	1855	1838	1870	1823	3725	3661	7386

\*excludes sample villages in strata exempted from survey.

**TABLE (3.2) : NUMBER OF SAMPLE VILLAGES PLANNED AND NUMBER SURVEYED FOR CROP-CUTTING EXPERIMENTS BY SEASONS AND SUB-SAMPLES.**

ALL-INDIA

season	number of villages planned per sub-sample*	number of villages surveyed		
		sub-sample 1	sub-sample 2	total
(1)	(2)	(3)	(4)	(5)
autumn . . . .	1050	1003	983	1986
winter . . . .	912	886	875	1761
spring . . . .	1014	919	868	1787

\*excludes sample villages in strata exempted from survey.

3.4 *Number of crop-cutting experiments conducted.*—Table (3.3) gives the number of crop-cutting experiments conducted on each crop of all the three seasons taken together.

TABLE (3.3) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON EACH OF THE MAJOR CEREAL CROPS SEPARATELY FOR PURE AND MIXED CROPS

ALL-INDIA										
crop	number of crop-cutting experiments conducted									
	sub-sample 1			sub-sample 2			total			
	pure	mixed	total	pure	mixed	total	pure	mixed	total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1 paddy . . . . .	4514	242	4756	4770	161	4931	9284	403	9687	
2 jowar . . . . .	833	2240	3073	722	2441	3163	1555	4681	6236	
3 bajra . . . . .	650	1242	1892	644	1322	1966	1294	2564	3858	
4 ragi . . . . .	830	369	1199	673	316	989	1503	685	2188	
5 maize . . . . .	804	1004	1808	850	1172	2022	1654	2176	3830	
6 wheat . . . . .	902	2122	3024	856	1938	2794	1758	4060	5818	
7 barley . . . . .	81	740	821	67	721	788	148	1461	1609	
8 total . . . . .	8614	7959	16573	8582	8071	16653	17196	16030	33226	

3.5 *Estimates of production* —The All India estimates of production of each of the seven major cereals for the agricultural year 1968-69 are given in Table (3.4)

TABLE (3.4) : ESTIMATES OF PRODUCTION OF EACH OF THE MAJOR CEREAL CROPS BY HALF-SAMPLES, 1968-69

ALL INDIA							
crop	number of crop-cutting experiments conducted			production (000 tonnes)			percentage difference
	sub-sample	sub-sample	total	half-sample	half-sample	combined	col.(5)—col.(6) col.(7) × 100
	1	2		1	2		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1. rice . . . . .	4756	4931	9687	33697	32272	32983	4.32
2. jowar . . . . .	3073	3163	6236	11157	10198	10677	8.98
3 bajra . . . . .	1892	1966	3858	4004	4717	4364	—16.34
4. ragi . . . . .	1199	989	2188	1477	1742	1611	—16.45
5. maize . . . . .	1808	2022	3830	6116	5236	5680	15.49
6. wheat . . . . .	3024	2794	5818	18843	17323	18084	8.41
7. barley . . . . .	821	788	1609	2139	2308	2225	—7.60
8. total . . . . .	16573	16653	33226	77433	73796	75624	4.81

3.6 *Estimates of gross area under cereal crops.*—Table (3.5) gives the all India estimates of gross area under each major cereal crop for the agricultural year, 1968-69.

TABLE (3.5) : ESTIMATES OF GROSS AREA UNDER EACH OF THE MAJOR CEREAL CROPS BY SUB-SAMPLES, 1968-69

ALL-INDIA

crop	gross area (000) hectares						percentage difference	
	sub-sample				half-sample	half-sample	sub-samples 1 to 4 combined	col. (6)—col. (7) col. (8) × 100
	1	2	3	4	1	2		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. paddy . . . . .	32630	32782	35233	34928	33931	33854	33892	0.23
2. jowar . . . . .	22334	21535	23210	21720	22774	21625	22202	5.18
3. bajra . . . . .	13097	17401	15402	16260	14250	16830	15540	—16.60
4. ragi . . . . .	2436	2408	1773	2456	2105	2432	2267	—14.42
5. maize . . . . .	6087	6633	7723	6096	6906	6364	6632	8.17
6. wheat . . . . .	18654	18402	17768	18738	18212	18571	18390	—1.96
7. barley . . . . .	3348	3296	3910	4124	3626	3710	3669	—2.29
8. sub-total . . . . .	98586	102457	105019	104322	101804	103386	102592	—1.54
9. small millets . . . . .	5596	5983	6049	5074	5821	5528	5675	5.16
10. total . . . . .	104182	108440	111068	109396	107625	108914	108267	—1.19

3.7 *Composition of gross area.* —The gross area under a crop is defined as the sum of the area under the crop grown pure and the total area under all mixed crops having the particular crop as a components. The percentage contribution of area under each of the two categories *viz.*, pure and mixed to the total gross area under the crop is given in Table (3.6).

TABLE (3.6) : COMPOSITION OF GROSS AREA UNDER EACH CEREAL CROPS 1968-69 : ALL SUB-SAMPLES COMBINED

ALL-INDIA

crop	estimated gross area (000) hectares	percentage of area under		
		pure crop	mixed crop	total
(1)	(2)	(3)	(4)	(5)
1. paddy . . . . .	33892	96.34	3.66	100.00
2. jowar . . . . .	22202	22.05	77.95	100.00
3. bajra . . . . .	15540	32.91	67.09	100.00
4. ragi . . . . .	2267	48.08	51.92	100.00
5. maize . . . . .	6632	42.85	57.15	100.00
6. wheat . . . . .	18390	41.33	58.67	100.00
7. barley . . . . .	3669	16.02	83.97	100.00
8. small millets . . . . .	5675	48.95	51.05	100.00

3.8 Comparison of NSS estimates of production, gross area and gross yield rate of cereals crops for the years 1968-69 and 1967-68—

3.8.1 For 1968-69, the survey was carried out for autumn, winter and spring seasons while for 1967-68, the survey was conducted to cover autumn, winter, spring and summer crops. Hence for the purpose of comparison of the estimates for 1967-68 and 1968-69, the contribution of the summer crops is excluded from the estimates for 1967-68.

3.8.2 Table (3.7) gives the all-India estimates of production and gross yield rate of each of the seven cereal crops for 1967-68 and 1968-69 based on the NSS data of 23rd and 22nd rounds respectively. The yield rates given in Table (3.7) are obtained by dividing the estimates of production by the estimates of gross area under the crop.

TABLE (3.7) : NSS ESTIMATES OF PRODUCTION AND GROSS YIELD RATES OF MAJOR CEREAL CROPS FOR 1967-68 AND 1968-69

crop	production (000 tonnes)						percentage difference col.(7)-col.(4) ×100	gross yield rate (kilograms/ hectare)	
	1967-68*			1968-69				col.(4)	1967-68*
	half- sample 1	half- sample 2	com- bined	half- sample 1	half- sample 2	com- bined	1967-68*		1968-69
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. rice . . . . .	34788	34228	34508	33697	32272	32983	-4.42	1025	973
2. jowar . . . . .	12151	11002	11576	11157	10198	10677	-7.76	522	481
3. bajra . . . . .	6018	5640	5829	4004	4717	4364	-25.13	369	281
4. ragi . . . . .	1383	2093	1737	1477	1742	1611	-7.25	658	711
5. maize . . . . .	6903	7314	7107	6116	5236	5680	-20.08	1061	856
6. wheat . . . . .	18700	17416	18057	18843	17323	18084	0.15	994	983
7. barley . . . . .	3110	3727	3418	2139	2308	2225	-34.90	776	606
8. total . . . . .	83053	81420	82232	77433	73796	75624	-8.04	X	X

\*excludes summer crops.

3.8.3 The NSS estimates of gross area under each of the major cereal crops at all India level for the two years 1967-68 and 1968-69 are given in Table (3.8) by half-samples. The percentage difference of the combined estimates for the two years is also shown in the Table.

TABLE (3.8) : NSS ESTIMATES OF GROSS AREA UNDER EACH CEREAL CROPS FOR 1967-68 AND 1968-69

crop	gross area (000) hectares						percentage difference col.(7)-col.(4) ×100
	1967-68*			1968-69			
	half- sample 1	half- sample 2	com- bined	half- sample 1	half- sample 2	com- bined	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. paddy . . . . .	33652	33653	33653	33931	33854	33892	0.71
2. jowar . . . . .	22392	21961	22175	22774	21625	22202	0.12
3. bajra . . . . .	15135	16463	15800	14250	16830	15540	-1.65
4. ragi . . . . .	2237	3043	2641	2105	2432	2267	-14.16
5. maize . . . . .	6256	7136	6696	6906	6364	6632	-0.96
6. wheat . . . . .	17551	18765	18158	18212	18571	18390	1.28
7. barley . . . . .	4204	4605	4406	3626	3710	3669	-16.73
8. sub-total . . . . .	101427	105626	103529	101804	103386	102592	-0.91
9. small millets . . . . .	6075	6362	6218	5821	5528	5675	-8.73
10. Total . . . . .	107502	111988	109747	107625	108914	108267	-1.35

\*excludes summer crops.

3.9 Comparison of the NSS and official estimates of production for the two years 1968-69 and 1967-68.— The NSS estimates and official figures of production of each of the seven cereals at all India level for the two years 1967-68 and 1968-69 are given in Table (3.9). It may be mentioned that NSS estimates do not cover summer crops but the official estimates include summer crops also.

TABLE (3.9) : NSS AND OFFICIAL ESTIMATES OF PRODUCTION FOR 1967-68 and 1968-69

ALL-INDIA						
crop	NSS estimates			Official estimates		
	production (000 tonnes)†		percentage difference	production (000 tonnes)*		percentage difference
	22nd round 1967-68	23rd round 1968-69	$\frac{\text{col. (3)} - \text{col. (2)}}{\text{col. (2)}} \times 100$	1967-68 (partially revised)	1968-69 (final estimate)	$\frac{\text{col. (6)} - \text{col. (5)}}{\text{col. (5)}} \times 100$
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. rice . . . . .	34508	32983	-4.42	37612	39761	+5.71
2. jowar . . . . .	11576	10677	-7.76	10048	9804	-2.43
3. bajra . . . . .	5829	4364	-25.13	5185	3802	-26.67
4. ragi . . . . .	1737	1611	-7.25	1884	1648	-12.53
5. maize . . . . .	7107	5680	-20.08	6269	5701	-9.06
6. wheat . . . . .	18057	18084	0.15	16540	18652	+12.77
7. barley . . . . .	3418	2225	-34.90	3504	2424	-30.82
8. total . . . . .	82232	75624	-8.04	81042	81792	+0.93

†-NSS estimates do not cover summer crops but official estimates, include summer crops also.

\*Source:—Agricultural Situation in India.

CHAPTER 4

SEASON-WISE ESTIMATES

4.1 The data on acreage and yield of crops were collected separately for each of the seasons autumn, winter and spring. Estimates of production and gross area under each crop were obtained separately for each season. In the previous chapter, the all-India estimates of production and gross area under each major cereal crop for autumn, winter and spring seasons taken together have been given. The season-wise estimates of production and gross area under each crop at all India level are given in Table (4.1). The results given in Table (4.1) do not cover the summer crops as the survey was not planned for the summer season.

TABLE (4.1) : ESTIMATES OF PRODUCTION AND GROSS AREA UNDER EACH OF THE CEREAL CROPS BY SEASONS—1968-69

ALL-INDIA						
Season	production (000) tonnes			gross area (000) hectares		
	h.s. 1	h.s. 2	combined	h.s. 1	h.s. 2	combined
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. rice						
autumn	7371	7625	7498	9626	9583	9606
winter	23531	22673	23102	22281	22481	2238
spring	2795	1974	2383	2024	1790	19060
<b>TOTAL</b>	<b>33697</b>	<b>32272</b>	<b>32983</b>	<b>33931</b>	<b>33854</b>	<b>33892</b>
2. jowar						
autumn	1146	1236	1191	3855	3402	3628
winter	6491	6004	6247	12880	11918	12400
spring	3520	2958	3239	6039	6305	6174
<b>TOTAL</b>	<b>11157</b>	<b>10198</b>	<b>10677</b>	<b>22774</b>	<b>21625</b>	<b>22202</b>
3. bajra						
autumn	3431	4254	3845	12310	14904	13607
winter	555	457	506	1770	1900	1835
spring	18	6	13	170	26	98
<b>TOTAL</b>	<b>4004</b>	<b>4717</b>	<b>4364</b>	<b>14250</b>	<b>16830</b>	<b>15540</b>
4. ragi						
autumn	555	759	658	987	1166	1077
winter	781	790	786	981	1100	1040
spring	141	193	167	137	166	150
<b>TOTAL</b>	<b>1477</b>	<b>1742</b>	<b>1611</b>	<b>2105</b>	<b>2432</b>	<b>2267</b>

Season	production (000) tonnes			gross area (000) hectares		
	h.s.1	h.s.2	combined	h.s.1	h.s.2	combined
(1)	(2)	(3)	(4)	(5)	(6)	(7)
5. maize						
autumn . . . . .	5906	5160	5534	6746	6235	6489
winter . . . . .	99	31	65	56	39	48
spring . . . . .	111	45	81	104	90	95
<b>TOTAL . . . . .</b>	<b>6116</b>	<b>5236</b>	<b>5680</b>	<b>6906</b>	<b>6364</b>	<b>6632</b>
6. wheat						
autumn . . . . .	0	0	0	1	4	3
winter . . . . .	24	134	79	38	131	85
spring . . . . .	18819	17189	18005	18173	18436	18302
<b>TOTAL . . . . .</b>	<b>18843</b>	<b>17323</b>	<b>18084</b>	<b>18212</b>	<b>18571</b>	<b>18390</b>
7. barley						
autumn . . . . .	..	..	..	..	..	..
winter . . . . .	..	..	..	..	..	..
spring . . . . .	2139	2308	2225	3626	3710	3669
<b>TOTAL . . . . .</b>	<b>2139</b>	<b>2308</b>	<b>2225</b>	<b>3626</b>	<b>3710</b>	<b>3669</b>
8. total of seven crops						
autumn . . . . .	18409	19034	18726	33525	35294	34410
winter . . . . .	31481	30089	30785	38006	37569	37788
spring . . . . .	27543	24673	26113	30273	30523	30394
<b>TOTAL . . . . .</b>	<b>77433</b>	<b>73796</b>	<b>75624</b>	<b>101804</b>	<b>103386</b>	<b>102592</b>
9. small millets*						
autumn . . . . .	..	..	..	3177	3100	3139
winter . . . . .	..	..	..	2348	2384	2366
spring . . . . .	..	..	..	296	44	170
<b>TOTAL . . . . .</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>5821</b>	<b>5528</b>	<b>5675</b>
10. total of eight crops						
autumn . . . . .	..	..	..	36702	38394	37549
winter . . . . .	..	..	..	40354	39953	40154
spring . . . . .	..	..	..	30569	30567	30564
<b>TOTAL . . . . .</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>107625</b>	<b>108914</b>	<b>108267</b>

\*Production estimates were not obtained for small millets.



**APPENDIX I**  
**STATISTICAL TABLES**

Some statistical tables relating to the survey are given in this Appendix. It may be mentioned that the number of crop-cutting experiments given for different crops in tables (3.1) to (10.3) actually relate to only those which were considered for building up the production estimates and these figures for a crop may not tally with the number of cuts given for that crop in subsequent tables as a few schedules received late from the field could not be included in estimating production but were considered in building up other tables. Further in tables (11) to (51) the sample size for a crop in different tables may not be the same as each table for a crop is based on only those sample cuts having the relevant information for that table. It may be mentioned that unweighted yield rates by variety of seed used are given only for the crops rice, jowar, maize and wheat.

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TABLE (1) : NUMBER OF SAMPLE VILLAGES PLANNED AND NUMBER SURVEYED FOR LAND UTILISATION SURVEY IN EACH SEASON AND STATES

States	number of sample villages planned per sub-sample			number of sample villages surveyed														
				autumn					winter					spring				
	autumn	winter	spring	s.1	s.2	s.3	s.4	total	s.1	s.2	s.3	s.4	total	s.1	s.2	s.3	s.4	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Andhra Pradesh . . . . .	168	168	168	166	166	168	167	667	168	167	168	168	671	156	156	162	152	626
Assam . . . . .	90	90	90	59	62	62	63	246	86	87	88	88	349	77	45	75	40	237
Bihar . . . . .	192	192	192	190	192	192	191	765	188	192	121	192	693	186	192	181	191	750
Delhi . . . . .	6	..	6	6	6	6	6	24	..	..	..	..	..	3	6	3	6	18
Goa, Daman, Diu . . . . .	6	6	6	6	6	6	5	23	6	6	6	6	24	6	6	6	6	24
Gujarat . . . . .	90	90	90	90	90	90	90	360	89	90	85	90	354	81	90	89	90	350
Haryana . . . . .	36	..	36	36	36	36	36	144	..	..	..	..	..	20	36	19	36	111
Himachal Pradesh . . . . .	18	..	18	17	18	18	17	70	..	..	..	..	..	16	17	17	16	66
Jammu & Kashmir . . . . .	90	..	30	87	89	88	85	349	..	..	..	..	..	30	30	30	30	120
Kerala . . . . .	90	90	90	90	90	90	90	360	90	90	85	90	355	81	88	85	90	344
Madhya Pradesh . . . . .	180	180	180	178	166	178	173	695	179	179	156	179	667	154	177	152	180	663
Maharashtra . . . . .	156	156	156	156	155	156	155	622	156	155	122	154	587	153	155	154	156	618
Manipur . . . . .	48	48	48	47	48	48	47	190	44	48	42	47	181	48	48	48	47	191
Mysore . . . . .	90	90	90	90	90	90	90	360	88	84	89	85	346	75	89	83	85	332
Orissa . . . . .	90	90	78	88	85	84	88	345	90	88	61	85	324	77	69	75	63	284
Pondicherry . . . . .	6	6	6	6	6	6	6	24	6	5	5	6	22	6	6	6	6	24
Punjab . . . . .	48	..	48	48	48	48	48	192	..	..	..	..	..	45	48	39	48	180
Rajasthan . . . . .	90	48	90	90	90	90	90	360	41	42	42	42	167	90	86	90	88	354
Tamil Nadu . . . . .	156	156	156	156	156	156	156	624	156	155	143	153	607	150	148	147	148	593
Tripura . . . . .	48	48	48	36	40	33	37	146	39	44	34	44	161	29	35	27	34	125
Uttar Pradesh . . . . .	264	228	264	253	260	250	261	1024	220	227	173	228	848	241	212	253	212	918
West Bengal . . . . .	138	138	138	128	129	124	126	507	129	132	134	124	519	131	99	129	99	458
ALL INDIA . . . . .	2100	1824	2028	2023	2028	2019	2027	8097	1775	1791	1528	1781	6875	1855	1838	1870	1823	7386

TABLE (2) : NUMBER OF SAMPLE VILLAGES PLANNED AND NUMBER SURVEYED FOR CROP-CUTTING EXPERIMENTS IN EACH SEASON BY STATE S

States	number of sample villages planned per sub-sample			number of sample villages surveyed								
	autumn	winter	spring	autumn			winter			spring		
				s.s.1	s.s.2	total	s.s.1	s.s.2	total	s.s.1	s.s.2	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh	84	84	84	83	82	165	84	83	167	77	66	143
2. Assam	45	45	45	27	30	57	44	41	85	39	17	56
3. Bihar	96	96	96	94	94	188	95	96	191	93	96	189
4. Delhi	3	..	3	3	3	6	..	..	..	2	3	5
5. Goa, Daman & Diu	3	3	3	3	3	6	3	3	6	3	3	6
6. Gujarat	45	45	45	45	45	90	44	45	89	36	45	81
7. Haryana	18	..	18	18	18	36	..	..	..	6	18	24
8. Himachal Pradesh	9	..	9	9	9	18	..	..	..	8	6	14
9. Jammu & Kashmir	45	..	15	43	45	88	..	..	..	15	10	25
10. Kerala	45	45	45	45	45	90	45	45	90	38	41	79
11. Madhya Pradesh	90	90	90	89	81	170	89	90	179	80	88	168
12. Maharashtra	78	78	78	78	77	155	78	80	158	78	77	155
13. Manipur	24	24	24	24	24	48	20	24	44	24	24	48
14. Mysore	45	45	45	45	45	90	44	43	87	35	44	79
15. Orissa	45	45	39	43	44	87	45	44	89	39	33	72
16. Pondicherry	3	3	3	3	3	6	3	2	5	3	3	6
17. Punjab	24	..	24	24	24	48	..	..	..	23	16	39
18. Rajasthan	45	24	45	45	44	89	20	20	40	45	43	88
19. Tamil Nadu	78	78	78	78	78	156	78	75	153	74	75	149
20. Tripura	24	24	24	16	20	36	21	22	43	14	15	29
21. Uttar Pradesh	132	114	132	126	125	251	110	111	221	120	100	220
22. West Bengal	69	69	69	62	44	106	63	51	114	67	45	112
23. ALL-INDIA	1050	912	1014	1003	983	1986	886	875	1761	919	868	1787

TABLE (3.1) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON PADDY GROWN PURE AND MIXED BY SEASONS AND STATES

sub-sample-1

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	70	18	88	245	1	246	105	..	105	420	19	439
2. Assam . . . . .	..	6	6	147	..	147	..	..	..	147	6	153
3. Bihar . . . . .	94	11	105	451	36	487	..	..	..	545	47	592
4. Delhi . . . . .	10	..	10	..	..	..	..	..	..	10	..	10
5. Goa, Daman & Diu . . . . .	12	..	12	..	..	..	16	..	16	28	..	28
6. Gujarat . . . . .	49	29	78	3	..	3	..	..	..	52	29	81
7. Haryana . . . . .	23	..	23	..	..	..	..	..	..	23	..	23
8. Himachal Pradesh . . . . .	8	..	8	..	..	..	..	..	..	8	..	8
9. Jammu & Kashmir . . . . .	121	..	121	..	..	..	..	..	..	121	..	121
10. Kerala . . . . .	208	33	241	184	6	190	66	..	66	458	39	497
11. Madhya Pradesh . . . . .	163	20	183	153	..	153	..	..	..	316	20	336
12. Maharashtra . . . . .	127	18	145	43	..	43	16	..	16	186	18	204
13. Manipur . . . . .	27	..	27	114	..	114	..	..	..	141	..	141
14. Mysore . . . . .	36	1	37	48	2	50	16	..	16	100	3	103
15. Orissa . . . . .	80	..	80	245	4	249	..	..	..	325	4	329
16. Pondicherry . . . . .	8	..	8	6	..	6	6	..	6	20	..	20
17. Punjab . . . . .	37	..	37	..	..	..	..	..	..	37	..	37
18. Rajasthan . . . . .	8	1	9	..	..	..	..	..	..	8	1	9
19. Tamil Nadu . . . . .	184	..	184	121	1	122	240	2	242	545	3	548
20. Tripura . . . . .	87	4	91	30	..	30	..	..	..	117	4	121
21. Uttar Pradesh . . . . .	338	48	386	230	1	231	..	..	..	568	49	617
22. West Bengal . . . . .	64	..	64	275	..	275	..	..	..	339	..	339
23. ALL INDIA . . . . .	1754	189	1943	2295	51	2346	465	2	467	4514	242	4756

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TABLE (3.2) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON PADDY GROWN PURE AND MIXED BY SEASONS AND STATES

Sub-sample-2

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	72	1	73	308	..	308	99	..	99	479	1	480
2. Assam . . . . .	26	..	26	192	..	192	..	..	..	218	..	218
3. Bihar . . . . .	82	12	94	495	6	501	..	..	..	577	18	595
4. Delhi . . . . .	12	..	12	..	..	..	..	..	..	12	..	12
5. Goa, Daman & Diu . . . . .	12	..	12	..	..	..	7	..	7	19	..	19
6. Gujarat . . . . .	64	11	75	9	..	9	..	..	..	73	11	84
7. Haryana . . . . .	18	..	18	..	..	..	..	..	..	18	..	18
8. Himachal Pradesh . . . . .	5	..	5	..	..	..	..	..	..	5	..	5
9. Jammu & Kashmir . . . . .	126	..	126	..	..	..	..	..	..	126	..	126
10. Kerala . . . . .	210	19	229	222	3	225	47	..	47	479	22	501
11. Madhya Pradesh . . . . .	99	13	112	162	..	162	..	..	..	261	13	274
12. Maharashtra . . . . .	142	15	157	52	..	52	6	..	6	200	15	215
13. Manipur . . . . .	48	..	48	125	..	125	..	..	..	173	..	173
14. Mysore . . . . .	52	..	52	37	2	39	24	..	24	113	2	115
15. Orissa . . . . .	75	..	75	237	..	237	..	..	..	312	..	312
16. Pondicherry . . . . .	7	..	7	..	..	..	10	..	10	17	..	17
17. Punjab . . . . .	46	..	46	..	..	..	..	..	..	46	..	46
18. Rajasthan . . . . .	6	1	7	..	..	..	..	..	..	6	..	7
19. Tamil Nadu . . . . .	200	..	200	141	..	141	253	..	253	594	1	594
20. Tripura . . . . .	75	18	93	100	..	100	..	..	..	175	18	193
21. Uttar Pradesh . . . . .	323	60	383	230	..	230	..	..	..	553	60	613
22. West Bengal . . . . .	61	..	61	253	..	253	..	..	..	314	..	314
23. ALL INDIA . . . . .	1761	150	1911	2563	11	2574	446	..	446	4770	161	4981

Land Utilisation Survey and Crop-cutting Experiments



TABLE (3.3) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON PADDY GROWN PURE AND MIXED BY SEASONS AND STATES

Sub-samples-1 and 2 combined

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	142	19	161	553	1	554	204	..	204	899	20	919
2. Assam . . . . .	26	6	32	339	..	339	..	..	..	365	6	371
3. Bihar . . . . .	176	23	199	946	42	988	..	..	..	1122	65	1187
4. Delhi . . . . .	22	..	22	..	..	..	..	..	..	22	..	22
5. Goa, Daman & Diu . . . . .	24	..	24	..	..	..	23	..	23	47	..	47
6. Gujarat . . . . .	113	40	153	12	..	12	..	..	..	125	40	165
7. Haryana . . . . .	41	..	41	..	..	..	..	..	..	41	..	41
8. Himachal Pradesh . . . . .	13	..	13	..	..	..	..	..	..	13	..	13
9. Jammu & Kashmir . . . . .	247	..	247	..	..	..	..	..	..	247	..	247
10. Kerala . . . . .	418	52	470	406	9	415	113	..	113	937	61	998
11. Madhya Pradesh . . . . .	262	33	295	315	..	315	..	..	..	577	33	610
12. Maharashtra . . . . .	269	33	302	95	..	95	22	..	22	386	33	419
13. Manipur . . . . .	75	..	75	239	..	239	..	..	..	314	..	314
14. Mysore . . . . .	88	1	89	85	4	89	40	..	40	213	5	218
15. Orissa . . . . .	155	..	155	482	4	486	..	..	..	637	4	641
16. Pondicherry . . . . .	15	..	15	6	..	6	16	..	16	37	..	37
17. Punjab . . . . .	83	..	83	..	..	..	..	..	..	83	..	83
18. Rajasthan . . . . .	14	2	16	..	..	..	..	..	..	14	2	16
19. TamilNadu . . . . .	384	..	384	262	1	263	493	2	495	1139	3	1142
20. Tripura . . . . .	162	22	184	130	..	130	..	..	..	292	22	314
21. Uttar Pradesh . . . . .	661	108	769	460	1	461	..	..	..	1121	109	1230
22. West Bengal . . . . .	125	..	125	528	..	528	..	..	..	653	..	653
23. ALL INDIA . . . . .	3515	339	3854	4858	62	4920	911	2	913	9284	403	9687

TABLE (4.1) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON JOWAR GROWN PURE AND MIXED BY SEASONS AND STATES

States	sub-sample-1											
	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh	44	148	192	44	176	220	72	76	148	160	400	560
2. Assam	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar	..	10	10	..	6	6	..	..	..	..	16	16
4. Delhi	..	..	..	..	..	..	..	..	..	..	..	..
5. Goa, Daman & Diu	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat	26	16	42	108	48	156	2	..	2	136	64	200
7. Haryana	..	..	..	..	..	..	..	..	..	..	..	..
8. Himachal Pradesh	..	..	..	..	..	..	..	..	..	..	..	..
9. Jammu & Kashmir	..	..	..	..	..	..	..	..	..	..	..	..
10. Kerala	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh	8	44	52	6	374	380	..	..	..	..	..	..
12. Maharashtra	124	56	180	34	280	314	133	196	329	291	532	823
13. Manipur	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore	58	72	130	18	106	124	26	74	100	102	252	354
15. Orissa	..	..	..	12	..	12	..	..	..	12	..	12
16. Pondicherry	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab	..	..	..	..	..	..	..	..	..	..	..	..
18. Rajasthan	8	44	52	20	46	66	..	..	..	..	..	..
19. Tamil Nadu	30	16	46	34	118	152	26	4	30	28	90	118
20. Tripura	..	..	..	..	..	..	..	..	..	90	138	228
21. Uttar Pradesh	..	6	6	..	..	..	..	..	..	..	..	..
22. West Bengal	..	..	..	..	324	324	..	..	..	..	330	330
23. ALL INDIA	298	412	710	276	1478	1754	259	350	609	833	2240	3073

TABLE (4.2) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON JOWAR GROWN PURE AND MIXED BY SEASONS AND STATES  
Sub-sample-2

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	16	92	108	42	170	212	44	79	123	102	341	443
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	..	14	14	8	36	44	..	..	..	8	50	58
4. Delhi . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
5. Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	72	110	182
6. Gujarat . . . . .	22	22	44	50	88	138	..	..	..	..	..	..
7. Haryana . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
8. Himachal Pradesh . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
9. Jammu & Kashmir . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	48	498	546
11. Madhya Pradesh . . . . .	6	4	10	42	494	536	..	..	..	274	594	868
12. Maharashtra . . . . .	108	64	172	16	328	344	150	202	352	..	..	..
13. Manipur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . . . .	60	56	116	10	114	124	56	70	126	126	240	366
15. Orissa . . . . .	..	..	..	4	8	12	..	..	..	4	8	12
16. Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab . . . . .	..	..	..	..	..	..	..	..	..	16	124	140
18. Rajasthan . . . . .	10	50	60	6	74	80	..	..	..	70	192	262
19. Tamil Nadu . . . . .	30	8	38	14	178	192	26	6	32	..	..	..
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	2	284	286
21. Uttar Pradesh . . . . .	..	..	..	2	284	286	..	..	..	..	..	..
22. West Bengal . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
23. ALL INDIA . . . . .	252	310	562	194	1774	1968	276	357	633	722	2441	3163

TABLE (4.3) : NUMBER, OF CROP-CUTTING EXPERIMENTS, CONDUCTED ON JOWAR GROWN PURE AND MIXED BY SEASONS AND STATES

sub-sample—1 and 2 combined

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	60	240	300	86	346	432	116	155	271	262	741	1003
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	..	24	24	8	42	50	..	..	..	8	66	74
4. Delhi . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
5. Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	48	38	86	158	136	294	2	..	2	208	174	382
7. Haryana . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
8. Himachal Pradesh . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
9. Jammu & Kashmir . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	14	48	62	48	868	916	..	..	..	62	916	978
12. Maharashtra . . . . .	232	120	352	50	608	658	283	398	681	565	1126	1691
13. Manipur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . . . .	118	128	246	28	220	248	82	144	226	228	492	720
15. Orissa . . . . .	..	..	..	16	8	24	..	..	..	16	8	24
16. Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
18. Rajasthan . . . . .	18	94	112	26	120	146	..	..	..	44	214	258
19. Tamil Nadu . . . . .	60	24	84	48	296	344	52	10	62	160	330	490
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . . . . .	..	6	6	2	608	610	..	..	..	2	614	616
22. West Bengal . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
23. ALL INDIA . . . . .	550	722	1272	470	3252	3722	535	707	1242	1555	4681	6236

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TABLE (5.1) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON BAJRA GROWN PURE AND MIXED BY SEASONS AND STATES

24

sub-sample—1

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	160	82	242	..	24	24	..	..	..	160	106	266
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	..	..	..	..	2	2	..	..	..	..	2	2
4. Delhi . . . . .	4	8	12	..	..	..	..	..	..	4	8	12
5. Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	30	142	272	..	..	..	4	..	4	34	142	276
7. Haryana . . . . .	64	58	122	..	..	..	..	..	..	64	58	122
8. Himachal Pradesh . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
9. Jammu & Kashmir . . . . .	4	14	18	..	..	..	..	..	..	4	14	18
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	28	32	60	..	..	..	..	..	..	28	32	60
12. Maharashtra . . . . .	64	238	302	..	..	..	..	..	..	64	238	302
13. Manipur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . . . .	..	16	16	..	16	16	..	..	..	..	32	32
15. Orissa . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
16. Pondicherry . . . . .	4	2	6	..	..	..	..	..	..	4	2	6
17. Punjab . . . . .	16	..	16	..	..	..	..	..	..	16	..	16
18. Rajasthan . . . . .	68	178	246	..	..	..	..	..	..	68	178	246
19. Tamil Nadu . . . . .	74	40	114	14	80	94	..	18	18	88	138	226
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . . . . .	14	156	170	2	136	138	..	..	..	16	292	308
22. West Bengal . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
23. ALL INDIA . . . . .	630	966	1596	16	258	274	4	18	22	650	1242	1892

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TABLE (5.2) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON BAJRA GROWN PURE AND MIXED BY SEASONS AND STATES.

sub-sample—2

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	137	106	243	..	24	24	..	..	..	137	130	267
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	..	2	2	..	..	..	..	..	..	..	2	2
4. Delhi . . . . .	10	..	10	..	..	..	..	..	..	10	..	10
5. Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	98	140	238	6	12	18	..	..	..	104	152	256
7. Haryana . . . . .	16	90	106	..	..	..	..	..	..	16	90	106
8. Himachal Pradesh . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
9. Jammu & Kashmir . . . . .	12	22	34	..	..	..	..	..	..	12	22	34
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	24	48	72	..	..	..	..	..	..	24	48	72
12. Maharashtra . . . . .	97	160	257	2	12	14	..	..	..	99	172	271
13. Manipur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . . . .	6	20	26	2	54	56	..	..	..	8	74	82
15. Orissa . . . . .	..	..	..	..	4	4	..	..	..	..	4	4
16. Pondicherry . . . . .	2	..	2	..	..	..	..	..	..	2	..	2
17. Punjab . . . . .	22	4	26	..	..	..	..	..	..	22	4	26
18. Rajasthan . . . . .	92	220	312	2	..	2	..	..	..	94	220	314
19. Tamil Nadu . . . . .	92	76	168	10	88	98	10	..	10	112	164	276
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . . . . .	2	120	122	2	120	122	..	..	..	4	220	244
22. West Bengal . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
23. ALL INDIA . . . . .	610	1008	1618	24	314	338	10	..	10	644	1322	1966

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TABLE (5.3) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON BAJRA GROWN PURE AND MIXED, BY SEASONS AND STATES

sub-sample—1 and 2 combined

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	297	188	485	..	48	48	..	..	..	297	236	533
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	..	2	2	..	2	2	..	..	..	..	4	4
4. Delhi . . . . .	14	8	22	..	..	..	..	..	..	14	8	22
5. Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	228	282	510	6	12	18	4	..	4	238	294	532
7. Haryana . . . . .	80	148	228	..	..	..	..	..	..	80	148	228
8. Himachal Pradesh . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
9. Jammu & Kashmir . . . . .	16	36	52	..	..	..	..	..	..	16	36	52
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	52	80	132	..	..	..	..	..	..	52	80	132
12. Maharashtra . . . . .	161	398	559	2	12	14	..	..	..	163	410	573
13. Manipur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . . . .	6	36	42	2	70	72	..	..	..	8	106	114
15. Orissa . . . . .	..	..	..	..	4	4	..	..	..	..	4	4
16. Pondicherry . . . . .	6	2	8	..	..	..	..	..	..	6	2	8
17. Punjab . . . . .	38	4	42	..	..	..	..	..	..	33	4	42
18. Rajasthan . . . . .	160	398	558	2	..	2	..	..	..	162	398	560
19. Tamil Nadu . . . . .	166	116	282	24	168	192	10	18	28	200	302	502
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . . . . .	16	276	292	4	256	260	..	..	..	20	532	552
22. West Bengal . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
23. ALL INDIA . . . . .	1240	1974	3214	40	572	612	14	18	32	1294	2564	3858

TABLE (6.1) NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON RAGI GROWN PURE AND MIXED BY SEASONS AND STATES  
sub-sample-1

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	78	22	100	32	32	64	130	..	130	240	54	294
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	98	34	132
3. Bihar . . . . .	98	30	128	..	4	4	..	..	..	..	..	..
4. Delhi . . . . .	..	..	..	..	..	..	..	..	..	4	..	4
5. Goa, Daman & Diu . . . . .	4	..	4	..	..	..	..	..	..	10	6	16
6. Gujarat . . . . .	2	2	4	8	4	12	..	..	..	..	..	..
7. Haryana . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
8. Himachal Pradesh . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
9. Jammu & Kashmir . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	..	..	..	..	14	14	..	..	..	..	14	14
12. Maharashtra . . . . .	16	4	20	22	4	26	..	..	..	38	8	46
13. Manipur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . . . .	62	14	76	10	104	114	4	..	4	76	118	194
15. Orissa . . . . .	32	14	46	12	..	12	..	..	..	44	14	58
16. Pondicherry . . . . .	2	..	2	..	..	..	12	..	12	14	..	14
17. Punjab . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
18. Rajasthan . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
19. Tamil Nadu . . . . .	128	14	142	58	34	92	106	6	112	292	54	546
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . . . . .	14	67	81	..	..	..	..	..	..	14	67	81
22. West Bengal . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
23. ALL INDIA . . . . .	436	167	603	142	196	338	252	6	258	830	369	1199

Land Utilisation Survey and Crop-cutting Experiments



TABLE (6.2): NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON RAGI GROWN PURE AND MIXED BY SEASONS AND STATES

sub-sample 2

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	122	18	140	6	18	24	82	18	100	210	54	264
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	62	58	120	..	4	4	..	..	..	..	..	..
4. Delhi . . . . .	..	..	..	..	..	..	..	..	..	62	62	124
5. Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	2	2	4	..	..	..	..	..	..	..	..	..
7. Haryana . . . . .	..	..	..	..	..	..	..	..	..	2	2	4
8. Himachal Pradesh . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
9. Jammu & Kashmir . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
12. Maharashtra . . . . .	18	..	18	14	2	16	..	..	..	14	2	16
13. Manipur . . . . .	..	..	..	20	2	22	..	..	..	38	2	40
14. Mysore . . . . .	34	32	66	38	78	116	..	..	..	..	..	..
15. Orissa . . . . .	34	4	38	14	..	14	..	..	..	72	110	182
16. Pondicherry . . . . .	8	..	8	..	..	..	..	..	..	48	4	52
17. Punjab . . . . .	..	..	..	..	..	..	..	4	4	8	4	12
18. Rajasthan . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
19. Tamil Nadu . . . . .	88	6	94	32	20	52	..	..	..	..	..	..
20. Tripura . . . . .	..	..	..	..	..	..	87	8	95	207	34	241
21. Uttar Pradesh . . . . .	12	42	54	..	..	..	..	..	..	..	..	..
22. West Bengal . . . . .	..	..	..	..	..	..	..	..	..	12	42	54
23. ALL INDIA . . . . .	380	162	542	124	124	248	169	30	199	673	316	989

National Sample Survey

TABLE (6.3) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON RAGI GROWN PURE AND MIXED BY SEASONS AND STATES

sub-samples 1 &amp; 2 combined

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1. Andhra Pradesh . . . . .	200	40	240	38	50	88	212	18	230	450	108	558
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	160	88	248	..	8	8	..	..	..	160	96	256
4. Delhi . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
5. Goa, Daman & Diu . . . . .	4	..	4	..	..	..	..	..	..	4	..	4
6. Gujarat . . . . .	4	4	8	8	4	12	..	..	..	12	8	20
7. Haryana . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
8. Himachal Pradesh . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
9. Jammu & Kashmir . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	..	..	..	14	16	30	..	..	..	14	16	30
12. Maharashtra . . . . .	34	4	38	42	6	48	..	..	..	76	10	86
13. Manipur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . . . .	96	46	142	48	182	230	4	..	4	148	228	376
15. Orissa . . . . .	66	18	84	26	..	26	..	..	..	92	18	110
16. Pondicherry . . . . .	10	..	10	..	..	..	12	4	16	22	4	26
17. Punjab . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
18. Rajasthan . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
19. Tamil Nadu . . . . .	216	20	236	90	54	144	193	14	207	499	88	587
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . . . . .	26	109	135	..	..	..	..	..	..	26	109	135
22. West Bengal . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
23. All India . . . . .	816	329	1145	266	320	586	421	36	457	1503	685	2188

Land Utilisation Survey and Crop-cutting Experiments

TABLE (7.1) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON MAIZE GROWN PURE AND MIXED BY SEASONS AND STATES

States	sub-sample 1											
	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	52	58	110	..	..	..	48	2	50	100	60	160
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	70	294	364	..	..	..	..	6	6	70	300	370
4. Delhi . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
5. Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	28	28	56	..	..	..	6	..	6	34	28	62
7. Haryana . . . . .	10	..	10	..	..	..	..	..	..	10	..	10
8. Himachal Pradesh . . . . .	46	34	80	..	..	..	..	..	..	46	34	80
9. Jammu & Kashmir . . . . .	204	16	220	..	..	..	..	..	..	204	16	220
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	52	192	244	..	2	2	..	..	..	52	194	24
12. Maharashtra . . . . .	..	16	16	..	..	..	2	4	6	2	20	22
13. Manipur . . . . .	12	..	12	..	..	..	..	..	..	12	..	12
14. Mysore . . . . .	8	4	12	2	..	2	18	8	26	28	12	40
15. Orissa . . . . .	34	..	34	..	..	..	..	..	..	34	..	34
16. Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab . . . . .	126	2	128	..	..	..	..	..	..	126	2	128
18. Rajasthan . . . . .	42	114	156	..	..	..	..	..	..	42	114	156
19. Tamil Nadu . . . . .	2	4	6	..	..	..	2	..	2	4	4	8
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . . . . .	40	220	260	..	..	..	..	..	..	40	220	260
22. West Bengal . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
23. All India . . . . .	726	982	1708	2	2	4	76	20	96	804	1004	1808

TABLE (7.2) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON MAIZE GROWN PURE AND MIXED BY SEASONS AND STATES

sub-sample 2

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	42	80	122	6	..	6	32	..	32	80	80	160
2. Assam . . . . .	..	—	—	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	104	336	440	..	..	..	..	..	..	104	336	440
4. Delhi . . . . .	2	..	2	..	..	..	..	..	..	2	..	2
5. Goa, Daman & Diu . . . . .	..	..	—	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	18	42	60	..	..	..	..	4	4	18	46	64
7. Haryana . . . . .	30	..	30	..	..	..	..	..	..	30	..	30
8. Himachal Pradesh . . . . .	72	8	80	..	..	..	..	..	..	72	8	80
9. Jammu & Kashmir . . . . .	146	70	216	..	..	..	..	..	..	146	70	216
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	140	188	328	..	..	..	..	..	..	140	188	328
12. Maharashtra . . . . .	..	..	..	..	..	..	4	6	10	4	6	10
13. Manipur . . . . .	24	..	24	..	..	..	..	..	..	24	..	24
14. Mysore . . . . .	6	2	8	10	..	10	..	..	..	16	2	18
15. Orissa . . . . .	30	..	30	..	..	..	..	..	..	30	..	30
16. Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab . . . . .	128	4	132	..	..	..	..	..	..	128	4	132
18. Rajasthan . . . . .	24	108	132	..	..	..	..	..	..	24	108	132
19. Tamil Nadu . . . . .	..	6	6	..	..	..	2	..	2	2	6	8
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . . . . .	30	318	348	—	—	..	—	..	..	30	318	348
22. West Bengal . . . . .	..	..	—	—	—	—	—	—	..	..	..	..
23. ALL INDIA . . . . .	796	1167	1958	16	..	16	38	10	48	850	1172	2022

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TABLE (7.3) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON MAIZE GROWN PURE AND MIXED BY SEASONS AND STATES  
sub-samples 1 & 2 combined

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	94	138	232	6	--	6	80	2	82	180	140	320
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	174	630	804	..	..	..	..	6	6	174	636	810
4. Delhi . . . . .	2	..	2	..	..	..	..	..	..	2	..	2
5. Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	46	70	116	..	..	..	6	4	10	52	74	126
7. Haryana . . . . .	40	..	40	--	..	..	..	..	..	40	..	40
8. Himachal Pradesh . . . . .	118	42	160	..	..	..	..	..	..	118	42	160
9. Jammu & Kashmir . . . . .	350	86	436	..	..	..	..	..	..	350	86	436
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	192	380	572	..	2	2	..	..	..	192	382	574
12. Maharashtra . . . . .	..	16	16	..	..	..	6	10	16	6	26	32
13. Manipur . . . . .	36	..	36	..	..	..	..	..	..	36	..	36
14. Mysore . . . . .	14	6	20	12	..	12	18	8	26	44	14	58
15. Orissa . . . . .	64	..	64	..	..	..	..	..	..	64	..	64
16. Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab . . . . .	254	6	260	..	..	..	..	..	..	254	6	260
18. Rajasthan . . . . .	66	222	288	..	..	..	..	..	..	66	222	288
19. Tamil Nadu . . . . .	2	10	12	..	..	..	4	..	4	6	10	16
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . . . . .	70	538	608	..	..	..	..	..	..	70	538	608
22. West Bengal . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
23. All India . . . . .	1522	2144	3666	18	2	20	114	30	144	1654	2176	3830

TABLE (8.1) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON WHEAT GROWN PURE AND MIXED BY SEASONS AND STATES

sub-sample : 1

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	..	..	..	..	..	..	2	..	2	2	..	2
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	..	..	..	..	..	..	138	342	480	138	342	480
4. Delhi . . . . .	..	..	..	..	..	..	7	22	29	7	22	29
5. Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	..	..	..	..	..	..	156	68	224	156	68	224
7. Haryana . . . . .	..	..	..	..	..	..	43	76	119	43	76	119
8. Himachal Pradesh . . . . .	..	..	..	..	..	..	29	14	43	29	14	43
9. Jammu & Kashmir . . . . .	..	..	..	..	..	..	49	22	71	49	22	71
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	..	..	..	..	..	..	80	202	282	80	202	282
12. Maharashtra . . . . .	..	..	..	..	..	..	103	64	167	103	64	167
13. Manipur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . . . .	..	..	..	..	..	..	12	6	18	12	6	18
15. Orissa . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
16. Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab . . . . .	..	..	..	..	..	..	113	44	157	113	44	157
18. Rajasthan . . . . .	..	..	..	..	..	..	72	174	246	72	174	246
19. Tamil Nadu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . . . . .	..	..	..	..	..	..	87	1080	1167	87	1080	1167
22. West Bengal . . . . .	..	..	..	..	..	..	11	8	19	11	8	19
23. All India . . . . .	..	..	..	..	..	..	902	2122	3024	902	2122	3024

Land Utilisation Survey and Crop-cutting Experiments

TABLE (8.2) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON WHEAT GROWN PURE AND MIXED BY SEASONS AND STATES  
sub-sample-2

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	..	..	..	..	..	..	6	..	6	6	..	6
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	..	..	..	..	..	..	128	371	499	128	371	499
4. Delhi . . . . .	..	..	..	..	..	..	14	8	22	14	8	22
5. Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	..	..	..	..	..	..	128	82	210	128	82	210
7. Haryana . . . . .	..	..	..	..	..	..	54	50	104	54	50	104
8. Himachal Pradesh . . . . .	..	..	..	..	..	..	4	4	8	4	4	8
9. Jammu & Kashmir . . . . .	..	..	..	..	..	..	24	20	44	24	20	44
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	..	..	..	..	..	..	144	336	480	144	336	480
12. Maharashtra . . . . .	..	..	..	..	..	..	130	60	190	130	60	190
13. Manipur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . . . .	2	..	2	..	4	4	6	2	8	8	6	14
15. Orissa . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
16. Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab . . . . .	..	..	..	..	..	..	69	48	117	69	48	117
18. Rajasthan . . . . .	..	..	..	..	..	..	54	146	200	54	146	200
19. Tamil Nadu . . . . .	..	..	..	..	..	..	2	..	2	2	..	2
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . . . . .	..	..	..	..	..	..	47	807	854	47	807	854
22. West Bengal . . . . .	..	..	..	..	..	..	44	..	44	44	..	44
23. All India . . . . .	2	..	2	..	4	4	854	1934	2788	856	1938	2794

TABLE (8.3) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON WHEAT GROWN PURE AND MIXED BY SEASONS AND STATES

sub-sample 1 & 2 combined

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh	..	..	..	..	..	..	8	..	8	8	..	8
2. Assam	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar	..	..	..	..	..	..	266	713	979	266	713	979
4. Delhi	..	..	..	..	..	..	21	30	51	21	30	51
5. Goa, Daman & Diu	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat	..	..	..	..	..	..	284	150	434	284	150	434
7. Haryana	..	..	..	..	..	..	97	126	223	97	126	223
8. Himachal Pradesh	..	..	..	..	..	..	33	18	51	33	18	51
9. Jammu & Kashmir	..	..	..	..	..	..	73	42	115	73	42	115
10. Kerala	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh	..	..	..	..	..	..	224	538	762	224	538	762
12. Maharashtra	..	..	..	..	..	..	233	124	357	233	124	357
13. Manipur	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore	2	..	2	..	4	4	18	8	26	20	12	32
15. Orissa	..	..	..	..	..	..	..	..	..	..	..	..
16. Pondicherry	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab	..	..	..	..	..	..	182	92	274	182	92	274
18. Rajasthan	..	..	..	..	..	..	126	320	446	126	320	446
19. Tamil Nadu	..	..	..	..	..	..	2	..	2	2	..	2
20. Tripura	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh	..	..	..	..	..	..	134	1887	2021	134	1887	2021
22. West Bengal	..	..	..	..	..	..	55	8	63	55	8	63
23. All India	2	..	2	..	4	4	1756	4056	5812	1758	4060	5818

Land Utilisation Survey and Crop-cutting Experiments



ABLE (9.1) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON BARLEY GROWN PURE AND MIXED BY SEASONS AND STATES

sub-sample-1

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	..	..	..	..	..	..	30	193	223	30	193	223
4. Delhi . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
5. Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	..	..	..	..	..	..	1	..	1	1	..	1
7. Haryana . . . . .	..	..	..	..	..	..	10	18	28	10	18	28
8. Himachal Pradesh . . . . .	..	..	..	..	..	..	4	..	4	4	..	4
9. Jammu & Kashmir . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	..	..	..	..	..	..	3	36	39	3	36	39
12. Maharashtra . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
13. Manipur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
15. Orissa . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
16. Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab . . . . .	..	..	..	..	..	..	4	4	8	4	4	8
18. Rajasthan . . . . .	..	..	..	..	..	..	13	114	127	13	114	127
19. Tamil Nadu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . . . . .	..	..	..	..	..	..	10	370	380	10	370	380
22. West Bengal . . . . .	..	..	..	..	..	..	6	5	11	6	5	11
23. All India . . . . .	..	..	..	..	..	..	81	740	821	81	740	821

TABLE (9.2): NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON BARLEY GROWN PURE AND MIXED BY SEASONS AND STATES

sub-sample-2

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	..	..	..	..	..	..	19	177	196	19	177	196
4. Delhi . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
5. Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	..	..	..	..	..	..	..	2	2	..	2	2
7. Haryana . . . . .	..	..	..	..	..	..	6	4	10	6	4	10
8. Himachal Pradesh . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
9. Jammu & Kashmir . . . . .	..	..	..	..	..	..	2	2	4	2	2	4
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	..	..	..	..	..	..	10	52	62	10	52	62
12. Maharashtra . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
13. Manipur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
15. Orissa . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
16. Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab . . . . .	..	..	..	..	..	..	2	..	2	2	..	2
18. Rajasthan . . . . .	..	..	..	..	..	..	14	114	128	14	114	128
19. Tamil Nadu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . . . . .	..	..	..	..	..	..	13	370	383	13	370	383
22. West Bengal . . . . .	..	..	..	..	..	..	1	..	1	1	..	1
23. All India . . . . .	..	..	..	..	..	..	67	721	788	67	721	788

TABLE (9.3) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON BARLEY GROWN PURE AND MIXED BY SEASONS AND STATES

sub-samples 1 and 2 combined

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	..	..	..	..	..	..	49	370	419	49	370	419
4. Delhi . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
5. Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	..	..	..	..	..	..	1	2	3	1	2	3
7. Haryana . . . . .	..	..	..	..	..	..	16	22	38	16	22	38
8. Himachal Pradesh . . . . .	..	..	..	..	..	..	4	..	4	4	..	4
9. Jammu & Kashmir . . . . .	..	..	..	..	..	..	2	2	4	2	2	4
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	..	..	..	..	..	..	13	88	101	13	88	101
12. Maharashtra . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
13. Manipur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
15. Orissa . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
16. Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab . . . . .	..	..	..	..	..	..	6	4	10	6	4	10
18. Rajasthan . . . . .	..	..	..	..	..	..	27	228	255	27	228	255
19. Tamil Nadu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . . . . .	..	..	..	..	..	..	23	740	763	23	740	763
22. West Bengal . . . . .	..	..	..	..	..	..	7	5	12	7	5	12
23. All India . . . . .	..	..	..	..	..	..	148	1461	1609	148	1461	1609

TABLE (10.1) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON MAJOR CEREAL CROPS GROWN PURE AND MIXED BY SEASONS AND STATES

sub-sample—1

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	404	328	732	321	233	554	357	78	435	1082	639	1721
2. Assam . . . . .	..	6	6	147	..	147	..	..	..	147	6	153
3. Bihar . . . . .	262	345	607	451	48	499	168	541	709	881	934	1815
4. Delhi . . . . .	14	8	22	..	..	..	7	22	29	21	30	51
5. Goa, Daman & Diu . . . . .	16	..	16	..	..	..	16	..	16	32	..	32
6. Gujarat . . . . .	235	217	452	119	52	171	169	68	237	523	337	860
7. Haryana . . . . .	97	58	155	..	..	..	53	94	147	150	152	302
8. Himachal Pradesh . . . . .	54	34	88	..	..	..	33	14	47	87	48	135
9. Jammu & Kashmir . . . . .	329	30	359	..	..	..	49	22	71	378	52	430
10. Kerala . . . . .	208	33	241	184	6	190	66	..	66	458	39	497
11. Madhya Pradesh . . . . .	251	288	539	159	390	549	83	238	321	493	916	1409
12. Maharashtra . . . . .	331	332	663	99	284	383	254	264	518	684	880	1564
13. Manipur . . . . .	39	..	39	114	..	114	..	..	..	153	..	153
14. Mysore . . . . .	164	107	271	78	228	306	76	88	164	318	423	741
15. Orissa . . . . .	146	14	160	269	4	273	..	..	..	415	18	433
16. Pondicherry . . . . .	14	2	16	6	..	6	18	..	18	38	2	40
17. Punjab . . . . .	179	2	181	..	..	..	117	48	165	296	50	346
18. Rajasthan . . . . .	126	337	463	20	46	66	85	288	373	231	671	902
19. Tamil Nadu . . . . .	418	17	492	227	233	460	374	30	404	1019	337	1356
20. Tripura . . . . .	87	4	91	30	..	30	..	..	..	117	4	121
21. Uttar Pradesh . . . . .	406	497	903	232	461	693	97	1450	1547	735	2408	3143
22. West Bengal . . . . .	64	..	64	275	..	275	17	13	30	356	13	369
23. All India . . . . .	3844	2716	6560	2731	1985	4716	2039	3258	5297	8614	7959	16573

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TABLE (10.2) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON MAJOR CEREAL CROPS GROWN PURE AND MIXED BY SEASONS AND STATES

sub-sample-2

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	Pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	389	297	686	362	212	574	263	97	360	1014	606	1620
2. Assam . . . . .	26	..	26	192	..	192	..	..	..	218	..	218
3. Bihar . . . . .	248	422	670	503	46	549	147	548	695	898	1016	1914
4. Delhi . . . . .	24	—	24	..	..	..	14	8	22	38	8	46
5. Goa, Daman & Diu : . . . . .	12	..	12	..	..	..	7	..	7	19	..	19
6. Gujarat . . . . .	204	217	421	65	100	165	128	88	216	397	405	802
7. Haryana . . . . .	64	90	154	..	..	..	60	54	114	124	144	268
8. Himachal Pradesh . . . . .	77	8	85	..	..	..	4	4	8	81	12	93
9. Jammu & Kashmir . . . . .	284	92	376	..	..	..	26	22	48	310	114	424
10. Kerala . . . . .	210	19	229	222	3	225	47	..	47	479	22	501
11. Madhya Pradesh . . . . .	269	253	522	218	496	714	154	388	542	641	1137	1778
12. Maharashtra . . . . .	365	239	604	90	342	432	290	268	558	745	849	1594
13. Manipur : . . . . .	72	..	72	125	..	125	..	..	..	197	..	197
14. Mysore . . . . .	160	110	270	97	252	349	86	72	158	343	434	777
15. Orissa . . . . .	139	4	143	255	12	267	..	..	..	394	16	410
16. Pondicherry . . . . .	17	..	17	..	..	..	10	4	14	27	4	31
17. Punjab . . . . .	196	8	204	—	..	..	71	48	119	267	56	323
18. Rajasthan . . . . .	132	379	511	8	74	82	68	260	328	208	713	921
19. Tamil Nadu . . . . .	410	96	506	197	286	483	380	14	394	987	396	1383
20. Tripura . . . . .	75	18	93	100	—	100	..	..	..	175	18	193
21. Uttar Pradesh . . . . .	367	540	907	234	404	638	60	1177	1237	661	2121	2782
22. West Bengal . . . . .	61	..	61	253	..	253	45	—	45	359	..	359
23. All India . . . . .	3801	2792	6593	2921	2227	5148	1860	3052	4912	8582	8071	16653

National Sample Survey

TABLE (10.3) : NUMBER OF CROP-CUTTING EXPERIMENTS CONDUCTED ON MAJOR CEREAL CROPS GROWN PURE AND MIXED BY SEASONS AND STATES

sub-samples 1 and 2 combined

States	autumn			winter			spring			all seasons		
	pure	mixed	total	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1. Andhra Pradesh . . . . .	793	625	1418	683	445	1128	620	175	795	2096	1245	3341
2. Assam . . . . .	26	6	32	339	..	339	..	..	..	365	6	371
3. Bihar . . . . .	510	767	1277	954	94	1048	315	1089	1404	1779	1950	3729
4. Delhi . . . . .	38	8	46	..	..	..	21	30	51	59	38	97
5. Goa, Daman & Diu . . . . .	28	..	28	..	..	..	23	..	23	51	..	51
6. Gujarat . . . . .	439	434	873	184	152	336	297	156	453	920	742	1662
7. Haryana . . . . .	161	148	309	..	..	..	113	148	261	274	296	570
8. Himachal Pradesh . . . . .	131	42	173	..	..	..	37	18	55	168	60	228
9. Jammu & Kashmir . . . . .	613	122	735	..	..	..	75	44	119	688	166	854
10. Kerala . . . . .	418	52	470	406	9	415	113	..	113	937	61	998
11. Madhya Pradesh . . . . .	520	541	1061	377	886	1263	337	626	863	1134	2053	3187
12. Maharashtra . . . . .	696	571	1267	189	626	815	544	532	1076	1429	1729	3158
13. Manipur . . . . .	111	..	111	239	..	239	..	..	..	350	..	350
14. Mysore . . . . .	324	217	541	175	480	655	162	160	322	661	857	1518
15. Orissa . . . . .	285	18	303	524	16	540	..	..	..	809	34	843
16. Pondicherry . . . . .	31	2	33	6	..	6	28	4	32	65	6	71
17. Punjab . . . . .	375	10	385	..	..	..	188	96	284	563	106	669
18. Rajasthan . . . . .	258	716	974	28	120	418	153	548	701	439	1384	1823
19. Tamil Nadu . . . . .	828	110	998	424	519	943	754	44	798	2006	733	2739
20. Tripura . . . . .	162	22	184	130	..	130	..	..	..	292	22	314
21. Uttar Pradesh . . . . .	773	1037	1810	466	865	1931	157	2627	2784	1396	4529	5925
22. West Bengal . . . . .	125	..	125	528	..	528	62	13	75	715	13	728
23. All India . . . . .	7645	5508	13153	5652	4212	9864	3899	6310	10209	17196	16030	33226

Land Utilisation Survey and Crop-cutting Experiments

TABLE (11) : UNWEIGHTED GROSS YIELD RATE (KILOGRAM/HECTARE) OF CROP GROWN PURE & MIXED BY STATES AND SUB-SAMPLES

crop : rice

States	sub-sample 1						sub-sample 2						sub-samples 1 & 2 combined					
	pure		mixed		combined		pure		mixed		combined		pure		mixed		combined	
	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1. Andhra Pradesh . . .	452	1189	18	548	470	1165	526	1174	2	101	528	1170	978	1181	20	503	998	1168
2. Assam . . . . .	157	1173	6	1046	163	1168	233	1074	..	..	233	1074	390	1114	6	1046	396	1113
3. Bihar . . . . .	547	783	43	727	590	779	578	775	18	284	506	760	1125	779	61	596	1186	769
4. Delhi . . . . .	10	436	..	..	10	436	12	555	..	..	12	555	22	501	..	..	22	501
5. Goa, Daman & Diu . . .	28	1925	..	..	28	1925	19	1584	..	..	19	1584	47	1787	..	..	47	1787
6. Gujarat . . . . .	58	603	29	339	87	535	73	837	11	190	84	752	131	783	40	342	171	6428
7. Haryana . . . . .	23	683	..	..	23	683	18	1593	..	..	18	1593	41	1083	..	..	41	1038
8. Himachal Pradesh . . .	8	617	..	..	8	617	5	963	..	..	5	963	13	750	..	..	13	750
9. Jammu & Kashmir . . .	121	2272	..	..	121	2272	126	2220	..	..	126	2220	247	2245	..	..	247	2245
10. Kerala . . . . .	458	1136	41	531	499	1086	497	1268	22	706	519	1244	955	1205	63	592	1018	1167
11. Madhya Pradesh . . .	316	667	21	147	337	634	319	579	17	138	336	556	635	623	38	143	673	595
12. Maharashtra . . . . .	136	945	12	593	148	916	200	1134	16	591	216	1094	336	1058	28	592	364	1022
13. Manipur . . . . .	141	1476	..	..	141	1476	173	1572	..	..	173	1572	314	1529	..	..	314	1529
14. Mysore . . . . .	100	1506	3	91	103	1465	116	1082	3	400	119	1064	216	1278	6	246	222	1250
15. Orissa . . . . .	331	918	4	678	335	915	314	994	..	..	314	994	645	955	4	678	649	953
16. Pondicherry . . . . .	20	2054	..	..	20	2054	17	1543	..	..	17	1543	37	1819	..	..	37	1819
17. Punjab . . . . .	36	1273	..	..	36	1273	46	1316	..	..	46	1316	82	1297	..	..	82	1297
18. Rajasthan . . . . .	8	347	1	5	9	309	6	978	1	79	7	850	14	617	2	42	16	546
19. Tamil Nadu . . . . .	546	1489	3	1367	549	1489	608	1499	..	..	608	1499	1154	1494	3	1367	1157	1494
20. Tripura . . . . .	190	700	4	417	194	694	190	858	18	618	208	837	380	779	22	581	402	768
21. Uttar Pradesh . . . . .	583	610	51	422	634	595	556	597	71	530	627	589	1139	604	122	485	1261	592
22. West Bengal . . . . .	334	1086	..	..	334	1086	459	1203	..	..	459	1203	793	1154	..	..	793	1154
23. All India . . . . .	4603	1045	236	513	4839	1019	5091	1086	179	473	5270	1065	9694	1067	415	486	10109	1043

TABLE (12) : U NWEIGHTED GROSS YIELD RATE (KILOGRAM/HECTARE) OF CROP GROWN PURE & MIXED BY STATES AND BY SUB-SAMPLES

crop : jowar

States	sub-sample 1						sub-sample 2						sub-samples 1 & 2 combined					
	pure		mixed		combined		pure		mixed		combined		pure		mixed		combined	
	no. of cuts	yeild rate	no. of cuts	yeild rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1. Andhra Pradesh .	164	301	395	362	559	344	104	853	346	478	450	565	268	515	741	416	1009	443
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	..	..	18	133	18	133	8	2061	50	244	58	495	8	2061	68	215	76	409
4. Delhi . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Goa, Daman & Dju .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	136	717	61	705	197	713	72	968	110	891	182	922	208	804	171	825	379	813
7. Haryana . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Himachal Pradesh .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Jammu & Kashmir .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh .	24	361	579	450	603	447	53	527	498	457	551	464	77	475	1077	453	1154	455
12. Maharashtra . . .	292	938	607	681	899	764	275	893	596	621	871	707	567	916	1203	651	1770	736
13. Manipur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . . . .	104	923	253	469	357	601	126	643	243	333	369	439	230	770	496	402	726	519
15. Orissa . . . . .	12	969	..	..	12	969	4	1900	8	1777	12	1818	16	1202	8	1777	24	1394
16. Pondicherry . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18. Rajasthan . . . . .	25	160	89	127	114	134	17	138	125	298	142	279	42	151	214	227	256	214
19. Tamil Nadu . . . .	97	593	172	238	269	366	70	475	218	262	288	314	167	544	390	251	527	339
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . .	..	..	325	340	325	340	2	112	284	268	286	267	2	112	609	306	611	306
22. West Bengal . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23. All India . . . . .	854	701	2499	457	3353	519	731	783	2478	460	3209	533	1585	739	4977	458	6562	526



TABLE (13) : UNWEIGHTED GROSS YIELD RATE (KILOGRAM/HECTARE) OF CROP GROWN PURE & MIXED BY STATES AND SUB-SAMPLES

crop : bajra

States	sub-sample 1						sub-sample 2						sub-samples 1 & 2 combined					
	pure		mixed		combined		pure		mixed		combined		pure		mixed		combined	
	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1. Andhra Pradesh	156	415	103	173	259	319	138	283	130	75	268	182	294	353	233	118	527	249
2. Assam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar	..	..	..	..	..	..	..	..	2	27	2	27	..	..	2	27	2	27
4. Delhi	4	161	8	193	12	182	10	179	..	..	10	179	14	174	8	193	22	181
5. Goa, Daman & Diu	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat	143	811	130	676	273	746	104	1163	152	734	256	908	247	959	282	707	529	824
7. Haryana	64	425	58	178	122	308	16	801	90	120	106	223	80	500	148	143	228	268
8. Himachal Pradesh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Jammu & Kashmir	4	347	14	251	18	272	12	1015	22	314	34	562	16	848	36	290	52	462
10. Kerala	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh	28	241	32	581	60	422	24	216	48	328	72	291	52	229	80	429	132	350
12. Maharashtra	56	612	115	438	171	495	100	504	172	235	272	334	156	543	287	316	443	396
13. Manipur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore	..	..	32	128	32	128	8	43	83	73	91	70	8	43	115	88	123	85
15. Orissa	..	..	..	..	..	..	..	..	4	329	4	329	..	..	4	329	4	329
16. Pondicherry	4	828	2	957	6	871	2	0	..	..	2	0	6	552	2	957	8	653
17. Punjab	16	433	..	..	16	433	22	795	4	525	26	754	38	643	4	525	42	632
18. Rajasthan	66	159	174	156	240	157	94	89	220	171	314	146	160	118	394	164	554	151
19. Tamil Nadu	102	462	152	215	254	314	112	607	164	251	276	396	214	538	316	234	530	357
20. Tripura	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh	16	543	284	396	300	404	6	1183	270	441	276	457	22	718	554	418	576	429
22. West Bengal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23. All India	659	498	1104	336	1763	396	648	530	1361	296	2009	371	1307	514	2465	314	3772	383

TABLE (14) : UNWEIGHTED GROSS YIELD RATE (KILOGRAM/HECTARE) OF CROP GROWN PURE & MIXED BY STATES AND SUB-SAMPLES

crop : ragi

States	sub-sample 1						sub-sample 2						sub-samples 1 & 2 combined					
	pure		mixed		combined		pure		mixed		combined		pure		mixed		combined	
	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1. Andhra Pradesh .	244	855	64	579	308	798	274	978	55	679	329	928	518	920	119	625	637	865
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	98	493	34	572	132	513	62	737	62	470	124	604	160	588	96	506	256	557
4. Delhi . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Goa, Daman, Diu .	4	614	..	..	4	614	..	..	..	..	..	..	4	614	..	..	4	614
6. Gujarat . . . . .	10	609	5	616	15	612	2	645	2	0	4	323	12	615	7	440	19	551
7. Haryana . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Himachal Pradesh .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Jammu & Kashmir .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh .	..	..	14	413	14	413	14	930	2	0	16	814	14	930	16	361	20	627
12. Maharashtra . .	24	897	4	720	28	872	45	727	3	548	48	716	69	786	7	646	76	773
13. Manipur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . . . .	74	752	116	566	190	638	4	524	124	521	198	522	148	638	240	543	388	579
15. Orissa . . . . .	44	664	13	485	57	624	48	1198	4	2573	52	1763	22	942	17	976	109	948
16. Pondicherry . .	14	1407	..	..	14	1407	8	1278	4	1477	12	1444	12	1600	4	1477	26	1378
17. Punjab . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18. Rajasthan . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19. Tamil Nadu . . .	293	1207	72	780	365	1123	227	1022	34	414	261	943	510	1126	106	633	626	1048
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . .	14	813	62	312	76	404	12	609	45	390	57	456	26	719	107	345	133	418
22. West Bengal . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23. All India . . . .	819	923	384	561	1203	809	766	922	335	539	1101	806	1585	923	719	550	2304	808

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TABLE (15) : UNWEIGHTED GROSS YIELD RATE (KILOGRAM/HECTARE) OF CROP GROWN PURE &amp; MIXED BY STATES AND SUB-SAMPLES

crop : maize

States	sub-sample 1						sub-sample 2						sub-samples 1 & 2 combined					
	pure		mixed		combined		pure		mixed		combined		pure		mixed		combined	
	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1. Andhra Pradesh .	84	1014	60	1006	144	1011	83	995	80	910	163	953	167	1004	140	951	307	980
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	70	722	290	709	360	711	104	774	336	637	440	708	174	753	626	697	800	709
4. Delhi . . . . .	..	..	..	..	..	..	2	561	..	..	2	561	2	561	..	..	2	561
5. Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	34	415	28	496	62	451	18	423	46	970	64	817	52	419	74	791	126	637
7. Haryana . . . . .	10	283	..	..	10	283	30	642	..	..	30	642	40	552	..	..	40	552
8. Himachal Pradesh .	46	2845	33	1430	79	2254	72	1919	8	1261	80	1853	118	2280	41	1397	159	2052
9. Jammu & Kashmir	204	1323	16	1478	220	1334	158	1377	70	1461	228	1403	362	1347	86	1464	448	1369
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh .	52	465	198	276	250	315	160	445	194	182	354	301	212	450	392	229	604	307
12. Maharashtra . .	2	1835	20	1011	22	1086	4	0	6	0	10	0	6	612	26	778	32	747
13. Manipur . . . . .	12	3415	..	..	12	3415	24	2805	..	..	24	2805	36	3008	..	..	36	3008
14. Mysore . . . . .	28	2105	12	2798	40	2313	16	1146	2	0	18	1019	44	1756	14	2398	58	1911
15. Orissa . . . . .	34	1500	..	..	34	1500	30	2528	..	..	30	2528	64	1982	..	..	64	1982
16. Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab . . . . .	126	1472	2	1932	128	1479	128	1376	4	120	132	1338	254	1424	6	724	260	1407
18. Rajasthan . . . .	42	607	114	596	156	599	24	769	108	383	132	453	66	666	222	492	288	532
19. Tamil Nadu . . . .	4	717	4	1138	8	928	2	0	6	423	8	318	6	478	10	709	16	623
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . .	37	1579	220	1043	257	1121	36	652	326	1093	362	1049	73	1122	546	1073	619	1079
22. West Bengal . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23. All India . . . . .	785	1280	997	764	1782	991	891	1120	1186	756	2077	912	1676	1195	2183	760	3859	948

TABLE (16) : UNWEIGHTED GROSS YIELD RATE (KILOGRAM/HECTARE) OF CROP GROWN PURE & MIXED BY STATES AND SUB-SAMPLES

crop : wheat

States	sub-sample 1						sub-sample 2						sub-samples 1 & 2 combined					
	pure		mixed		combined		pure		mixed		combined		pure		mixed		combined	
	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1. Andhra Pradesh . . . . .	2	0	..	..	2	0	6	2705	..	..	6	2705	8	2029	..	..	8	2029
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	140	904	665	677	505	740	128	890	371	710	499	756	268	897	736	694	1004	748
4. Delhi . . . . .	7	2473	22	874	29	1260	14	1478	8	851	22	1250	21	1810	30	867	51	1256
5. Goa, Daman, & Diu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	137	1219	51	1325	188	1248	128	1720	82	1025	210	1449	265	1461	133	1140	398	1354
7. Haryana . . . . .	45	1571	73	894	118	1152	54	1011	56	942	110	976	99	1266	129	915	228	1067
8. Himachal Pradesh . . . . .	29	1010	15	476	44	828	19	633	4	745	23	652	48	861	19	532	67	768
9. Jammu & Kashmir . . . . .	49	1259	21	1057	70	1198	40	1020	48	519	88	747	89	1152	69	683	158	947
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	80	841	202	444	282	557	149	801	341	495	490	588	229	815	543	476	772	577
12. Maharashtra . . . . .	108	799	66	752	174	781	132	852	60	519	192	748	240	828	126	641	366	764
13. Manipur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . . . .	10	655	6	501	16	597	8	274	6	990	14	581	18	486	12	746	30	590
15. Orissa . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16. Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab . . . . .	113	1973	46	738	159	1615	112	1806	62	1638	174	1746	225	1890	108	1255	333	1683
18. Rajasthan . . . . .	71	1366	177	675	248	873	58	917	164	466	222	584	129	1164	341	574	470	736
19. Tamil Nadu . . . . .	..	..	..	..	..	..	2	531	..	..	2	531	2	531	..	..	2	531
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . . . . .	87	843	1076	990	1163	979	70	1087	1079	933	1149	943	157	952	2155	961	2312	961
22. West Bengal . . . . .	10	1896	9	1547	19	1731	58	1584	..	..	58	1584	68	1630	9	1547	77	1620
23. All India . . . . .	888	1177	2129	847	3017	944	978	1162	2281	800	3259	909	1866	1169	4410	823	6.76	926

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TABLE (17) : UNWEIGHTED GROSS YIELD RATE (KILOGRAM/HECTARE) OF CROP GROWN PURE &amp; MIXED BY STATES AND SUB-SAMPLES

crop : barley

States	sub-sample 1						sub-sample 2						sub-samples 1 & 2 combined					
	pure		mixed		combined		pure		mixed		combined		pure		mixed		combined	
	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1. Andhra Pradesh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2. Assam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar	30	612	250	264	280	301	19	690	177	354	196	326	49	642	427	301	476	336
4. Delhi	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Goa, Daman, & Diu	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat	1	759	..	..	1	759	..	..	2	259	2	259	1	759	2	259	3	426
7. Haryana	10	877	19	470	29	611	6	663	4	654	10	659	16	798	23	502	39	623
8. Himachal Pradesh	4	1334	..	..	4	1334	3	228	..	..	3	228	7	860	..	..	7	860
9. Jammu & Kashmir	..	..	..	..	..	..	3	588	4	279	7	411	3	588	4	279	7	411
10. Kerala	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh	3	145	36	229	39	223	10	900	52	156	62	276	13	726	88	186	101	256
12. Maharashtra	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13. Manipur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15. Orissa	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16. Pondicherry	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab	3	502	2	0	5	301	2	972	..	..	2	972	5	690	2	0	7	493
18. Rajasthan	14	1806	120	844	134	944	15	2120	122	806	137	950	29	1968	242	825	271	947
19. Tamil Nadu	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20. Tripura	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh	11	528	372	596	383	594	13	580	438	545	451	546	24	556	810	568	834	568
22. West Bengal	6	636	5	1454	11	1008	2	771	34	539	36	551	8	670	39	656	47	658
23. All India	82	854	804	515	886	546	73	977	833	516	906	553	155	912	1637	516	1792	550

**TABLE (18) : UNWEIGHTED GROSS YIELD RATE (KILOGRAM/HECTARE) OF IRRIGATED AND NON-IRRIGATED CROP BY STATES AND SUB-SAMPLES**

crop : rice

States	sub-sample 1						sub-sample 2						sub-samples 1 & 2 combined					
	irrigated		non-irrigated		combined		irrigated		non-irrigated		combined		irrigated		non-irrigated		combined	
	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1. Andhra Pradesh . . . . .	444	1207	26	447	470	1165	497	1208	31	569	528	1170	941	1208	57	516	998	1168
2. Assam . . . . .	13	864	150	1194	163	1168	23	1020	210	1080	233	1074	36	964	360	1128	396	1113
3. Bihar . . . . .	168	928	422	719	590	779	161	922	435	700	596	760	329	925	857	709	1186	769
4. Delhi . . . . .	7	547	3	178	10	436	11	605	1	0	12	555	18	582	4	134	22	501
5. Goa, Daman, Diu . . . . .	16	2381	12	1317	23	1925	7	1903	12	1397	19	1584	23	2236	24	1357	47	1787
6. Gujarat . . . . .	41	969	46	149	87	535	37	1054	47	514	84	752	78	1009	93	333	71	642
7. Haryana . . . . .	22	701	1	290	23	683	12	1954	6	872	18	1593	34	1143	7	789	41	1083
8. Himachal Pradesh . . . . .	6	822	2	0	8	617	5	963	..	..	5	963	11	886	2	0	13	750
9. Jammu & Kashmir . . . . .	114	2371	7	654	121	2272	123	2264	3	401	126	2220	237	2315	10	578	247	2245
10. Kerala . . . . .	177	1203	322	1022	499	1086	163	1405	356	1170	519	1244	340	1300	678	1100	1018	1167
11. Madhya Pradesh . . . . .	30	1055	307	593	337	634	35	1074	301	496	336	556	65	1065	608	545	673	595
12. Maharashtra . . . . .	58	1064	90	821	148	916	71	1372	145	957	216	1094	129	1234	235	905	364	1022
13. Manipur . . . . .	47	1596	94	1416	141	1476	28	1644	145	1558	173	1572	75	1614	239	1502	314	1529
14. Mysore . . . . .	71	1592	32	1181	103	1465	42	1123	77	1033	119	1064	113	1418	109	1076	222	1250
15. Orissa . . . . .	91	990	244	888	335	915	82	1234	232	910	314	994	173	1106	476	989	649	953
16. Pondicherry . . . . .	20	2054	..	..	20	2054	17	1543	..	..	17	1543	37	1819	..	..	37	1819
17. Punjab . . . . .	31	1415	5	388	36	1273	39	1466	7	479	46	1316	70	1443	12	441	82	1297
18. Rajasthan . . . . .	4	505	5	151	9	309	..	..	7	850	7	850	4	505	12	558	16	546
19. TamilNadu . . . . .	530	1532	19	286	540	1489	584	1531	24	713	608	1499	1114	1531	43	524	1157	1494
20. Tripura . . . . .	2	1207	192	688	194	694	5	103	203	855	208	837	7	418	395	774	402	768
21. Uttar Pradesh . . . . .	237	822	397	460	634	595	238	746	389	494	627	589	475	784	786	477	1261	592
22. West Bengal . . . . .	78	1166	261	1064	334	1086	71	1472	388	1153	459	1203	144	1317	649	1117	793	1154
23. All India . . . . .	2202	1294	2637	791	4839	1019	2251	1313	3019	880	5270	1065	4453	1304	5656	839	10109	1043

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TABLE (19) : UNWEIGHTED GROSS YIELD RATE (KILOGRAM/HECTARE) OF IRRIGATED AND NON-IRRIGATED CROP BY STATES AND SUB-SAMPLES

crop : jowar

States	sub-sample 1						sub-sample 2						sub-samples 1 & 2 combined					
	irrigated		non-irrigated		combined		irrigated		non-irrigated		combined		irrigated		non-irrigated		combined	
	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1. Andhra Pradesh .	98	314	461	350	559	344	62	402	388	591	450	565	160	348	849	460	1009	443
2. Assam .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . .	..	..	18	133	18	133	6	194	52	529	58	495	6	194	70	427	76	409
4. Delhi . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Goa, Daman, Diu .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . .	22	899	165	677	197	713	19	700	163	947	182	922	51	825	328	812	379	813
7. Haryana . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Himachal Pradesh .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Jammu & Kashmir .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10. Kerala . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh .	..	..	603	447	603	447	2	0	549	465	551	464	2	0	1152	456	1154	455
12. Maharashtra . .	62	1252	837	728	899	764	62	920	809	691	871	707	124	1086	1646	710	1770	736
13. Manipur . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . .	34	1831	323	472	357	601	52	515	317	426	369	439	86	1035	640	449	726	519
15. Orissa . . .	..	..	12	969	12	969	..	..	12	1818	12	1818	..	..	24	1394	24	1394
16. Pondicherry . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18. Rajasthan . . .	8	56	106	140	114	134	2	0	140	283	142	279	10	45	246	221	256	214
19. TamilNadu . . .	84	712	185	209	269	366	86	500	202	235	288	314	170	604	387	223	557	339
20. Tripura . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . .	5	414	320	339	325	340	4	81	282	270	286	267	9	267	602	307	611	306
22. West Bengal . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23. All India . . .	323	812	3030	488	3353	519	295	564	2914	530	3209	533	618	694	5944	509	6562	526

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TABLE (20) : UNWEIGHTED GROSS YIELD RATE (KILOGRAM/HECTARE) OF IRRIGATED AND NON-IRRIGATED CROP BY STATES AND BY SUB-SAMPLES.

crop : bajra

States	sub-sample 1						sub-sample 2						sub-samples 1 & 2 combined					
	irrigated		non-irrigated		combined		irrigated		non-irrigated		combined		irrigated		non-irrigated		combined	
	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1. Andhra Pradesh . . . . .	88	381	171	287	259	319	76	150	192	194	268	182	164	274	363	238	527	249
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	..	..	..	..	..	..	..	..	2	27	2	27	..	..	2	27	2	27
4. Delhi . . . . .	..	..	12	182	12	182	2	234	8	165	10	179	2	234	20	175	22	181
5. Goa, Daman, & Diu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	83	1018	190	628	273	746	56	1359	200	782	256	908	139	1155	390	707	529	824
7. Haryana . . . . .	20	723	102	226	122	308	12	516	94	186	106	223	32	645	196	207	228	268
8. Himachal Pradesh . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Jammu & Kashmir . . . . .	..	..	18	272	18	272	..	..	34	562	34	562	..	..	52	462	52	462
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	..	..	60	422	60	422	..	..	72	291	72	291	..	..	132	351	132	350
12. Maharashtra . . . . .	13	1840	158	384	171	495	30	880	242	266	272	334	43	1170	400	313	443	396
13. Manipur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . . . .	..	..	32	128	32	128	4	74	87	70	91	70	4	74	119	86	123	85
15. Orissa . . . . .	..	..	..	..	..	..	..	..	4	329	4	329	..	..	4	329	4	329
16. Pondichery . . . . .	6	871	..	..	6	871	2	0	..	..	2	0	8	653	..	..	8	653
17. Punjab . . . . .	4	594	12	379	16	433	24	795	2	257	26	754	28	766	14	362	42	632
18. Rajasthan . . . . .	8	693	232	139	240	157	8	504	306	137	314	146	16	598	538	138	554	151
19. Tamil Nadu . . . . .	112	479	142	184	254	314	116	694	160	179	276	396	228	588	302	181	530	357
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . . . . .	14	450	286	401	300	404	34	1040	242	375	276	457	48	868	528	389	576	429
22. West Bengal . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>23. All India . . . . .</b>	<b>348</b>	<b>660</b>	<b>1415</b>	<b>332</b>	<b>1763</b>	<b>396</b>	<b>364</b>	<b>714</b>	<b>1645</b>	<b>296</b>	<b>2009</b>	<b>371</b>	<b>712</b>	<b>688</b>	<b>3060</b>	<b>313</b>	<b>5772</b>	<b>383</b>

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TABLE (21) : U NWEIGHTED GROSS YIELD RATE (KILOGRAM/HECTARE) OF IRRIGATED/NON-IRRIGATED CROPS BY STATES AND SUB-SAMPLES

crop - ragi

States	sub-sample 1						sub-sample 2						sub-samples 1 & 2 combined					
	irrigated		non-irrigated		combined		irrigated		non-irrigated		combined		irrigated		non-irrigated		combined	
	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1. Andhra Pradesh	223	988	85	297	308	798	251	971	78	788	329	928	474	977	163	532	637	865
2. Assam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar	..	..	132	513	132	513	4	273	120	615	124	604	4	273	252	562	256	557
4. Delhi	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Goa, Diman, & Diu	..	..	4	614	4	614	..	..	..	..	..	..	..	..	4	614	4	614
6. Gujarat	..	..	15	612	15	612	..	..	4	323	4	323	..	..	19	551	19	551
7. Haryana	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Himachal Pradesh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Jammu & Kashmir	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10. Kerala	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh	..	..	14	413	14	413	..	..	16	814	16	814	..	..	30	627	30	627
12. Maharashtra	4	768	24	889	28	872	2	1991	46	660	48	716	6	1176	70	739	76	773
13. Manipur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore	54	878	136	543	190	638	64	605	134	482	198	522	118	730	270	513	388	579
15. Orissa	..	..	57	624	57	624	..	..	52	1303	52	1303	..	..	109	948	109	948
16. Pondicherry	14	1407	..	..	14	1407	12	1344	..	..	12	1344	26	1378	..	..	26	1378
17. Punjab	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18. Rajasthan	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19. Tamil Nadu	319	1225	46	416	365	1123	237	990	24	483	261	943	556	1125	70	439	626	1048
20. Tripura	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh	10	285	66	422	76	404	6	490	51	429	57	436	16	362	117	425	133	418
22. West Bengal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23. All India	624	1097	579	498	1023	809	576	940	525	659	1101	806	1200	1022	1104	575	2304	808

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TABLE (22) : UNWEIGHTED GROSS YIELD RATE (KILOGRAM/HECTARE) OF IRRIGATED &amp; NON-IRRIGATED CROPS BY STATES AND SUB-SAMPLES

crop : maize

States	sub-sample 1						sub-sample 2						sub-samples 1 & 2 combined					
	irrigated		non-irrigated		combined		irrigated		non-irrigated		combined		irrigated		non-irrigated		combined	
	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1. Andhra Pradesh . . . . .	76	1152	68	852	144	1,011	110	1,074	53	703	163	953	186	1,106	121	787	307	985
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	..	..	360	711	360	711	..	..	440	708	440	708	..	..	800	709	800	709
4. Delhi . . . . .	..	..	..	..	..	..	2	561	..	..	2	561	2	561	..	..	2	561
5. Goa, Daman, Diu . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	22	650	40	342	62	451	20	1,034	44	717	64	817	42	833	84	538	126	637
7. Haryana . . . . .	10	283	..	..	10	283	8	884	22	553	30	642	18	550	22	553	40	552
8. Himachal Pradesh . . . . .	8	2179	71	2262	79	2254	12	1186	68	971	80	1853	20	1,583	139	2120	159	2052
9. Jammu & Kashmir . . . . .	12	2,862	203	1,246	220	1,334	20	2,491	208	1,298	228	1,403	32	2,630	416	1,272	448	1,369
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh . . . . .	2	275	248	315	250	315	26	197	328	309	354	301	28	203	576	312	604	307
12. Maharashtra . . . . .	6	1,035	16	1,105	22	1,086	4	0	6	0	10	0	10	621	22	804	32	747
13. Manipur . . . . .	..	..	12	3,415	12	3,415	..	..	24	2,805	24	2,805	..	..	36	3,008	36	3,008
14. Mysore . . . . .	35	2,453	5	1,335	40	2,313	8	1,776	10	413	18	1,019	43	2,327	15	720	58	1,911
15. Orissa . . . . .	..	..	34	1,500	34	1,500	..	..	30	2,528	30	2,528	..	..	64	1,982	64	1,982
16. Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab . . . . .	102	1,637	26	860	128	1,479	74	1,743	58	820	132	1,338	176	1,682	84	832	260	1,407
18. Rajasthan . . . . .	80	774	76	414	156	599	32	664	100	385	132	453	112	743	176	398	288	532
19. Tamil Nadu . . . . .	8	928	..	..	8	928	8	318	..	..	8	318	16	623	..	..	16	623
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . . . . .	42	1,062	215	1,132	257	1,121	126	1,182	236	979	362	1,049	168	1,152	451	1,052	619	1,079
22. West Bengal . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23. All India . . . . .	403	1,315	1,379	899	1,782	991	450	1,182	1,627	837	2,077	912	853	1,245	3,006	865	3,859	948

TABLE (23) : UNWEIGHTED GROSS YIELD RATE(KILOGRAM/HECTARE) OF IRRIGATED AND NON-IRRIGATED CROPS BY STATES AND SUB-SAMPLES

crop : wheat

States	sub-sample 1						sub-sample 2						sub-samples 1 & 2 combined					
	irrigated		non-irrigated		combined		irrigated		non-irrigated		combined		irrigated		non-irrigated		combined	
	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1. Andhra Pradesh	2	0	..	..	2	0	6	2705	..	..	6	2705	8	2029	..	..	8	2029
2. Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar . . . . .	204	988	301	572	505	740	164	920	335	676	499	756	368	958	636	627	1,004	748
4. Delhi . . . . .	16	1,976	13	380	29	1,260	14	1,770	8	340	22	1,250	30	1,880	21	365	51	1,256
5. Goa, Daman & Diu	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat . . . . .	179	1,290	9	403	188	1,248	188	1,550	22	584	210	1,449	367	1,423	31	531	398	1,354
7. Haryana . . . . .	79	1,464	39	521	118	1,152	75	1,123	35	660	110	976	154	1,293	74	587	228	1,067
8. Himachal Pradesh .	3	787	41	831	44	828	..	..	23	652	23	652	3	787	64	767	67	768
9. Jammu & Kashmir .	11	2,791	59	901	70	1,198	..	..	88	747	88	747	11	2,791	147	809	158	947
10. Kerala . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh .	29	1,278	253	474	282	557	104	1,137	386	440	490	598	133	1,168	639	453	772	577
12. Maharashtra . . .	73	1,092	101	555	174	781	90	1,030	102	499	192	748	163	1,058	203	527	366	764
13. Manipur . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore . . . . .	10	655	6	501	16	597	8	422	6	792	14	581	18	551	12	646	30	590
15. Orissa . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16. Pondicherry . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab . . . . .	125	1,878	34	650	159	1,615	132	2,026	42	867	174	1,746	257	1,954	76	770	333	1,683
18. Rajasthan . . . .	199	911	49	719	248	873	162	673	60	341	222	534	361	804	109	511	470	736
19. TamilNadu . . . .	..	..	..	..	..	..	..	..	2	531	2	531	..	..	2	531	2	531
20. Tripura . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh . .	879	1,113	284	556	1,163	979	868	1,095	281	459	1,149	943	1,747	1,105	565	518	2,312	961
22. West Bengal . . .	10	1,931	9	1,509	19	1,731	38	1,477	20	1,787	58	1,584	48	1,572	29	1,700	77	1,620
23. All India . . . . .	1,919	1,130	1,193	534	3,017	944	1,349	1,171	1,410	555	3,259	939	3,653	1,175	2,606	574	6,276	926

TABLE (24) : UNWEIGHTED GROSS YIELD RATE (KILOGRAM/HECTARE) OF IRRIGATED & NON-IRRIGATED CROPS BY STATES AND SUB-SAMPLES

crop : Barley

States	sub-sample 1						sub-sample 2						sub-samples 1 & 2 combined					
	irrigated		non-irrigated		combined		irrigated		non-irrigated		combined		irrigated		non-irrigated		combined	
	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate	no. of cuts	yield rate
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
1. Andhra Pradesh	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2. Assam	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Bihar	52	385	228	282	280	301	13	531	183	376	196	386	66	414	411	324	476	336
4. Delhi	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Goa, Daman & Diu	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Gujarat	1	759	..	..	1	759	..	..	2	259	2	259	1	759	2	259	3	426
7. Haryana	14	727	15	502	29	611	8	701	2	493	10	659	22	718	17	501	39	623
8. Himachal Pradesh	..	..	4	1,334	4	1,334	..	..	3	228	3	228	..	..	7	860	7	860
9. Jammu & Kashmir	..	..	..	..	..	..	..	..	7	411	7	411	..	..	7	411	7	411
10. Kerala	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11. Madhya Pradesh	4	190	35	226	39	223	18	543	44	166	62	276	22	479	79	193	101	256
12. Maharashtra	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13. Manipur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14. Mysore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15. Orissa	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16. Pondicherry	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17. Punjab	2	483	3	180	5	301	1	1,189	1	754	2	972	3	718	4	323	7	499
18. Rajasthan	106	1,038	28	589	134	944	123	1,000	14	513	137	950	229	1,018	42	564	271	947
19. Tamil Nadu	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20. Tripura	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21. Uttar Pradesh	272	692	111	354	383	594	259	715	192	316	451	546	531	703	303	330	834	568
22. West Bengal	6	636	5	1,454	11	1,008	1	711	35	547	36	551	7	647	40	660	47	658
23. All India	457	732	429	347	886	546	423	786	483	350	906	553	880	758	912	349	1,792	550

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TABLE (25) : DISTRIBUTION OF SAMPLE CUTS (ALL SEASONS COMBINED) BY GREEN YIELD OF CROP IN SAMPLE CUT OF RADIUS 4' BY SUB-SAMPLES

ALL INDIA

crop : paddy

green yield in sample cut (grams)	number of cuts								
	sub-sample 1			sub-sample 2			sub-sample 1 & 2 combined		
	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0 . . . . .	385	36	421	370	24	394	755	60	815
1— 99 . . . . .	129	24	153	139	24	163	268	48	316
0— 99 . . . . .	514	60	574	509	48	557	1023	108	1131
100— 199 . . . . .	146	34	180	168	14	182	314	48	362
200— 299 . . . . .	208	19	227	201	23	224	409	42	451
300— 399 . . . . .	269	21	290	256	20	276	525	41	566
400— 499 . . . . .	294	16	310	240	15	255	534	31	565
500— 599 . . . . .	288	20	308	322	12	334	610	32	642
600— 699 . . . . .	333	13	346	360	12	372	693	25	718
700— 799 . . . . .	315	13	328	362	9	371	677	22	699
800— 899 . . . . .	274	7	281	384	8	392	658	15	673
900— 999 . . . . .	276	9	285	326	7	333	602	16	618
1000—1099 . . . . .	246	12	258	326	4	330	572	16	588
1100—1199 . . . . .	264	2	266	275	4	279	539	6	545
1200—1299 . . . . .	212	2	214	275	..	275	487	2	489
1300—1399 . . . . .	195	3	198	238	2	240	433	5	438
1400—1499 . . . . .	158	1	159	184	..	184	342	1	343
1500—1599 . . . . .	115	3	118	139	..	139	254	3	257
1600—1699 . . . . .	112	..	112	107	1	108	219	1	220
1700—1799 . . . . .	74	1	75	100	..	100	174	1	175
1800—1899 . . . . .	70	..	70	63	..	63	133	..	133
1900—1999 . . . . .	41	1	42	51	..	51	92	1	93
2000—2099 . . . . .	46	..	46	36	..	36	82	..	82
2100—2199 . . . . .	46	..	46	25	..	25	71	..	71
2200—2399 . . . . .	45	..	45	47	..	47	92	..	92
2400—2599 . . . . .	33	..	33	35	..	35	68	..	68
2600—2999 . . . . .	34	..	34	42	..	42	76	..	76
3000 & above . . . . .	7	..	7	20	..	20	27	..	27
<b>TOTAL</b> . . . . .	<b>4615</b>	<b>237</b>	<b>4852</b>	<b>5091</b>	<b>179</b>	<b>5270</b>	<b>9706</b>	<b>416</b>	<b>10122</b>

TABLE (26) : DISTRIBUTION OF SAMPLE CUTS (ALL SEASONS COMBINED) BY GREEN YIELD OF CROP IN SAMPLE CUT OF RADIUS 4' BY SUB-SAMPLES

ALL-INDIA

crop : jowar

green yield in sample cut (grams)	number of cuts								
	sub-sample 1			sub-sample 2			sub-sample 1 & 2 comb.		
	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0 . . .	137	446	583	124	477	601	261	923	1184
1—99 . . .	56	309	365	41	264	305	97	573	670
0—99 . . .	193	755	948	165	741	906	358	1496	1854
100—199 . . .	56	267	323	59	287	346	115	554	669
200—299 . . .	61	236	297	56	252	308	117	488	605
300—399 . . .	63	240	303	48	235	283	111	475	586
400—499 . . .	94	213	307	48	172	220	142	385	527
500—599 . . .	67	162	229	51	178	229	118	340	458
600—699 . . .	57	139	196	37	133	170	92	272	366
700—799 . . .	42	110	152	45	110	155	87	220	30
800—899 . . .	45	92	137	34	89	123	79	181	260
900—999 . . .	17	69	86	27	65	92	44	134	178
1000—1099 . . .	19	44	63	18	51	69	37	95	132
1100—1199 . . .	25	47	72	25	42	67	50	89	139
1200—1299 . . .	24	28	32	16	26	42	40	54	94
1300—1399 . . .	15	17	32	12	32	44	27	49	76
1400—1499 . . .	14	18	32	13	20	33	27	38	65
1500—1599 . . .	11	13	24	12	15	27	23	28	51
1600—1699 . . .	8	14	22	9	8	17	17	22	39
1700—1799 . . .	5	12	17	10	2	12	15	14	29
1800—1999 . . .	7	11	18	19	12	31	26	23	49
2000—2299 . . .	10	5	15	9	4	13	19	9	28
2300—2599 . . .	7	7	14	7	1	8	14	8	22
2600—2999 . . .	8	1	9	4	3	7	12	4	16
3000 & above . . .	6	2	8	7	..	7	13	2	15
<b>TOTAL</b> . . .	<b>854</b>	<b>2502</b>	<b>3356</b>	<b>731</b>	<b>2478</b>	<b>3209</b>	<b>1585</b>	<b>4980</b>	<b>6565</b>

TABLE (27) : DISTRIBUTION OF SAMPLE CUTS (ALL SEASONS COMBINED) BY GREEN YIELD OF CROP IN SAMPLE CUT OF RADIUS 4" BY SUB-SAMPLES

ALL-INDIA

crop : bajra

green yield in sample cut (grams)	number of cuts								
	sub-sample 1			sub-sample 2			sub-sample 1 & 2 comb.		
	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0 . . .	113	255	368	147	358	505	260	613	873
1— 99 . . .	64	197	261	44	220	264	108	417	525
0— 99 . . .	177	452	629	191	578	769	368	1030	1398
100— 199 . . .	74	127	201	69	209	278	143	336	479
200— 299 . . .	61	99	160	76	150	226	137	249	386
300— 399 . . .	49	85	134	36	94	130	85	179	264
400— 499 . . .	42	76	118	31	73	104	73	149	222
500— 599 . . .	46	72	118	37	67	104	83	139	222
600— 699 . . .	51	71	122	27	30	57	78	101	179
700— 799 . . .	43	38	81	22	37	59	65	75	140
800— 899 . . .	33	28	61	32	20	52	65	48	113
900— 999 . . .	22	21	43	17	28	45	39	49	88
1000—1099 . . .	14	14	28	16	9	25	30	23	53
1100—1199 . . .	9	12	21	25	13	38	34	25	59
1200—1299 . . .	8	5	13	15	13	28	23	18	41
1300—1399 . . .	9	6	15	14	16	30	23	22	45
1400—1499 . . .	11	3	14	9	11	20	20	14	34
1500—1599 . . .	5	1	6	7	5	12	12	6	18
1600—1999 . . .	4	..	4	10	8	18	14	8	22
2000 & above . . .	4	..	4	14	..	14	18	..	18
<b>TOTAL</b> . . .	662	1110	1772	648	1361	2009	1310	2471	3781

TABLE (28) : DISTRIBUTION OF SAMPLE CUTS (ALL SEASONS COMBINED) BY GREEN YIELD OF CROP IN SAMPLE CUT OF RADIUS 4' BY SUB-SAMPLES

ALL-INDIA										crop : ragi
green yield in sample cut (grams)	number of cuts									
	sub-sample 1			sub-sample 2			sub-sample 1 & 2 comb.			
	pure	mixed	total	pure	mixed	total	pure	mixed	total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
0 . .	122	48	170	87	47	134	209	95	304	
1— 99 . .	17	16	33	14	24	38	31	40	71	
0— 99 . .	139	64	203	101	71	172	240	135	375	
100— 199 . .	26	31	57	25	26	51	51	57	108	
200— 299 . .	40	30	70	32	36	68	72	66	138	
300— 399 . .	52	35	87	39	27	66	91	62	153	
400— 499 . .	52	45	97	45	29	74	97	74	171	
500— 599 . .	43	30	73	40	29	69	83	59	142	
600— 699 . .	55	31	86	26	17	43	81	48	129	
700— 799 . .	37	19	56	59	29	88	96	48	144	
800— 899 . .	37	25	62	54	14	68	91	39	130	
900— 999 . .	29	5	34	46	17	63	75	22	97	
1000—1099 . .	41	15	56	31	7	38	72	22	94	
1100—1199 . .	30	15	45	38	4	42	68	19	87	
1200—1299 . .	33	8	41	30	6	36	63	14	77	
1300—1399 . .	25	10	35	35	7	42	60	17	77	
1400—1499 . .	27	7	34	24	4	28	51	11	62	
1500—1599 . .	18	2	20	25	2	27	43	4	47	
1600—1699 . .	14	3	17	19	..	19	33	3	36	
1700—1799 . .	13	4	17	12	1	13	25	5	30	
1800—1899 . .	21	1	22	17	1	18	38	2	40	
1900—2099 . .	21	1	22	25	2	27	46	3	49	
2100—2299 . .	16	1	17	14	..	14	30	1	31	
2300—2499 . .	16	..	16	9	2	11	25	2	27	
2500—2699 . .	9	2	11	6	1	7	15	3	18	
2700—2999 . .	13	..	15	7	3	10	20	3	23	
3000 & above . .	13	2	15	7	..	7	20	2	22	
<b>TOTAL . .</b>	<b>820</b>	<b>386</b>	<b>1206</b>	<b>766</b>	<b>335</b>	<b>1101</b>	<b>1586</b>	<b>721</b>	<b>2307</b>	



TABLE (29) : DISTRIBUTION OF SAMPLE CUTS (ALL SEASONS COMBINED) BY GREEN YIELD OF CROP IN SAMPLE CUT OF RADIUS 4' BY SUB-SAMPLES

ALL-INDIA crop : maize

green yield in sample cut (grams)	number of cuts								
	sub-sample 1			sub-sample 2			sub-sample 1 & 2 comb.		
	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0 . . . . .	131	232	363	181	236	417	312	468	780
1— 99 . . . . .	22	81	103	14	69	83	36	150	186
0— 99 . . . . .	153	313	466	195	305	500	348	618	966
100— 199 . . . . .	22	47	69	14	66	80	36	113	149
200— 299 . . . . .	19	60	79	30	51	81	49	111	160
300— 399 . . . . .	35	36	71	30	53	83	65	89	154
400— 499 . . . . .	26	48	74	30	60	90	56	108	164
500— 599 . . . . .	30	38	68	53	54	107	83	92	175
600— 699 . . . . .	35	39	74	34	62	96	69	101	170
700— 799 . . . . .	38	40	78	39	64	103	77	104	181
800— 899 . . . . .	26	46	72	23	70	93	49	116	165
900— 999 . . . . .	26	39	65	28	43	71	54	82	136
1000—1099 . . . . .	25	37	62	33	53	86	58	90	148
1100—1199 . . . . .	24	27	51	35	35	70	59	62	121
1200—1399 . . . . .	50	42	92	75	72	147	125	114	239
1400—1599 . . . . .	49	34	83	40	47	87	89	81	170
1600—1799 . . . . .	32	34	66	54	30	84	86	64	150
1800—1999 . . . . .	40	35	75	32	28	60	72	63	135
2000—2299 . . . . .	41	36	77	36	34	70	77	70	147
2300—2599 . . . . .	35	23	58	45	30	75	80	53	133
2600—2899 . . . . .	20	10	30	20	9	29	40	19	59
2900—3199 . . . . .	23	5	28	28	11	39	51	16	67
3200—3499 . . . . .	12	4	16	8	6	14	20	10	30
3500—3999 . . . . .	13	4	17	6	2	8	19	6	25
4000 & above . . . . .	11	4	15	3	1	4	14	5	19
<b>TOTAL</b> . . . . .	<b>785</b>	<b>1001</b>	<b>1786</b>	<b>891</b>	<b>1186</b>	<b>2077</b>	<b>1676</b>	<b>2187</b>	<b>3863</b>

TABLE (30) : DISTRIBUTION OF SAMPLE CUTS (ALL SEASONS COMBINED) BY GREEN YIELD OF CROP IN SAMPLE CUT OF RADIUS 4' BY SUB-SAMPLES

ALL-INDIA

crop : wheat

green yield in sample cut (grams)	number of cuts								
	sub-sample 1			sub-sample 2			sub-sample 1 & 2 comb.		
	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0 . . .	16	82	98	30	77	107	46	159	205
1— 99 . . .	18	158	176	17	191	208	35	349	384
0— 99 . . .	34	240	274	47	268	315	81	508	589
100— 199 . . .	36	166	202	42	214	256	78	380	458
200— 299 . . .	58	202	260	75	202	277	133	404	537
300— 399 . . .	87	194	281	58	227	285	145	421	566
400— 499 . . .	101	204	305	101	194	295	209	398	600
500— 599 . . .	68	150	218	84	183	267	152	333	485
600— 699 . . .	51	138	189	81	202	283	132	340	472
700— 799 . . .	39	121	160	59	150	202	98	271	369
800— 899 . . .	41	122	163	43	109	152	84	231	315
900— 999 . . .	28	111	139	46	108	154	74	219	293
1000—1099 . . .	43	103	146	39	74	113	82	177	259
1100—1199 . . .	42	61	103	36	62	98	78	123	201
1200—1299 . . .	35	57	92	30	57	87	65	114	179
1300—1399 . . .	26	53	79	36	42	78	62	95	157
1400—1499 . . .	26	35	61	26	34	60	52	69	121
1500—1599 . . .	25	28	53	25	29	54	50	57	107
1600—1699 . . .	23	23	46	20	15	35	43	38	813
1700—1799 . . .	14	21	35	17	20	37	31	41	72
1800—1899 . . .	21	17	38	18	14	32	39	31	70
1900—1999 . . .	12	13	25	17	12	29	29	25	54
2000—2099 . . .	10	13	23	15	15	30	25	28	53
2100—2199 . . .	9	12	21	6	7	13	15	19	34
2200—2399 . . .	14	19	33	16	11	27	30	30	60
2400—2599 . . .	21	16	37	11	12	23	32	28	60
2600—2999 . . .	17	8	25	21	13	34	38	21	59
3000 & above . . .	7	4	11	9	7	16	16	11	27
<b>TOTAL . . .</b>	<b>888</b>	<b>2131</b>	<b>3019</b>	<b>978</b>	<b>2281</b>	<b>3259</b>	<b>1866</b>	<b>4412</b>	<b>6278</b>

TABLE (31) : DISTRIBUTION OF SAMPLE CUTS (ALL SEASONS COMBINED) BY GREEN YIELD OF CROPS IN SAMPLE CUT OF RADIUS 4' BY SUB-SAMPLE

ALL-INDIA

crop : barley

green yield in sample cut (grams)	number of cuts								
	sub-sample 1			sub-sample 2			sub-sample 1 & 2 comb.		
	pure	mixed	total	pure	mixed	total	pure	mixed	total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0 . . .	9	98	107	5	53	58	14	151	165
1— 99 . . .	3	176	179	5	155	160	8	331	339
0— 99 . . .	12	274	286	10	208	218	22	482	504
100— 199 . . .	8	121	129	4	130	134	12	251	263
200— 299 . . .	10	87	97	7	146	153	17	233	250
300— 399 . . .	6	79	85	8	85	93	14	164	178
400— 499 . . .	8	41	49	4	73	77	12	114	126
500— 599 . . .	6	40	46	3	53	61	14	93	107
600— 699 . . .	1	36	37	6	32	38	7	68	75
700— 799 . . .	7	24	31	4	28	32	11	52	63
800— 899 . . .	1	17	18	3	16	19	4	33	37
900— 999 . . .	6	18	24	..	14	14	6	32	38
1000—1099 . . .	4	15	19	1	17	18	5	32	37
1100—1199 . . .	5	14	19	2	6	8	7	20	27
1200—1399 . . .	1	16	17	6	10	16	7	26	33
1400—1699 . . .	3	10	13	2	7	9	5	17	22
1700—1999 . . .	..	7	7	2	3	5	2	10	12
2000—2299 . . .	3	4	7	5	1	6	8	5	13
2300 & above . . .	1	2	3	1	4	5	2	6	8
<b>TOTAL</b> . . .	82	805	887	73	833	906	155	1638	1793

TABLE (32) : DISTRIBUTION OF SAMPLE CUTS (ALL SEASONS AND SUB-SAMPLES COMBINED) BY GREEN YIELD OF CROP IN SAMPLE CUTS OF RADIUS 4 FOR EACH IMPORTANT STATE GROWING THE CROP.

CROP : PADDY

green yield in sample cut (grams)	Andhra Pradesh			Assam			Bihar			Jammu & Kashmir			Kerala			Madhya Pradesh			Maharashtra		
	pure	mix- ed	com- bin- ed	pure	mix- ed	com- bin- ed	pure	mix- ed	com- bin- ed	pure	mix- ed	com- bin- ed	pure	mixed	com- bined	pure	mixed	com- bined	pure	mixed	com- bined
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
0 . . . . .	99	4	103	14	..	14	70	1	71	1	..	1	36	6	42	85	13	98	4	..	4
1— 199 . . . . .	45	5	50	9	..	9	98	17	115	2	..	2	22	9	31	128	15	143	14	7	21
0— 199 . . . . .	144	9	153	23	..	23	168	18	186	3	..	3	58	15	73	213	28	241	18	7	25
200— 399 . . . . .	68	2	70	24	..	24	177	16	193	9	..	9	75	13	88	88	7	95	49	7	56
400— 599 . . . . .	90	4	94	46	..	46	228	8	236	8	..	8	104	15	119	89	3	92	46	4	50
600— 799 . . . . .	107	3	110	65	2	67	198	5	203	15	..	15	142	9	151	96	..	96	56	5	61
800— 999 . . . . .	86	1	87	84	3	87	149	6	155	11	..	11	151	8	159	58	..	58	44	2	46
1000—1199 . . . . .	112	2	114	61	1	62	85	3	88	12	..	12	158	2	160	40	..	40	45	2	47
1200—1399 . . . . .	113	..	113	55	..	55	60	2	62	16	..	16	105	..	105	28	..	28	25	1	26
1400—1599 . . . . .	70	..	70	24	..	24	38	3	41	20	..	20	65	..	65	13	..	13	20	..	20
1600—1799 . . . . .	61	..	61	10	..	10	15	..	15	15	..	15	42	..	42	5	..	5	16	..	16
1800—1999 . . . . .	42	..	42	5	..	5	5	..	5	15	..	15	29	1	30	3	..	3	7	..	7
2000 & above . . . . .	88	..	88	2	..	2	2	..	2	123	..	123	26	..	26	2	..	2	10	..	10
<b>TOTAL</b>	981	21	1,002	399	6	405	1,125	61	1,186	247	..	247	955	63	1,018	635	38	673	336	28	364

Land Utilisation Survey and Crop-cutting Experiments

TABLE(32) (Contd.) DISTRIBUTION OF SAMPLE CUTS (ALL SEASONS AND SUB-SAMPLES COMBINED) BY GREEN YIELD OF CROP IN SAMPLE CUTS OF RADIUS 4' FOR EACH IMPORTANT STATE GROWING THE CROP.

CROP : PADDY

green yield in sample cut (grams)	Manipur			Mysore			Orissa			Tamil Nadu			Tripura			Uttar Pradesh			West Bengal				
	pure	mix- ed	com- bin- ed	pure	mix- ed	com- bin- ed	pure	mix- ed	com- bin- ed	pure	mix- ed	com- bin- ed	pure	mix- ed	com- bined	pure	mixed	com- bined	pure	mixed	com- bined		
(1)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)		
0	.	.	..	..	12	3	15	19	..	19	107	..	107	38	1	39	215	17	232	15	..	15	
1— 199	.	.	..	..	9	..	9	25	1	26	24	..	24	17	3	20	146	29	175	7	..	7	
0— 199	.	.	..	..	21	3	24	44	1	45	131	..	131	55	4	59	361	46	407	22	..	22	
200— 399	.	.	3	..	3	17	1	18	72	1	73	34	..	34	38	4	42	203	26	229	41	..	41
400— 599	.	.	5	..	5	20	2	22	106	..	106	41	1	42	53	5	58	146	18	164	154	..	184
600— 799	.	.	21	..	21	32	..	32	139	1	140	86	..	86	66	6	72	302	13	325	141	..	141
800— 999	.	.	36	..	36	35	..	35	139	1	140	101	..	101	81	3	84	81	5	86	163	..	163
1000—1199	.	.	82	..	82	23	..	23	74	..	74	153	1	154	48	..	48	61	9	70	122	..	122
1200—1399	.	.	103	..	103	13	..	13	33	..	33	167	..	167	20	..	20	73	8	76	70	..	70
1400—1599	.	.	43	..	43	13	..	13	19	..	19	147	..	147	12	..	12	23	1	24	54	..	54
1600—1799	.	.	15	..	15	17	..	17	17	..	17	111	1	112	7	..	7	12	1	13	25	..	25
1800—1999	.	.	3	..	3	6	..	6	2	..	2	85	..	85	..	..	9	9	..	9	8	..	8
2000 & above.	.	.	3	..	3	19	..	19	..	..	98	..	98	..	..	..	8	8	..	8	13	..	13
TOTAL	.	314	..	314	216	6	222	645	4	649	1,154	3	1,157	380	22	402	1,139	122	1,261	793	..	793	

National Sample Survey

TABLE (33) : DISTRIBUTION OF SAMPLE CUTS (ALL SEASONS AND SUB-SAMPLES COMBINED) BY GREEN YIELD OF CROP IN SAMPLE CUTS OF RADIUS 4/ FOR EACH IMPORTANT STATE GROWING THE CROP

CROP : JOWAR

green yield in sample cut (grams)	Andhra Pradesh			Gujarat			Madhya Pradesh			Maharashtra		
	pure	mixed	combined	pure	mixed	combined	pure	mixed	combined	pure	mixed	combined
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
0 . . . . .	58	169	227	31	23	54	14	137	151	40	176	216
1— 199 . . . . .	40	173	213	12	8	20	19	192	211	73	153	226
0— 199 . . . . .	98	342	440	43	31	74	33	329	362	113	329	442
200— 399 . . . . .	47	143	190	24	24	48	12	247	259	94	211	305
400— 599 . . . . .	61	80	141	41	24	65	10	200	210	85	250	335
600— 799 . . . . .	16	61	77	29	22	51	4	137	141	78	166	244
800— 999 . . . . .	11	49	60	27	24	51	7	81	88	58	107	165
1000—1199 . . . . .	11	30	41	13	13	26	3	38	41	38	64	102
1200—1399 . . . . .	5	12	17	13	18	31	2	20	22	28	27	55
1400—1599 . . . . .	3	14	17	5	12	17	3	10	13	24	18	42
1600—1799 . . . . .	5	8	13	1	2	3	2	5	7	15	14	29
1800—1999 . . . . .	6	2	8	5	1	6	..	4	4	9	8	17
2000 & above. . . . .	5	..	5	7	..	7	1	6	7	25	9	34
<b>TOTAL</b>	268	741	1009	208	171	379	77	1077	1154	567	1203	1770

Land Utilisation Survey and Co-operating Experiments

**TABLE (33) (Contd.) : DISTRIBUTION OF SAMPLE CUTS (ALL SEASONS AND SUB-SAMPLES COMBINED) BY GREEN YIELD OF CROP IN SAMPLE CUTS OF RADIUS 4' FOR EACH IMPORTANT STATE GROWING THE CROP**

CROP : JOWAR

green yield in sample cut (gram)	Mysore			Rajasthan			Tamil Nadu			Uttar Pradesh		
	pure	mixed	combined	pure	mixed	combined	pure	mixed	combined	pure	mixed	combined
(1)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
0 . . . . .	49	52	101	20	56	76	49	96	145	..	186	186
1— 199 . . . . .	30	189	219	13	82	95	23	160	183	2	152	154
0— 199 . . . . .	79	241	320	33	138	171	72	256	328	2	338	340
200— 399 . . . . .	33	125	158	2	33	35	16	59	75	..	114	114
400— 599 . . . . .	33	51	84	4	21	25	21	25	46	..	69	69
600— 799 . . . . .	28	30	58	2	8	10	21	12	38	..	46	46
800— 999 . . . . .	13	17	30	..	6	6	7	12	19	..	19	19
1000—1199 . . . . .	9	11	20	..	4	4	12	12	24	..	12	12
1200—1399 . . . . .	11	7	18	..	2	2	6	9	15	..	5	5
1400—1599 . . . . .	6	4	10	..	1	1	7	1	8	..	4	4
1600—1799 . . . . .	4	5	9	..	..	..	2	2	4	..	..	..
1800—1999 . . . . .	..	2	2	..	2	2	1	..	1	..	1	1
2000 & above. . . . .	14	3	17	1	1	2	2	2	4	..	2	2
<b>TOTAL</b> . . . . .	230	496	726	42	216	258	167	390	557	2	610	612

TABLE (34) : DISTRIBUTION OF SAMPLE CUTS (ALL SEASONS AND SUB-SAMPLES COMBINED) BY GREEN YIELD OF CROP IN SAMPLE CUTS OF RADIUS 4' FOR EACH IMPORTANT STATE GROWING THE CROP

CROP : BAJRA

green yield in sample cut (grams)	Andhra Pradesh			Gujarat			Haryana			Maharashtra			Rajasthan			Tamil Nadu			Uttar Pradesh		
	pure	mix-ed	com-bin-ed	pure	mix-ed	com-bin-ed	pure	mix-ed	com-bin-ed	pure	mix-ed	com-bin-ed	pure	mix-ed	com-bined	pure	mix-ed	com-bined	pure	mix-ed	com-bined
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
0 . . .	89	111	200	23	47	70	3	67	70	6	35	41	69	73	147	49	92	141	6	136	142
1— 199 . . .	54	72	126	18	20	38	14	42	56	35	133	168	60	191	251	26	99	125	..	91	91
0— 199 . . .	143	183	326	41	67	108	17	109	126	41	168	209	129	269	398	75	191	266	6	227	233
200— 399 . . .	47	30	77	30	47	77	23	14	37	61	54	115	14	70	84	22	66	88	..	105	105
400— 599 . . .	36	14	50	28	50	78	16	15	31	17	34	51	11	32	43	31	25	56	5	92	97
600— 799 . . .	37	4	41	34	41	75	7	7	14	11	17	28	5	12	17	31	19	50	5	55	60
800— 999 . . .	15	..	15	30	17	47	7	2	9	6	9	15	2	7	9	29	12	41	3	42	45
1000—1199 . . .	8	..	8	27	19	46	3	1	4	6	4	10	1	2	3	14	3	17	..	17	17
1200—1399 . . .	5	1	6	27	23	50	1	..	1	3	..	3	..	4	4	6	2	8	..	10	10
1400—1599 . . .	..	1	1	17	12	29	3	..	3	5	1	6	..	11	1	2	..	2	2	5	7
1600 & above . . .	3	..	3	14	6	20	3	..	3	6	..	6	..	1	1	4	..	4	1	1	2
TOTAL	294	233	527	248	282	530	80	148	228	156	287	443	162	398	560	214	318	532	22	554	576

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TABLE (35) : DISTRIBUTION OF SAMPLE CUTS (ALL SEASONS AND SUB-SAMPLES COMBINED) BY GREEN YIELD OF CROP IN SAMPLE CUTS OF RADIUS 4' FOR EACH IMPORTANT STATE GROWING THE CROP

CROP : RAGI

green yield in sample cut (grams)	Andhra Pradesh			Bihar			Mysore			Tamil Nadu		
	pure	mixed	combined	pure	mixed	combined	pure	mixed	combined	pure	mixed	combined
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
0 . . . . .	60	19	79	33	8	41	29	23	52	81	12	93
1— 199 . . . . .	14	18	32	5	15	20	22	31	53	27	16	43
0— 199 . . . . .	74	37	111	38	23	61	51	54	105	108	28	136
200— 399 . . . . .	64	18	82	21	19	40	21	54	75	23	10	33
400— 599 . . . . .	44	21	65	31	22	53	20	48	68	34	11	45
600— 799 . . . . .	69	6	75	31	21	52	13	43	56	40	11	51
800— 999 . . . . .	60	6	66	26	9	35	11	21	32	43	17	60
1000—1199 . . . . .	42	4	46	5	1	6	11	9	20	62	17	79
1200—1399 . . . . .	35	11	46	5	1	6	1	7	8	53	7	60
1400—1599 . . . . .	18	3	21	3	..	3	2	4	6	48	4	52
1600—1799 . . . . .	22	4	26	..	..	..	5	..	5	24	1	25
1800—2099 . . . . .	43	4	47	..	..	..	3	..	3	35	..	35
2100—2499 . . . . .	25	..	25	..	..	..	5	..	5	24	..	24
2500 & above . . . . .	23	5	28	..	..	..	5	..	5	26	..	26
<b>Total . . . . .</b>	<b>519</b>	<b>119</b>	<b>636</b>	<b>160</b>	<b>96</b>	<b>256</b>	<b>148</b>	<b>240</b>	<b>388</b>	<b>520</b>	<b>106</b>	<b>626</b>

TABLE (36) : DISTRIBUTION OF SAMPLE CUTS (ALL SEASONS AND SUB-SAMPLES COMBINED) BY GREEN YIELD OF CROP IN SAMPLE CUTS OF RADIUS 4" FOR EACH IMPORTANT STATE GROWING THE CROP

CROP : MAIZE

green yield in sample cut (grams)	Andhra Pradesh			Bihar			Jammu & Kashmir			Madhya Pradesh			Punjab			Rajasthan			Uttar Pradesh		
	pure	mixed	combined	pure	mixed	combined	pure	mixed	combined	pure	mixed	combined	pure	mixed	combined	pure	mixed	combined	pure	mixed	combined
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
0	20	18	38	56	173	229	18	3	21	81	145	226	51	3	54	16	35	51	11	58	69
1—199	11	9	20	8	33	41	9	4	13	22	116	138	9	..	9	4	64	68	1	34	35
0—199	31	27	58	64	206	270	27	7	34	103	261	364	60	3	63	20	99	119	12	92	104
200—399	2	8	10	10	57	67	33	10	43	22	40	62	10	..	10	10	32	42	10	36	46
400—599	23	15	38	16	61	77	38	7	45	17	33	50	9	1	10	7	16	23	3	45	48
600—799	17	27	44	15	58	73	52	8	60	21	17	38	12	..	12	5	12	17	6	64	70
800—999	13	14	27	13	64	77	32	5	37	7	16	23	8	..	8	7	19	26	7	60	67
1000—1199	10	7	17	12	58	70	33	5	38	7	8	15	21	..	21	8	13	21	7	51	58
1200—1399	14	5	19	14	42	56	36	5	41	8	2	10	20	..	20	..	6	6	7	48	55
1400—1599	9	7	16	7	23	30	29	5	34	6	3	9	18	1	19	2	10	12	4	29	33
1600—1799	13	1	14	4	18	22	23	8	31	3	3	6	18	..	18	..	7	7	5	22	27
1800—1999	8	5	13	8	21	29	16	6	22	2	2	4	14	1	15	3	6	9	1	16	17
2000—2599	16	17	33	7	19	26	21	14	35	14	5	19	40	..	40	1	2	3	4	54	58
2600—3199	11	5	16	4	2	6	11	3	14	1	2	3	17	..	17	3	..	3	6	21	27
3200 & above	..	2	2	..	1	1	11	3	14	1	..	1	7	..	7	..	..	..	1	8	9
TOTAL	167	140	307	174	630	804	362	86	448	212	392	604	254	6	260	66	222	288	73	546	619

Land Utilisation Survey and Crop-cutting Experiments

**TABLE (37) : DISTRIBUTION OF SAMPLE CUTS (ALL SEASONS AND SUB-SAMPLES COMBINED) BY GREEN YIELD OF CROP IN SAMPLE CUTS OF RADIUS 4' FOR EACH IMPORTANT STATE GROWING THE CROP**

CROP : WHEAT

green yield in sample cut (grams)	Bihar			Gujarat			Haryana			Madhya Pradesh		
	pure	mixed	combined	pure	mixed	combined	pure	mixed	combined	pure	mixed	combined
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
0	7	29	36	7	4	11	1	7	8	10	39	49
1— 199	211	105	126	4	4	8	4	14	18	30	139	169
0— 199	28	134	162	11	8	19	5	21	26	40	178	218
200— 399	56	186	242	21	5	26	8	16	24	52	149	201
400— 599	61	144	205	30	25	55	17	13	36	57	100	157
600—799	33	115	148	31	26	57	14	24	38	19	64	83
800— 999	18	85	103	28	29	57	11	18	29	15	25	40
1000—1199	27	34	61	34	6	40	11	10	21	16	9	25
1200—1399	16	19	35	28	11	39	8	11	19	8	5	13
1400—1599	14	5	19	15	7	22	6	6	12	2	5	7
1600—1799	9	4	13	16	7	23	3	5	8	3	1	4
1800—2199	5	8	13	24	6	30	7	4	11	8	4	12
2200—2599	1	2	3	14	3	17	6	1	7	3	..	3
2600—2999	..	2	2	10	..	10	7	1	8	5	3	8
3000 & above.	..	..	..	3	..	3	..	..	..	1	..	1
<b>TOTAL</b>	268	738	1006	265	133	398	99	129	228	229	543	772

TABLE (37) (Contd.) : DISTRIBUTION OF SAMPLE CUTS (ALL SEASONS AND SUB-SAMPLES COMBINED) BY GREEN YIELD OF CROP IN SAMPLE CUTS OF RADIUS 4' FOR EACH IMPORTANT STATE GROWING CROP

CROP : WHEAT

green yield in sample cut (grams)	Maharashtra			Punjab			Rajasthan			Uttar Pradesh		
	pure	mixed	combined	pure	mixed	combined	pure	mixed	combined	pure	mixed	combined
(1)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
0 . . . . .	7	4	11	3	4	7	4	9	13	2	60	62
1—199 . . . . .	15	20	35	3	11	14	15	114	129	9	297	306
0—199 . . . . .	22	24	46	6	15	21	19	123	142	11	357	368
200—399 . . . . .	55	40	95	11	8	19	10	77	87	33	317	350
400—599 . . . . .	71	36	107	19	18	37	13	38	51	45	933	375
600—799 . . . . .	35	10	45	15	15	30	19	32	51	20	309	329
800—999 . . . . .	19	8	27	18	18	36	14	17	31	9	233	242
1000—1199 . . . . .	17	1	18	23	5	28	8	10	18	11	217	228
1200—1399 . . . . .	5	2	7	24	7	31	8	9	17	9	140	149
1400—1599 . . . . .	3	3	6	23	3	26	9	5	14	6	90	96
1600—1799 . . . . .	5	..	5	17	4	21	5	6	11	2	50	52
1800—2199 . . . . .	6	1	7	30	5	35	10	14	24	7	57	64
2200—2599 . . . . .	..	1	1	19	7	26	9	8	17	2	35	37
2600—2999 . . . . .	1	..	1	13	1	14	4	2	6	1	13	14
3000 & above . . . . .	1	1	1	7	2	9	1	..	1	1	7	8
<b>TOTAL</b> . . . . .	<b>240</b>	<b>126</b>	<b>366</b>	<b>225</b>	<b>108</b>	<b>333</b>	<b>129</b>	<b>341</b>	<b>470</b>	<b>157</b>	<b>2155</b>	<b>2312</b>

Land Utilisation Survey and Crop-cutting Experiments

TABLE (38) : DISTRIBUTION OF SAMPLE CUTS (ALL SEASONS AND SUB-SAMPLES COMBINED) BY GREEN YIELD OF CROP IN SAMPLE CUTS OF RADIUS 4' FOR EACH IMPORTANT STATE GROWING THE CROP

CROP : BARLEY

green yield in sample cut (grams)	Bihar			Rajasthan			Uttar Pradesh		
	pure	mixed	combined	pure	mixed	combined	pure	mixed	combined
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0 . . . . .	7	36	43	..	13	13	4	73	77
1— 199 . . . . .	9	211	220	2	56	58	4	266	270
0— 199 . . . . .	16	247	263	2	69	71	8	339	347
200— 399 . . . . .	11	112	123	1	47	48	7	188	195
400— 599 . . . . .	7	40	47	3	26	29	4	127	131
600— 799 . . . . .	6	16	22	..	33	33	3	65	68
800— 999 . . . . .	2	7	9	2	17	19	2	35	37
1000—1199 . . . . .	5	6	11	3	14	17	..	28	28
1200—1399 . . . . .	2	..	2	3	13	16	..	13	13
1400—1699 . . . . .	..	..	..	3	8	11	..	9	9
1700—1999 . . . . .	..	..	..	2	4	6	..	6	6
2000 & above . . . . .	..	..	..	10	11	21	..	..	..
<b>TOTAL</b> . . . . .	49	428	477	29	242	271	24	810	834

TABLE (39) : UNWEIGHTED GROSS YIELD RATE OF DRY CROP BY VARIETY OF SEED AND BY SUB-SAMPLES (ALL SEASONS COMBINED) —ALL INDIA

variety of seed*	sub-sample	number of sample						gross yield rate (kilogram/hectare)		
		fields			cuts			pure	mixed	pure & mixed
		pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<i>rice</i>										
1	1	119	11	130	119	13	132	1542	609	1450
	2	234	5	239	234	5	239	1477	1035	1468
	C	353	16	369	353	18	371	1499	727	1462
2	1	427	18	445	429	18	447	1111	706	1094
	2	342	5	347	343	5	348	1209	240	1194
	C	769	23	792	772	23	795	1155	605	1138
3	1	188	3	191	188	3	191	1349	—	1328
	2	244	1	245	244	1	245	1590	334	1576
	C	432	4	436	432	4	436	1479	84	1467
4	1	716	35	751	716	35	751	1225	602	1196
	2	1086	29	1115	1091	30	1121	1123	818	1115
	C	1802	64	1866	1807	65	1872	1163	702	1147
5	1	3160	165	3325	3169	168	3337	956	476	932
	2	3172	136	3308	3179	138	3317	993	388	968
	C	6332	301	6633	6348	306	6654	975	436	950
all types	1	4610	232	4842	4621	237	4858	1043	513	1017
	2	5078	176	5254	5091	179	5270	1086	473	1065
	C	9688	408	10096	9712	416	10128	1065	496	1042

\* high yielding—1, short duration—2, high yielding and short duration—3, other improved varieties—4, others—5.

TABLE (39) (Contd.) : UNWEIGHTED GROSS YIELD RATE OF DRY CROP BY VARIETY OF SEED AND BY SUB-SAMPLES (ALL SEASONS COMBINED)—ALL INDIA

variety of seed*	sub-sample	number of sample						gross yield rate (kilogram/hectare)		
		fields			cuts			pure	mixed	pure and mixed
		pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<i>jowar</i>										
1	1	20	11	31	40	22	62	826	256	624
	2	26	22	48	52	42	94	915	1058	979
	C	46	33	79	92	64	156	876	782	838
2	1	30	64	94	60	127	187	625	325	421
	2	34	40	74	66	77	143	809	502	644
	C	64	104	168	126	204	330	721	392	518
3	1	63	32	95	127	64	191	1201	491	963
	2	40	22	62	80	42	122	1543	503	1185
	C	103	54	157	207	106	313	1333	496	1049
4	1	33	77	110	66	149	215	731	516	582
	2	44	132	176	88	265	353	591	359	417
	C	77	209	286	154	414	568	651	416	479
5	1	281	1076	1357	559	2144	2703	585	462	487
	2	225	1025	1250	445	2052	2497	666	458	495
	C	506	2101	2607	1004	4196	5200	621	460	491
all types	1	427	1260	1687	852	2506	3358	702	457	519
	2	369	1241	1610	731	2478	3209	783	460	533
	C	796	2501	3297	1583	4984	6567	739	458	526

\*high-yielding—1, short duration—2, high yielding and short duration—3, other improved varieties—4, others—5.

TABLE (39)(Contd.) : UNWEIGHTED GROSS YIELD RATE OF DRY CROP BY VARIETY OF SEED AND BY SUB-SAMPLES (ALL SEASONS COMBINED)—ALL INDIA

variety of seed*	sub-sample	number of sample						gross yield rate (kilogram/hectare)			
		fields			cuts			pure	mixed	pure & mixed	
		pure	mixed	total	pure	mixed	total				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
					<i>maize</i>						
1	1	29	18	47	51	36	87	1535	1553	1542	
	2	7	15	22	14	30	44	1299	262	592	
	C	36	33	69	65	66	131	1484	966	1223	
2	1	9	25	34	18	48	66	256	543	465	
	2	29	11	40	57	14	71	1696	378	1436	
	C	38	36	74	75	62	137	1350	506	968	
3	1	14	9	23	29	18	47	1483	1385	1618	
	2	11	6	17	20	12	32	1285	534	1004	
	C	25	15	40	49	30	79	1402	1315	1369	
4	1	79	39	118	158	78	236	1770	824	1457	
	2	60	71	131	119	142	261	1395	1022	1192	
	C	139	110	249	277	220	497	1609	952	1318	
5	1	271	432	703	529	817	1346	1132	717	880	
	2	343	499	842	681	988	1669	1015	741	853	
	C	614	931	1545	1210	1805	3015	1066	730	865	
all types	1	402	523	925	785	997	1782	1293	767	993	
	2	450	602	1052	891	1186	2077	1120	756	912	
	C	852	1125	1977	1676	2183	3859	1194	761	949	

\*high-yielding-1, short duration-2, high-yielding and short duration-3, other improved varieties-4, others-5.



TABLE (39) (Contd.) : UNWEIGHTED GROSS YIELD RATE OF DRY CROP BY VARIETY OF SEED AND 1 Y SUB-SAMPLES (ALL SEASONS COMBINED)—ALL INDIA

variety of seed*	sub-sample	number of sample						gross yield rate (kilogram/hectare)		
		fields			cuts			pure	mixed	pure & mixed
		pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<i>wheat</i>										
1	1	102	74	176	103	146	249	1916	1524	1686
	2	107	87	194	109	172	281	1764	1274	1464
	C	209	161	370	212	318	530	1838	1389	1568
2	1	30	23	53	30	44	74	1330	1103	1195
	2	11	29	40	11	55	66	737	889	863
	C	41	52	93	41	99	140	1171	984	1038
3	1	82	36	118	82	71	153	1500	1314	1414
	2	79	46	125	80	90	170	1472	1643	1563
	C	161	82	243	162	161	323	1486	1498	1492
4	1	225	182	407	225	361	586	1389	1165	1251
	2	179	216	395	181	428	609	1370	963	1084
	C	404	398	802	406	789	1195	1381	1055	1166
5	1	451	741	1192	454	1509	1963	833	676	712
	2	593	771	1364	597	1536	2133	956	650	735
	C	1044	1512	2556	1051	3045	4096	903	663	724
all types	1	890	1056	1946	894	2131	3025	1176	847	944
	2	969	1149	2118	978	2281	3259	1162	801	909
	C	1859	2205	4064	1872	4412	6284	1169	823	926

\*high-yielding-1, short duration-2, high-yielding and short duration-3, other improved varieties-4, others-5.

TABLE (40) : UNWEIGHTED GROSS YIELD RATE OF DRY CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY VARIETY OF SEED USED FOR IMPORTANT STATES GROWING THE CROP

## CROP : RICE

variety of seed*	number of sample						gross yield rate (kg./hectare)		
	fields			cuts			pure	mixed	combined
	pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. Andhra Pradesh									
1	34	1	35	34	1	35	1504	480	1475
2	88	2	90	89	2	91	1743	539	1717
3	47	..	7	47	..	47	1457	..	1457
4	79	..	79	79	..	79	1304	..	1304
5	732	18	750	733	18	751	1074	499	1060
all varieties combined	980	21	1001	982	21	1003	1186	502	1172
2. Assam									
1	7	..	7	7	..	7	645	..	645
2	12	..	12	12	..	12	960	..	960
3	6	..	6	6	..	6	1124	..	1124
4	162	6	168	162	6	168	1010	1045	1012
5	198	..	198	203	..	203	1220	..	1220
all varieties combined	385	6	391	390	6	396	1113	1045	1112
3. Bihar									
1	10	3	13	10	3	13	1009	1649	1156
2	34	3	37	34	3	37	752	812	757
3	9	..	9	9	..	9	625	..	625
4	83	..	83	83	..	83	949	..	949
5	989	52	1041	990	55	1045	764	527	751
all varieties combined	1125	58	1183	1126	61	1187	778	596	769
4. Jammu and Kashmir									
1	8	..	8	8	..	8	2944	..	2914
2	17	..	17	17	..	17	1721	..	1724
3	35	..	35	35	..	35	2195	..	2195
4	103	..	103	103	..	103	2730	..	2730
5	84	..	84	84	..	84	1710	..	1710
all varieties combined	247	..	247	247	..	247	2245	..	2245

\*high-yielding-1, short duration-2, high-yielding and short duration-3, other improved varieties-4, others-5.

TABLE (40) (Contd.) : UNWEIGHTED GROSS YIELD RATE OF DRY CROP (ALL SEASONS AND SUB SAMPLES COMBINED.) BY VARIETY OF SEED USED FOR IMPORTANT STATES GROWING THE CROP.

CROP : RICE

variety of seed*	number of sample						gross yield rate (kg./hectare)		
	fields			cuts			pure	mixed	combined
	pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5. Kerala									
1	92	9	101	92	11	103	1571	643	1472
2	77	9	86	77	9	86	892	612	862
3	57	..	57	57	..	57	1173	..	1173
4	288	11	299	288	11	299	1169	794	1155
5	441	32	473	441	32	473	1210	498	1162
all varieties combined	955	61	1016	955	63	1018	1205	591	1167
6. Madhya Pradesh									
1	13	2	15	13	2	15	762	0	660
2	24	2	26	24	2	26	377	481	385
3	22	3	25	22	3	25	129	0	114
4	61	—	61	62	—	62	623	..	623
5	512	31	543	514	31	545	652	144	623
all varieties combined	632	38	670	635	38	673	623	143	595
7. Maharashtra									
1	6	..	6	6	..	6	1153	..	1153
2	36	..	36	36	..	36	1055	..	1055
3	7	..	7	7	..	7	731	..	731
4	54	3	57	54	3	57	1307	614	1270
5	233	25	258	233	25	258	1007	589	967
all varieties combined	336	28	364	336	28	364	1057	592	1022
8. Mysore									
1	23	..	23	23	..	23	1409	..	1409
2	10	..	10	10	..	10	1575	..	1575
3	6	..	6	6	..	6	2044	..	2044
4	42	..	42	42	..	42	1305	..	1305
5	135	6	141	135	6	141	1191	246	1151
all varieties combined	216	6	222	216	6	222	1278	246	1250

\*high-yielding-1, short duration-2, high-yielding and short duration-3, other improved varieties-4, others-5.

TABLE 40) (Contd.): UNWEIGHTED GROSS YIELD RATE OF DRY CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY VARIETY OF SEED USED FOR IMPORTANT STATES GROWING THE CROP.

CROP : RICE

variety of seed*	number of sample						gross yield rate (kg./hectare)		
	fields			cuts			pure	mixed	combined
	pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
9. Orissa									
1	19	..	19	19	..	19	870	..	870
2	77	..	77	77	..	77	865	..	865
3	28	..	28	28	..	28	1186	..	1186
4	95	..	95	95	..	95	903	..	903
5	424	4	428	426	4	430	972	678	969
all varieties combined	643	4	647	645	4	649	955	678	953
10. Tamil Nadu									
1	57	..	57	57	..	57	1956	..	1956
2	248	..	248	249	..	249	1481	..	1481
3	144	..	144	144	..	144	1739	..	1739
4	148	..	148	148	..	148	1374	..	1374
5	556	3	559	557	3	560	1425	1367	1425
all varieties combined	1153	3	1156	1155	3	1158	1496	1367	1496
11. Uttar Pradesh									
1	39	1	40	39	1	40	1150	1074	1148
2	53	4	57	53	4	57	373	245	364
3	30	1	31	30	1	31	1022	334	999
4	132	17	149	132	18	150	601	711	614
5	884	97	981	885	98	983	580	449	567
all varieties combined	1138	120	1258	1139	122	1261	604	485	592

\*high-yielding-1, short duration- 2, high-yielding and short duration- 3, other improved varieties- 4, others-5.

TABLE (40) (Contd.) : UNWEIGHTED GROSS YIELD RATE OF DRY CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY VARIETY OF SEED USED FOR IMPORTANT STATES GROWING THE CROP.

variety of seed*	number of sample						gross yield rate (kg./hectare)		
	fields			cuts			pure	mixed	combined
	pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
12. West Bengal									
1	45	..	45	45	..	45	1412	..	1412
2	44	..	44	44	..	44	866	..	866
3	18	..	18	18	..	18	1981	..	1981
4	302	..	302	304	..	304	1044	..	1044
5	386	..	386	388	..	388	1197	..	1197
all varieties combined	795	..	795	799	..	799	1150	..	1150
13. Manipur									
1	7	..	7	7	..	7	2178	..	2178
2	24	..	24	24	..	24	1480	..	1480
3	..	..	..	..	..	..	..	..	..
4	48	..	48	48	..	48	1652	..	1652
5	235	..	235	235	..	235	1489	..	1489
all varieties combined	314	..	314	314	..	314	1529	..	1529
14. Tripura									
1	4	..	4	4	..	4	576	..	576
2	1	..	1	1	..	1	0	..	0
3	..	..	..	..	..	..	..	..	..
4	102	12	114	102	12	114	832	759	825
5	273	10	283	273	10	283	765	368	751
all varieties combined	380	22	402	380	22	402	779	581	768

\*high-yielding-1, short duration-2, high-yielding and short duration-3, other improved varieties-4, others-5.

TABLE (41) : UNWEIGHTED GROSS YIELD RATE OF DRY CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY VARIETY OF SEED USED FOR IMPORTANT STATES GROWING THE CROP.

variety of seed*	number of sample						gross yield rate (kg./hectare)		
	fields			cuts			pure	mixed	combined
	pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. Andhra Pradesh									
1	6	1	7	12	1	13	0	49	4
2	4	7	11	6	14	20	887	1301	1177
3	3	..	3	6	..	6	507	..	507
4	6	31	37	12	59	71	471	223	265
5	116	330	446	232	667	899	535	415	446
all varieties combined	135	369	504	268	741	1009	515	416	442
2. Gujarat									
1	2	20	22	4	38	42	1550	1145	1183
2	8	12	20	16	24	40	1201	909	1026
3	10	..	10	20	..	20	896	..	896
4	15	15	30	30	30	60	616	530	573
5	68	40	108	136	79	215	775	757	769
all varieties combined	103	87	190	206	171	377	812	825	818
3. Madhya Pradesh									
1	..	..	..	..	..	..	..	..	..
2	7	14	21	14	28	42	690	422	511
3	2	12	14	4	24	28	1371	332	480
4	3	48	51	6	96	102	81	381	364
5	27	471	499	53	929	982	396	465	461
all varieties combined	39	545	584	77	1077	1154	476	453	455
4. Maharashtra									
1	23	8	31	46	16	62	1215	348	991
2	16	10	26	32	18	50	1087	351	822
3	85	41	126	170	80	250	1274	547	1041
4	28	45	73	56	90	146	920	644	749
5	134	501	635	263	999	1262	610	670	658
all varieties combined	286	605	891	567	1203	1770	916	651	736

\*high-yielding-1, short duration-2, high-yielding and short duration-3, other improved varieties-4, others-5.

TBALF (41) (Contd.) : UNWEIGHTED GROSS YIELD RATE OF DRY CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY VARIETY OF SEED USED FOR IMPORTANT STATES GROWING THE CROP.

## CROP : JOWAR

variety of seed*	number of sample						gross yield rate (kg./hectare)		
	fields			cuts			pure	mixed	combined
	pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5. Mysore									
1	15	..	15	29	..	29	556	..	556
2	17	16	33	44	22	66	555	111	331
3	3	..	3	7	..	7	4701	..	4701
4	23	31	54	45	62	107	522	325	408
5	57	202	259	116	402	518	765	435	509
all varieties combined	115	249	364	241	486	727	770	406	520
6. Rajasthan									
1	..	..	..	..	..	..	..	..	..
2	2	7	9	4	14	18	26	40	37
3	..	..	..	..	..	..	..	..	..
4	..	5	5	..	9	9	..	117	117
5	20	95	115	38	191	229	165	245	232
all varieties combined	22	107	129	42	214	256	152	226	214
7. Tamil Nadu									
1	1	..	1	2	..	2	1684	..	1684
2	10	30	40	20	58	78	234	253	248
3	..	1	1	..	2	2	..	384	384
4	3	1	4	6	2	8	340	76	274
5	70	161	231	139	328	467	580	252	350
all varieties combined	84	193	277	167	390	557	543	252	340
8. Uttar Pradesh									
1	..	5	5	..	10	10	..	99	99
2	..	8	8	..	16	16	..	111	111
3	..	..	..	..	..	..	..	..	..
4	..	33	33	..	66	66	..	411	411
5	1	261	262	2	522	524	112	300	299
all varieties combined	1	307	308	2	614	616	112	304	203

\*high-yielding-1, short duration-2, high-yielding and short duration-3, other improved varieties-4, others-5.

TABLE (42) : UNWEIGHTED GROSS RATE OF DRY CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY VARIETY OF SEED USED FOR IMPORTANT STATES GROWING THE CROP

CROP : MAIZE

variety of seed*	number of sample						gross yield rate (kg./hectare)		
	fields			cuts			pure	mixed	combined
	pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. Andhra Pradesh									
1	4	..	4	7	..	7	901	..	901
2	12	5	17	23	5	28	1310	731	1207
3	3	4	7	7	8	15	1261	2079	1697
4	4	1	5	8	2	10	718	333	641
5	61	65	126	122	125	247	957	897	927
all varieties combined	84	75	159	167	140	307	1005	951	980
2. Bihar									
1	..	6	6	..	12	12	..	..	..
2	..	3	3	..	6	6	..	200	200
3	2	3	5	4	6	10	..	..	..
4	8	18	26	16	36	52	499	1018	858
5	77	282	359	154	564	718	799	707	727
all varieties combined	87	312	399	174	624	798	753	700	712
3. Jammu & Kashmir									
1	7	1	8	14	2	16	539	621	549
2	3	..	3	6	..	6	549	.	549
3	3	5	8	4	10	14	4078	1640	2337
4	68	18	86	135	36	171	1668	1104	1549
5	102	19	121	203	38	241	1158	1803	1259
all varieties combined	183	43	226	362	86	448	1346	1464	1369
4. Madhya Pradesh									
1	2	5	7	4	10	14	1128	153	431
2	1	8	9	2	14	16	275	34	64
3	4	1	5	8	2	10	29	407	104
4	2	3	5	4	6	10	697	1180	987
5	102	199	301	194	360	554	450	222	30
all varieties combined	111	216	327	212	392	604	450	229	307

\*high-yielding-1, short duration-2, high-yielding and short duration-3, other important varieties-4, others-5.



TABLE (42) (Contd.) : UNWEIGHTED GROSS YIELD RATE OF DRY CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY VARIETY OF SEED USED FOR IMPORTANT STATE GROWING THE CROP

CROP : MAIZE

variety of seed*	number of sample						gross yield rate (kg./hectare)		
	fields			cuts			pure	mixed	combined
	pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5. Punjab									
1	8	..	8	16	..	16	2201	..	2201
2	8	..	8	16	..	16	1498	..	1498
3	9	..	9	18	..	18	1592	..	1592
4	11	..	11	22	..	22	1900	..	1900
5	91	3	94	182	6	188	1274	724	1257
all varieties combined	127	3	130	254	6	260	1423	724	1408
6. Rajasthan									
1	..	9	9	..	18	18	..	956	956
2	3	10	13	6	17	23	..	655	484
3	1	..	1	2	..	2	..	..	..
4	2	8	10	4	16	20	564	561	561
5	28	87	115	54	171	225	772	420	505
all varieties combined	34	114	148	66	222	288	666	492	532
7. Uttar Pradesh									
1	7	4	11	10	8	18	1223	1538	1363
2	..	7	7	..	14	14	..	586	586
3	1	2	3	2	4	6	386	1398	1060
4	1	44	45	2	88	90	130	1118	1095
5	31	221	252	59	432	491	1163	1069	1080
all varieties combined	40	278	318	73	546	619	1122	1074	1079

\*high-yielding-1, short duration-2, high yielding and short duration-3, other important varieties-4, others-5.

TABLE(43) : UNWEIGHTED GROSS YIELD RATE OF DRY CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY VARIETY OF SEED USED FOR IMPORTANT STATES GROWING THE CROP

CROP : WHEAT

variety of seed*	number of sample						gross yield rate (kg/hectare)			
	fields			cuts			pure	mixed	combined	
	pure	mixed	total	pure	mixed	total				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1. Bihar										
1 . .	27	18	45	27	36	63	1456	729	1040	
2 . .	3	2	5	3	3	6	1201	434	818	
3 . .	18	3	21	18	6	24	1333	1184	1295	
4 . .	52	62	411	52	129	181	1210	864	964	
5 . .	165	271	436	168	566	734	659	645	648	
all varieties combined .	265	356	621	268	740	1008	898	691	746	
2. Gujarat										
1 . .	12	11	23	12	20	32	1495	1063	1225	
2 . .	12	15	27	12	30	42	1168	1003	1050	
3 . .	13	5	18	13	10	23	1270	1560	1396	
4 . .	104	12	116	104	22	126	1458	1652	1491	
5 . .	128	25	153	128	51	179	1492	947	1337	
all varieties combined .	269	68	337	269	133	402	1454	1140	1350	
3. Haryana										
1 . .	20	6	26	21	12	33	1763	1589	1699	
2 . .	1	4	6	1	8	9	1376	1093	1124	
3 . .	1	..	1	1	..	1	2145	..	2145	
4 . .	22	19	41	22	37	59	1664	1066	1289	
5 . .	54	36	90	54	72	126	893	705	785	
all varieties combined	98	66	164	99	129	228	1266	915	1067	

\*high-yielding-1, short duration-2, high-yielding and short duration-3, other improved varieties-4, others-5.

TABLE (43) contd. : UNWEIGHTED GROSS YIELD RATE OF DRY CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY VARIETY OF SEED USED FOR IMPORTANT STATES GROWING THE CROP

CROP : WHEAT

variety of seed*	number of sample						gross yield rate (kg/hectare)			
	fields			cuts			pure	mixed	combined	
	pure	mixed	total	pure	mixed	total				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
4. Jammu & Kashmir										
1 . .	21	3	24	23	6	29	1562	1129	1472	
2 . .	..	4	4	..	8	8	..	366	366	
3 . .	4	1	5	4	2	6	1231	699	1054	
4 . .	27	7	34	28	14	42	1501	682	1228	
5 . .	35	19	54	35	39	74	561	678	623	
all varieties combined	87	34	121	90	69	159	1139	682	941	
5. Madhya Pradesh										
1 . .	3	3	6	3	6	9	3641	1205	2017	
2 . .	..	..	..	..	..	..	..	..	..	
3 . .	14	2	16	14	3	17	672	805	696	
4 . .	17	29	46	17	58	75	873	514	597	
5 . .	195	239	434	195	476	671	777	460	552	
all varieties combined	229	273	502	229	543	772	815	476	577	
6. Maharashtra										
1 . .	10	1	11	10	2	12	1194	540	1085	
2 . .	6	..	6	6	..	6	859	..	859	
3 . .	6	1	7	6	2	8	552	652	577	
4 . .	34	7	41	35	15	50	1139	749	1022	
5 . .	183	54	237	183	107	290	757	628	709	
all varieties combined	239	63	302	240	126	366	828	641	764	

\*high-yielding—1, short duration—2, high-yielding and short duration—3, other improved varieties—4, others—5.

TABLE (43) contd. : UNWEIGHTED GROSS YIELD RATE OF DRY CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY VARIETY OF SEED USED FOR IMPORTANT STATE GROWING THE CROP

CROP : WHEAT

varitey of seed*	number of sample						gross yield rate (kg/hectare)			
	fields			cuts			pure	mixed	combined	
	pure	mixed	total	pure	mixed	total				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
7. Punjab										
1 . .	84	6	90	84	12	96	2283	2751	2341	
2 . .	10	..	11	10	2	12	2018	793	1814	
3 . .	52	5	57	52	10	62	1860	2035	1888	
4 . .	42	14	56	42	28	70	1808	1165	1551	
5 . .	36	28	64	37	56	93	1099	856	952	
all varieties combined	224	54	278	225	108	333	1890	1255	1683	
8. Rajasthan										
1 . .	3	4	7	3	8	11	1242	870	971	
2 . .	..	6	6	..	12	12	..	410	410	
3 . .	14	1	15	14	1	15	1794	2097	1814	
4 . .	11	9	20	11	19	30	1139	564	774	
5 . .	101	148	249	101	301	402	1077	569	697	
all varieties combined	129	168	297	129	341	470	1164	575	736	
9. Uttar Pradesh										
1 . .	17	108	125	17	214	231	1487	1473	1475	
2 . .	9	19	28	9	36	45	409	1328	1144	
3 . .	19	61	80	19	121	140	1185	1533	1485	
4 . .	38	223	261	38	441	479	1021	1186	1173	
5 . .	71	674	745	74	1343	1417	799	745	748	
all varieties combined	154	1085	1239	157	2155	2312	952	962	961	

\*high-yielding-1, short duration-2, high-yielding and short duration-3, other important varieties-4, other-5.

TABLE (44) : UNWEIGHTED GROSS YIELD RATE OF CROPS (ALL SEASONS COMBINED) BY TYPE OF MANURE USED AND SUB-SAMPLES

ALL-INDIA

type of manure*	sub-sample	number of sample						gross yield rate (kilograms/hectare)		
		fields			cuts			pure	mixed	pure & mixed
		pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1. Rice										
0	1	1382	91	1473	1387	91	1478	773	467	754
	2	1521	56	1577	1526	56	1582	802	357	786
	c	2903	147	3050	2913	147	3060	788	425	771
1	1	1880	100	1980	1884	105	1989	1120	479	1086
	2	2001	74	2075	2006	75	2081	1199	357	1176
	c	3881	174	4055	3890	180	4070	1161	428	1132
2	1	160	5	165	161	5	166	1176	650	1161
	2	132	..	132	132	..	132	1139	..	1139
	c	292	5	297	293	5	298	1159	650	1151
3	1	678	29	707	678	29	707	1374	761	1349
	2	833	21	854	834	21	855	1347	718	1331
	c	1511	50	1561	1512	50	1562	1359	743	1339
4	1	209	2	211	209	2	211	1080	456	1074
	2	236	3	239	237	3	240	1098	185	1086
	c	445	5	450	446	5	451	1090	293	1080
5	1	303	5	308	304	5	309	963	529	956
	2	355	22	377	356	24	380	1028	306	983
	c	658	27	685	660	29	689	998	344	971
all types	1	4612	232	4844	4623	237	4860	1043	513	1017
	2	5078	176	5254	5091	179	5270	1086	473	1065
	c	9690	408	10098	9714	416	10130	1066	496	1043

\*no manure-0; organic : farmyard-1, town compost-2; inorganic-3; green manure-4, others-5.

TABLE (44) contd. : UNWEIGHTED GROSS YIELD RATE OF CROPS (ALL SEASONS COMBINED) BY TYPE OF MANURE USED AND SUB-SAMPLES

ALL-INDIA

type of manure*	sub-sample	number of sample						gross yield rate (kilograms/hect-are)		
		fields			cuts			pure	mixed	pure & mixed
		pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2. Jowar										
0	1	149	689	838	299	1362	1661	460	428	434
	2	163	750	913	325	1506	1831	666	443	482
	c	312	1439	1751	624	2868	3492	567	436	459
1	1	128	361	489	253	722	975	806	467	555
	2	112	304	416	221	603	824	670	563	592
	c	240	665	905	474	1325	1799	743	511	572
2	1	17	76	93	34	155	189	621	503	524
	2	22	19	41	44	38	82	570	312	454
	c	39	95	134	78	193	271	592	467	503
3	1	82	25	107	164	49	213	1080	632	977
	2	33	43	76	66	85	151	1583	344	886
	c	115	68	183	230	134	364	1224	449	939
4	1	30	39	69	60	78	138	605	391	484
	2	7	37	44	14	72	86	385	267	286
	c	37	76	113	74	150	224	563	331	408
5	1	23	68	91	46	136	182	519	620	595
	2	32	88	120	61	174	235	1203	415	619
	c	55	156	211	107	310	417	909	505	609
all types	1	429	1258	1677	856	2502	3358	701	457	519
	2	359	1241	1610	731	2478	3209	784	460	533
	c	798	2499	3297	1587	4980	6567	739	459	526

\*no manure-0; organic : farmyard-1, town compost-2; inorganic-3; green manure-4; others-5.

TABLE (44) contd. : UNWEIGHTED GROSS YIELD RATE OF CROPS (ALL SEASONS COMBINED) BY TYPE OF MANURE USED AND SUB-SAMPLES.

## ALL-INDIA

type of manure*	sub-sample	number of sample						gross yield rate (kilograms/ hectare)		
		fields			cuts			pure	mixed	pure & mixed
		pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>3. Bajra</b>										
0	1	124	306	430	245	590	835	292	262	271
	2	111	391	502	220	781	1001	297	227	243
	c	235	697	932	465	1371	1836	294	242	256
1	1	108	176	284	216	362	578	506	413	448
	2	119	182	301	234	375	609	505	432	460
	c	227	358	585	450	737	1187	505	423	454
2	1	21	19	40	42	38	80	704	279	502
	2	21	24	45	42	47	89	906	301	587
	c	42	43	85	84	85	169	805	291	547
3	1	29	20	49	57	40	97	996	536	806
	2	25	36	61	46	72	118	855	407	582
	c	54	56	110	103	112	215	933	453	633
4	1	33	25	58	66	50	116	660	480	582
	2	32	9	41	66	18	84	960	190	795
	c	65	34	99	132	68	200	810	403	671
5	1	18	15	33	36	30	66	532	338	444
	2	20	34	54	40	68	108	482	240	329
	c	38	49	87	76	98	174	506	270	373
all types	1	333	561	894	662	1110	1772	498	334	395
	2	328	676	1004	648	1361	2009	530	296	731
	c	661	1237	1898	1310	2471	3781	514	313	383

\*no manure-0; organic : farmyard-1; town compost-2; inorganic-3; green manure-4; others-5.

TABLE (44) contd. : UNWEIGHTED GROSS YIELD RATE OF CROPS (ALL SEASONS COMBINED BY TYPE OF MANURE USED AND SUB-SAMPLES.

## ALL-INDIA

type of manure*	sub-sample	number of sample						gross yield rate (kilograms/ hectare)		
		fields			cuts			pure	mixed <sup>b</sup>	pure & mixed
		pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<b>4. Ragi</b>										
0	1	65	23	88	130	46	176	648	414	587
	2	86	38	114	170	55	225	687	574	659
	c	151	51	202	300	101	401	670	501	62
1	1	242	113	355	474	225	699	1012	613	884
	2	205	123	328	408	243	651	924	561	789
	e	447	236	683	882	468	1350	971	856	838
2	1	4	8	12	8	16	24	558	294	382
	2	8	1	9	16	2	18	605	82	547
	e	12	9	21	24	18	42	589	270	453
3	1	32	9	41	64	18	82	1426	561	1236
	2	34	9	43	68	17	85	1154	250	973
	c	66	18	84	132	35	167	1286	410	1102
4	1	44	18	62	88	30	118	812	469	725
	2	39	3	42	78	6	84	1191	393	1134
	e	83	21	104	166	36	202	990	456	895
5	1	28	28	56	56	51	107	451	733	585
	2	13	6	19	26	12	38	1207	489	980
	c	41	34	75	82	63	145	691	687	690
all types	1	415	199	614	820	386	1206	922	578	813
	2	385	170	555	766	335	1101	922	539	806
	c	800	369	1169	1586	721	2307	922	560	809

\* no manure—0; organic : farmyard—1; town compost—2; inorganic—3; green manure—4; others—5.



TABLE (44) contd. : UNWEIGHTED GROSS YIELD RATE OF CROPS (ALL SEASONS COMBINED) BY TYPE OF MANURE USED BY STATES AND SUB-SAMPLES—

## ALL—INDIA

type of manure*	sub-sample	number of sample						gross yield rate (kilograms/hectare)		
		fields			cuts			pure	mixed	pure & mixed
		pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<i>5. maize</i>										
0	1	110	167	277	208	308	516	724	388	524
	2	114	210	324	228	419	647	799	371	522
	c	224	377	601	436	727	1163	763	378	523
1	1	186	190	376	365	375	740	1530	943	1233
	2	165	194	359	326	374	700	1304	855	1064
	c	351	384	735	691	749	1440	1423	899	1151
2	1	25	21	46	50	38	88	832	800	818
	2	18	29	47	36	57	93	872	901	890
	c	43	50	93	86	95	181	849	861	855
3	1	43	56	99	85	106	191	1865	1261	1530
	2	83	97	180	165	194	359	1224	1344	1289
	c	126	153	279	250	300	550	1442	1315	1373
4	1	9	18	27	18	36	54	1272	434	713
	2	16	26	42	32	52	84	1279	993	1102
	c	25	44	69	50	88	138	1276	764	950
5	1	29	73	102	59	138	197	1222	812	935
	2	54	46	100	104	90	194	1116	641	896
	c	83	119	202	163	228	391	1154	744	916
all types	1	402	525	927	785	1001	1786	1279	764	991
	2	450	602	1052	891	1186	2077	1120	756	912
	c	852	1127	1979	1676	2187	3863	1194	760	949

\*no manure—0; organic : farmyard—1; town compost—2; inorganic—3; green manure—4; others—5.

TABLE (44) contd : UNWEIGHTED GROSS YIELD RATE OF CROPS (ALL SEASONS COMBINED) BY TYPE OF MANURE USED BY STATES AND SUB-SAMPLES

ALL—INDIA

type of manure*	sub-sample	number of sample						gross yield rate (kilograms/hectare)		
		fields			cuts			pure	mixed	pure & mixed
		pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
6. <i>Wheat</i>										
0	1	315	479	794	316	967	1283	744	615	647
	2	346	449	795	349	893	1242	697	541	585
	c	661	928	1589	665	1860	2525	719	579	617
1	1	181	271	452	181	544	725	1264	968	1042
	2	261	346	607	265	693	958	1202	820	925
	c	442	617	1059	446	1237	1683	1227	885	975
2	1	43	54	97	43	108	151	1209	1022	1075
	2	10	45	55	10	89	99	1572	844	918
	c	53	99	152	53	197	250	1277	942	1013
3	1	259	173	432	262	358	620	1624	1225	1393
	2	240	202	442	242	401	643	1728	1376	1509
	c	499	375	874	504	759	1263	1674	1305	1452
4	1	35	18	53	35	35	70	1010	1230	1120
	2	34	16	50	34	32	66	2027	550	1311
	c	69	34	103	69	67	136	1511	905	1213
5	1	56	61	117	56	119	175	1294	767	936
	2	78	91	169	78	173	251	926	748	804
	c	134	152	286	134	292	426	1080	756	858
all types	1	889	1056	1945	893	2131	3024	1175	847	944
	2	969	1149	2118	978	2281	3259	1162	800	909
	c	1858	2205	4063	1871	4412	6283	1168	823	926

\*no manure—0; organic : farmyard—1; town compost—2; inorganic—3; green manure—4; others 5.

## National Sample Survey

TABLE (44) contd. : UNWEIGHTED GROSS YIELD RATE OF CROPS (ALL SEASONS COMBINED) BY TYPE OF MANURE USED BY STATES AND SUB-SAMPLES

ALL—INDIA

type of manure*	sub-sample	number of sample						gross yield rate (kilograms/hectare)		
		fields			cuts			pure	mixed	pure & mixed
		pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<i>7. Barley</i>										
0	1	45	178	223	46	378	424	587	432	449
	2	44	182	226	45	362	407	695	367	403
	c	89	360	449	91	740	831	640	400	426
1	1	15	116	131	15	232	247	1113	648	677
	2	19	146	165	19	282	301	1458	680	730
	c	34	262	296	34	514	548	1306	666	706
2	1	6	19	25	6	38	44	636	364	401
	2	—	18	18	—	35	35	—	296	296
	c	6	37	43	6	73	79	636	331	354
3	1	10	33	43	10	64	74	1748	548	710
	2	7	46	53	7	92	99	1526	612	676
	c	17	79	96	17	156	173	1657	586	691
4	1	—	3	3	—	6	6	—	206	206
	2	—	9	9	—	18	18	—	597	597
	c	—	12	12	—	24	24	—	499	499
5	1	9	42	51	9	87	96	758	577	594
	2	2	23	25	2	44	46	841	635	644
	c	11	65	76	11	131	142	773	596	610
all types	1	85	391	476	86	805	891	835	514	545
	2	72	424	496	73	833	906	977	516	553
	c	157	815	972	159	1638	1797	900	515	549

\*no manure—0; organic : farmyard—1; town compost—2; inorganic—3; green manure—4; others—5.

TABLE (45) UNWEIGHTED GROSS YIELD RATE OF CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY TYPE OF MANURE USED FOR IMPORTANT STATES GROWING THE CROP

CROP : RICE

type of manure used*	number of sample						gross yield rate (kg./hectare)		
	fields			cuts			pure	mixed	total
	pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. Andhra Pradesh									
0	73	8	81	73	8	81	614	697	622
1	446	10	456	447	10	457	1169	487	1154
2	41	—	41	41	..	41	909	..	909
3	295	3	298	296	3	299	1428	194	1415
4	68	..	68	68	..	68	1173	..	1173
5	56	..	56	56	..	56	884	..	884
all types combined	979	21	1000	981	21	1002	1179	525	1165
2. Assam									
0	366	6	372	371	6	377	1134	1045	1132
1	..	..	..	..	..	..	..	..	..
2	..	..	..	..	..	..	..	..	..
3	..	..	..	..	..	..	..	..	..
4	..	..	..	..	..	..	..	..	..
5	28	..	28	28	..	28	497	..	497
all types combined	394	6	400	399	6	405	1089	1045	1088
3. Bihar									
0	519	29	548	520	29	549	675	661	674
1	268	18	286	268	20	288	772	310	740
2	1	..	1	1	..	1	1593	..	1593
3	172	5	177	172	5	177	958	1532	975
4	8	—	8	8	..	8	503	..	503
5	157	6	163	157	7	164	952	475	932
all types combined	1125	58	1183	1126	61	1187	779	596	770
4. Jammu & Kashmir									
0	14	..	14	14	..	14	1233	..	1233
1	88	..	88	88	..	88	2518	..	2518
2	26	..	26	26	..	26	3020	..	3020
3	95	..	95	95	..	95	2259	..	2259
4	2	..	2	2	..	2	1480	..	1480
5	22	..	22	22	..	22	888	..	888
all types combined	247	—	247	247	—	247	2245	—	2245

\*no manure—0, organic : farm yard—1; town compost—2; in organic—3; green manure—4; others—5.

TABLE (45) *Cont.* : UNWEIGHTED GROSS YIELD RATE OF CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY TYPE OF MANURE USED FOR IMPORTANT STATES GROWING THE CROP

## CROP : RICE

type of manure used*	number of sample						gross yield rate (kg./hectare)		
	fields			cuts			pure	mixed	total
	pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5. Kerala									
0	38	6	44	38	6	44	594	294	553
1	728	4	776	728	50	778	1237	594	1196
2	25	..	25	25	..	25	1536	..	1536
3	94	7	101	94	7	101	1254	827	1222
4	58	..	58	58	..	58	991	..	991
5	12	..	12	12	..	12	1135	..	1135
all types combined	955	61	1016	955	63	1018	1205	591	1167
6. Madhya Pradesh									
0	378	23	401	380	23	403	456	111	437
1	119	15	134	120	15	135	812	191	743
2	32	..	32	32	..	32	961	..	961
3	38	..	38	38	..	38	1078	..	1078
4	25	..	25	25	..	25	928	..	928
5	40	..	40	40	..	40	735	..	735
all types combined	632	38	670	635	38	673	622	143	595
7. Maharashtra									
0	106	11	117	106	11	117	785	424	751
1	140	15	155	140	15	155	1205	754	1162
2	27	..	27	27	..	27	886	..	886
3	45	2	47	45	2	47	1348	296	1303
4	9	..	9	9	..	9	1019	..	1019
5	9	..	9	9	..	9	1052	..	1052
all types combined	336	28	364	336	28	364	1057	592	1021
8. Mysore									
0	4	..	4	4	..	4	1114	..	1114
1	110	5	115	110	5	115	1300	240	1254
2	6	..	6	6	..	6	968	..	968
3	45	..	45	45	..	45	1384	..	1384
4	40	1	41	40	1	41	1068	273	1049
5	11	..	11	11	..	11	1614	..	1614
all types combined	216	6	222	216	6	222	1278	245	1249

\*no manure—0; organic : farm yard—1; town compost—2; inorganic—3; green manure—4; others—5.

TABLE (45) *contd.* : UNWEIGHTED GROSS YIELD RATE OF CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY TYPE OF MANURE USED FOR IMPORTANT STATES GROWING THE CROP

CROP : RICE

type of manure used*	number of sample						gross yield rate (kg/hectare)			
	fields			cuts			pure	mixed	total	
	pure	mixed	total	pure	mixed	total				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
9. Orissa										
0 . . . .	91	4	95	92	4	96	741	678	738	
1 . . . .	393	..	393	393	..	393	1024	..	1024	
2 . . . .	20	..	20	20	..	20	1245	..	1245	
3 . . . .	25	..	25	25	..	25	985	..	985	
4 . . . .	57	..	57	57	..	57	825	..	825	
5 . . . .	57	..	57	58	..	58	845	..	845	
all types combined .	643	4	647	645	4	649	955	678	953	
10. Tamil Nadu										
0 . . . .	7	..	7	7	..	7	816	..	816	
1 . . . .	691	2	693	693	2	695	1414	1771	1415	
2 . . . .	26	..	26	26	..	26	1959	..	1959	
3 . . . .	306	1	307	306	1	307	1735	560	1731	
4 . . . .	103	..	103	103	..	103	1304	..	1304	
5 . . . .	20	..	20	20	..	20	1314	..	1314	
all types combined .	1153	3	1156	1155	3	1158	1496	1367	1495	
11. Uttar Pradesh										
0 . . . .	475	31	506	475	31	506	520	294	506	
1 . . . .	308	42	350	308	44	352	679	581	667	
2 . . . .	61	5	66	62	5	67	436	650	452	
3 . . . .	224	26	250	224	26	250	787	647	772	
4 . . . .	6	2	8	6	2	8	784	279	658	
5 . . . .	64	14	78	64	14	78	374	273	357	
all types combined .	1138	120	1258	1139	122	1261	604	485	593	

\* no manure—0; organic : farm yard—1; town compost—2; inorganic—3; green manure—4; others—5.

TABLE (45) *contd.* : UNWEIGHTED GROSS YIELD RATE OF CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY TYPE OF MANURE USED FOR IMPORTANT STATES GROWING THE CROP

CROP : RICE

type of manure used*	number of sample						gross yield rate (kg./hectare)			
	fields			cuts			pure	mixed	total	
	pure	mixed	total	pure	mixed	total				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
12. West Bengal										
0 . . .	183	..	183	183	..	183	1023	..	1023	
1 . . .	433	..	433	436	..	436	1155	..	1155	
2 . . .	14	..	14	14	..	14	845	..	845	
3 . . .	56	..	56	56	..	56	1007	..	1007	
4 . . .	46	..	46	47	..	47	1249	..	1249	
5 . . .	63	..	63	63	..	63	1614	..	1614	
all types combined .	795	..	795	799	..	799	1151	..	1151	
13. Manipur										
0 . . .	239	..	239	239	..	239	1536	..	1536	
1 . . .	2	..	2	2	..	2	1554	..	1554	
2 . . .	..	..	..	..	..	..	..	..	..	
3 . . .	2	..	2	2	..	2	1710	..	1710	
4 . . .	..	..	..	..	..	..	..	..	..	
5 . . .	71	..	71	71	..	71	1501	..	1501	
all types combined .	314	..	314	314	..	314	1529	..	1529	
14. Tripura										
0 . . .	313	15	328	313	15	328	760	646	755	
1 . . .	20	2	22	20	2	22	807	186	751	
2 . . .	..	..	..	..	..	..	..	..	..	
3 . . .	5	..	5	5	..	5	1736	..	1736	
4 . . .	13	..	13	13	..	13	511	..	511	
5 . . .	29	5	34	29	5	34	916	549	862	
all types combined .	380	22	402	380	22	402	779	582	768	

\* no manure—0; organic : farm yard—1; town compost—2; inorganic—3; green manure—4; others—5.

TABLE (46) : UNWEIGHTED GROSS YIELD RATE OF CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY TYPE OF MANURE USED FOR IMPORTANT STATES GROWING THE CROP.

CROP : JOWAR

type of manure used*	number of sample						gross yield rate (kg/hectare)			
	fields			cuts			pure	mixed	total	
	pure	mixed	total	pure	mixed	total				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1. Andhra Pradesh										
0 . . .	40	91	131	80	187	267	450	338	372	
1 . . .	40	161	201	80	320	400	483	482	482	
2 . . .	14	23	37	28	49	77	144	320	256	
3 . . .	8	15	23	16	30	46	2020	347	929	
4 . . .	16	30	46	32	58	90	357	192	250	
5 . . .	17	49	66	32	97	129	486	553	537	
all types combined .	135	369	504	268	741	1009	515	416	442	
2. Gujarat										
0 . . .	36	36	72	72	71	143	684	455	661	
1 . . .	34	45	79	68	88	156	616	1114	897	
2 . . .	..	..	..	..	..	..	..	..	..	
3 . . .	13	4	17	26	8	34	890	1002	917	
4 . . .	8	2	10	16	4	20	764	676	746	
5 . . .	13	..	13	26	..	26	1067	..	1067	
all types combined .	104	87	191	208	171	379	804	824	813	
3. Madhya Pradesh										
0 . . .	35	466	501	69	918	987	479	448	450	
1 . . .	2	49	51	4	98	102	315	396	393	
2 . . .	2	4	6	4	8	12	571	819	736	
3 . . .	..	..	..	..	..	..	..	..	..	
4 . . .	..	6	6	..	12	12	..	39	39	
5 . . .	..	20	20	..	41	41	..	754	754	
all types combined .	39	545	584	77	1077	1154	475	453	454	
4. Maharashtra										
0 . . .	130	404	534	259	807	1066	583	578	579	
1 . . .	46	110	156	89	216	305	939	832	863	
2 . . .	14	31	45	28	62	90	1062	864	926	
3 . . .	76	23	92	152	45	197	1331	617	1168	
4 . . .	..	8	8	..	16	16	..	1032	1032	
5 . . .	19	29	48	38	57	95	1384	698	973	
all types combined .	285	605	890	566	1203	1769	917	652	736	

\* no manure—0; organic ; farm yard—1; town compost—2; inorganic—3; green manure—4; others—5.



TABLE (46) contd. : UNWEIGHTED GROSS YIELD RATE OF CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY TYPE OF MANURE USED FOR IMPORTANT STATES GROWING THE CROP

CROP : JOWAR

type of manure used*	number of sample						gross yield rate (kg/hectare)			
	fields			cuts			pure	mixed	total	
	pure	mixed	total	pure	mixed	total				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
5. Mysore										
0 . . . . .	21	91	112	46	183	229	316	292	297	
1 . . . . .	63	93	156	124	183	307	994	537	721	
2 . . . . .	8	13	21	16	26	42	543	350	424	
3 . . . . .	11	3	4	22	6	28	822	412	734	
4 . . . . .	8	17	25	16	34	50	700	418	508	
5 . . . . .	3	32	35	6	64	70	216	345	334	
all types combined .	114	249	363	230	496	726	770	404	519	
6. Rajasthan										
0 . . . . .	21	79	100	40	159	199	156	198	189	
1 . . . . .	1	25	26	2	49	51	65	325	314	
2 . . . . .	..	4	4	..	8	8	..	139	139	
3 . . . . .	..	..	..	..	..	..	..	..	..	
4 . . . . .	..	..	..	..	..	..	..	..	..	
5 . . . . .	..	..	..	..	..	..	..	..	..	
all types combined .	22	108	130	42	216	258	152	225	213	
7. Tamil Nadu										
0 . . . . .	16	61	77	32	121	153	462	285	322	
1 . . . . .	54	119	173	107	244	351	590	237	344	
2 . . . . .	..	..	..	..	..	..	..	..	..	
3 . . . . .	7	1	8	14	2	16	416	274	398	
4 . . . . .	5	5	10	10	10	20	689	381	535	
5 . . . . .	2	6	8	4	12	16	10	40	32	
all types combined .	84	192	276	167	389	556	543	250	337	
8. Uttar Pradesh										
0 . . . . .	1	191	192	2	382	384	112	351	350	
1 . . . . .	..	54	54	..	109	109	..	288	288	
2 . . . . .	..	20	20	..	40	40	..	101	101	
3 . . . . .	..	21	21	..	41	41	..	268	268	
4 . . . . .	..	8	8	..	16	16	..	55	55	
5 . . . . .	..	12	12	..	24	24	..	280	280	
all types combined .	1	306	307	2	612	614	112	307	307	

\*no manure—0; organic : farm yard—1; town compost—2; inorganic—3; green manure—4; others—5.

TABLE (47) : UNWEIGHTED GROSS YIELD RATE OF CROPS (ALL SEASONS AND SUB-SAMPLES COMBINED) BY TYPE OF MANURE USED FOR IMPORTANT STATES GROWING THE CROP

CROP : bajra

type of manure used*	number of sample						gross yield rate (kg/hectare)			
	fields			cuts			pure	mixed	total	
	pure	mixed	total	pure	mixed	total				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1. Andhra Pradesh										
0	21	32	53	40	64	104	258	99	160	
1	76	43	119	148	85	233	356	167	287	
2	7	4	11	14	8	22	245	0	156	
3	14	7	21	24	14	38	347	36	233	
4	18	13	31	36	26	62	375	33	232	
5	16	18	34	32	36	68	486	157	311	
all types combined	152	117	269	294	233	527	353	118	249	
2. Gujarat										
0	23	50	73	45	99	144	652	447	507	
1	34	61	95	66	121	187	864	956	924	
2	13	2	15	26	4	30	884	872	882	
3	25	10	35	49	20	69	1267	637	1085	
4	27	18	45	54	36	90	1053	621	880	
5	3	1	4	6	2	8	1610	367	1299	
all types combined	125	142	267	246	282	528	967	707	827	
3. Haryana										
0	28	68	96	56	136	192	377	125	198	
1	8		8	16		16	462		462	
2							..	..	..	
3	2	6	8	4	12	16	1736	349	696	
4	1		1	2		2	898		898	
5	1		1	2		2	1400		1400	
all types combined	40	74	114	80	148	228	501	143	268	
4. Maharashtra										
0	26	115	141	52	227	279	394	270	293	
1	27	21	48	54	42	96	647	441	557	
2	3	4	7	6	8	14	2036	824	1344	
3	6	1	7	12	2	14	695	364	648	
4							..		..	
5	16	4	20	32	8	40	271	448	305	
all types combined	78	145	223	156	287	443	543	316	396	

\* no. manure—0; organic : farm yard—1; town compost—2; inorganic—3; green manure—4; others—5.

TABLE (47) contd. : UNWEIGHTED GROSS YIELD RATE OF CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY TYPE OF MANURE USED FOR IMPORTANT STATES GROWING THE CROP

CROP : bajra

type of manure used*	number of sample						gross yield rate (kg/hectare)			
	fields			cuts			pure	mixed	total	
	pure	mixed	total	pure	mixed	total				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
5. Rajasthan										
0	59	152	211	118	301	419	74	130	114	
1	18	36	54	36	72	108	174	294	254	
2	2	5	7	4	9	13	199	156	169	
3	2	8	10	4	16	20	786	259	364	
4	..	..	..	..	..	..	..	..	..	
5	..	..	..	..	..	..	..	..	..	
all types combined	81	201	282	162	398	560	117	165	151	
6. Tamil Nadu										
0	23	41	64	48	82	130	258	151	190	
1	58	102	160	118	230	348	537	259	354	
2	2	1	3	4	2	6	423	203	349	
3	1	..	1	2	..	2	1433	..	1433	
4	19	2	21	40	4	44	869	638	848	
5	1	..	1	2	..	2	0	..	0	
all types combined	104	146	250	214	318	532	538	236	357	
7. Uttar Pradesh										
0	9	156	165	18	313	331	626	358	373	
1	..	77	77	..	151	151	..	491	491	
2	4	17	21	6	34	40	1276	316	460	
3	..	21	21	..	42	42	..	659	659	
4	..	1	1	..	2	2	..	830	830	
5	..	6	6	..	12	12	..	445	445	
all types combined	13	278	291	24	554	578	789	418	434	

\* no manure—0; organic : farm yard—1; town compost—2; inorganic—3; green manure—4; other—5.

TABLE (48) : UNWEIGHTED GROSS YIELD RATE OF CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY TYPE OF MANURE USED FOR IMPORTANT STATES GROWING THE CROP.

CROP : RAGI

type of manure used*	number of sample						gross yield rate (kg/hectare)			
	fields			cuts			pure	mixed	total	
	pure	mixed	total	pure	mixed	total				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1. Andhra Pradesh										
0	29	11	40	57	22	79	764	520	697	
1	155	38	193	304	75	379	1030	673	959	
2	8	1	9	16	2	18	514	100	468	
3	11		11	22		22	1348		1348	
4	40	3	43	80	6	86	813	256	774	
5	20	7	27	40	14	54	424	765	513	
all types combined	263	60	323	519	119	638	918	625	863	
2. Bihar										
0	47	21	68	94	42	136	502	461	489	
1	16	22	38	32	44	76	625	593	606	
2	--	--	--	--	--	--	--	--	--	
3	7	4	11	14	8	22	689	207	514	
4	--	--	--	--	--	--	--	--	--	
5	10	1	11	20	2	22	859	755	850	
all types combined	80	48	128	160	96	256	588	506	552	
3. Mysore										
0	10	1	11	20	2	22	311	369	316	
1	42	97	139	84	194	278	552	523	532	
2	2	2	4	4	4	8	970	320	644	
3	9	5	14	18	10	28	1224	525	975	
4	10	3	13	20	6	26	792	888	814	
5	1	12	13	2	24	26	0	673	621	
all types combined	74	120	194	148	240	388	637	543	579	
4. Tamil Nadu										
0	18	4	22	35	10	45	913	71	726	
1	181	38	218	359	74	433	1080	761	1026	
2	2		2	4		4	510		510	
3	29	6	35	58	12	70	1421	531	1269	
4	23	5	28	46	10	56	1362	683	1241	
5	9		9	18		18	1027		1027	
all types combined	262	52	314	520	106	626	1126	663	1048	

\*no manure—0; organic: farm yard—1; town compost—2; inorganic—3; green manure—4; others—5.

TABLE (49) : UNWEIGHTED GROSS YIELD RATE OF CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY TYPE OF MANURE USED FOR IMPORTANT STATES GROWING THE CROP.

CROP : MAIZE

type of manure used *	number of sample						gross yield rate (kg/hectare)		
	fields			cuts			pure	mixed	total
	pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. Andhra Pradesh									
0	7	3	10	14	6	20	938	738	878
1	40	53	93	80	96	176	963	957	959
2	4	1	5	8	2	10	1252	667	1135
3	28	5	33	55	10	65	1061	2080	1217
4	5	13	18	10	26	36	927	566	666
5	..	..	..	..	..	..	..	..	..
all types combined	84	75	159	167	140	307	1005	951	980
2. Bihar									
0	31	120	151	62	240	302	574	517	629
1	35	109	144	70	218	288	919	817	842
2	5	1	6	10	2	12	699	547	673
3	8	27	35	16	54	70	443	946	831
4	..	..	..	..	..	..	..	..	..
5	8	58	66	16	116	132	1061	707	700
all types combined	87	315	402	174	630	804	753	693	698
3. Jammu and Kashmir									
0	35	19	54	69	38	107	1148	885	1055
1	76	12	88	151	24	175	1551	1880	1596
2	13	7	20	26	14	40	692	2071	1175
3	8	4	12	15	8	23	1790	1889	1824
4	11	..	11	22	..	22	2095	..	2095
5	40	1	41	79	2	81	1051	1511	1062
all types combined	183	43	226	362	86	448	1346	1464	1369
4. Madhya Pradesh									
0	62	133	195	114	244	358	294	119	175
1	22	39	61	44	74	118	646	348	459
2	8	11	19	16	18	34	549	549	592
3	2	7	9	4	12	16	640	125	254
4	..	1	1	..	2	2	..	95	95
5	17	25	42	34	42	76	653	546	592
all types combined	111	216	327	212	392	604	450	228	307

\*no manure -0; organic : farm yard-1; town compost-2 inorganic-3; green manure -4; others-5.

TABLE (49)(Contd.) : UNWEIGHTED GROSS YIELD RATE OF CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY TYPE OF MANURE USED FOR IMPORTANT STATES GROWING THE CROP

CROP : MAIZE									
type of manure used*	number of sample						gross yield rate (kg/hectare)		
	fields			cuts			pure	mixed	total
	pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5. Punjab									
0	19		19	38		38	909		909
1	43	1	44	86	2	88	1369	1932	1382
2	12	--	12	24		24	1200		1200
3	45	2	47	90	4	94	1722	120	1654
4	--	--		--					
5	8		8	16		16	1594		1594
all types combined	127	3	130	254	6	260	1423	724	1407
6. Rajasthan									
0	12	50	62	24	97	121	384	320	333
1	17	37	54	34	74	108	798	518	606
2	1	12	13	2	23	25	225	343	334
3	--	2	2		4	4		1255	1255
4	--			--	--				
5	4	13	17	6	24	30	1192	1126	1139
all types combined	34	114	148	66	222	288	666	492	532
7. Uttar Pradesh									
0	62	133	195	13	78	91	521	554	550
1	22	39	61	26	204	230	1411	1036	1078
2	8	11	19		32	32		912	912
3	2	7	9	34	188	222	1131	1383	1344
4	--	1	1		12	12		1522	1522
5	17	25	42		32	32		750	750
all types combined	111	216	327	73	546	619	1122	1074	1079

\*no manure—0; organic : farm yard—1; town compost—2; inorganic—3; green manure—4; others—5.

TABLE (50) UNWEIGHTED GROSS YIELD RATE OF CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY TYPE OF MANURE USED FOR IMPORTANT STATES GROWING THE CROP.

CROP—WHEAT									
type of manure used*	number of sample						gross yield rate (kg/hectare)		
	fields			cuts			pure	mixed	total
	pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1. Bihar									
0	108	155	263	110	334	444	523	504	509
1	50	101	151	51	207	258	1120	817	877
2	4	5	9	4	10	14	1216	1278	1260
3	14	9	23	54	100	154	1163	969	1039
4	3	2	5	3	6	9	2126	943	1337
5	48	43	91	48	81	129	1103	722	864
all types combined	227	315	542	270	738	1008	995	693	1747
2. Gujarat									
0	42	17	59	42	34	76	984	696	855
1	58	29	87	58	57	115	1428	1295	1362
2	8		8	8		8	1751		1751
3	112	19	131	112	38	150	1477	1320	1437
4	39		39	39		39	1747		1747
5	10	3	13	10	4	14	1917	991	1652
all types combined	269	68	337	269	133	402	1454	1140	1349
3. Haryana									
0	49	34	83	49	36	115	1037	680	832
1	20	16	36	20	32	52	1520	1448	1476
2	3	1	4	3	2	5	1279	533	980
3	24	15	39	25	29	54	1525	887	1183
4									
5	2		2	2		2	1072		1072
all types combined	98	66	164	99	129	228	1266	915	1067

\*no manure—0; organic : farm yard—1; town compost—2; inorganic—3; green manure—4; others—5.

TABLE (50) (Contd.): UNWEIGHTED GROSS YIELD RATE OF CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY TYPE OF MANURE USED FOR IMPORTANT STATES GROWING THE CROP

crop : wheat

type of manure used*	number of sample						gross yield rate (kg/hectare)		
	fields			cuts			pure	mixed	total
	pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4. Jammu & Kashmir									
0	19	1	20	20	2	22	997	532	955
1	53	22	75	55	45	100	1110	715	932
2	3	..	3	3	..	3	919	..	919
3	7	3	10	7	6	13	2344	650	1567
4	..	..	..	..	..	..	..	..	..
5	5	8	13	5	16	21	687	624	639
all types combined	87	34	121	90	69	159	1151	682	948
5. Madhya Pradesh									
0	196	218	414	196	435	631	692	460	532
1	20	33	53	20	64	84	1508	511	748
2	4	2	6	4	4	8	2337	702	1520
3	5	4	9	5	8	13	1280	559	836
4	1	2	3	1	4	5	308	605	546
5	3	14	17	3	28	31	1565	577	673
all types combined	229	273	502	229	543	772	815	476	577
6. Maharashtra									
0	104	30	134	104	61	165	572	562	568
1	37	20	57	38	39	77	987	681	832
2	19	4	23	19	8	27	676	665	673
3	41	5	46	41	10	51	1353	1281	1339
4	..	..	..	..	..	..	..	..	..
5	38	4	42	38	8	46	881	225	767
all types combined	239	63	302	240	126	366	828	641	764

\*no. manure—0; organic : farm yard—1; town compost—2; inorganic—3; green manure—4; others—5.



TABLE (50) (Contd.) : UNWEIGHTED GROSS YIELD RATE OF CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY TYPE OF MANURE USED FOR IMPORTANT STATES GROWING THE CROP

crop : wheat									
type of manure used*	number of sample						gross yield rate (kg/hectare)		
	fields			cuts			pure	mixed	total
	pure	mixed	total	pure	mixed	total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<b>7. Punjab</b>									
0	40	26	66	40	52	92	1031	722	856
1	14	9	23	14	18	32	1599	1120	1330
2	9	1	10	9	2	11	1979	1099	1819
3	160	18	178	161	36	197	2131	2100	2125
4									
5	1		1	1		1	625		625
<b>all types combined</b>	<b>224</b>	<b>54</b>	<b>278</b>	<b>225</b>	<b>108</b>	<b>333</b>	<b>1890</b>	<b>1255</b>	<b>1683</b>
<b>8. Rajasthan</b>									
0	46	75	121	46	149	195	511	598	648
1	52	58	110	52	119	171	1135	549	727
2	..	12	12	..	23	23		533	533
3	25	10	35	25	25	50	1762	786	1274
4	4	12	16	4	23	27	1298	399	532
5	2	1	3	2	2	4	2287	204	1245
<b>all types combined</b>	<b>129</b>	<b>168</b>	<b>297</b>	<b>129</b>	<b>341</b>	<b>470</b>	<b>1164</b>	<b>575</b>	<b>736</b>
<b>9. Uttar Pradesh</b>									
0	39	343	382	39	678	717	572	658	653
1	57	325	376	51	650	701	836	957	948
2	3	73	76	3	146	149	1201	985	989
3	45	251	296	48	500	548	1394	1383	1384
4		14	14		28	28		1399	1399
5	16	79	95	16	153	169	871	849	852
<b>all types combined</b>	<b>154</b>	<b>1085</b>	<b>1239</b>	<b>157</b>	<b>2155</b>	<b>2312</b>	<b>952</b>	<b>962</b>	<b>961</b>

\*no manure—0; organic : farm yard—1; town compost—2; inorganic—3; green manure—4; others—5.

TABLE (51) : UNWEIGHTED GROSS YIELD RATE OF CROP (ALL SEASONS AND SUB-SAMPLES COMBINED) BY TYPE OF MANURE USED FOR IMPORTANT STATES GROWING THE CROP.

crop : barley

type of manure used*	number of sample						gross yield rate (kg/hectare)			
	fields			cuts			pure	mixed	total	
	pure	mixed	total	pure	mixed	total				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1. Bihar										
0	47	96	143	48	219	267	599	284	341	
1	2	64	66	2	126	128	870	287	298	
2	..	..	..	..	..	..	..	..	..	
3	..	15	15	..	27	27	..	343	343	
4	..	..	..	..	..	..	..	..	..	
5	4	27	31	4	57	61	760	397	421	
<b>all types combined</b>	<b>53</b>	<b>202</b>	<b>255</b>	<b>54</b>	<b>429</b>	<b>483</b>	<b>621</b>	<b>304</b>	<b>340</b>	
2. Rajasthan										
0	3	42	45	3	84	87	1309	769	787	
1	15	49	64	15	97	112	1995	1022	1153	
2	..	10	10	..	19	19	..	272	272	
3	9	6	15	9	12	21	2255	309	1143	
4	..	8	8	..	16	16	..	672	672	
5	2	7	9	2	14	16	1466	1159	1197	
<b>all types combined</b>	<b>29</b>	<b>122</b>	<b>151</b>	<b>29</b>	<b>242</b>	<b>271</b>	<b>1968</b>	<b>824</b>	<b>947</b>	
3. Uttar Pradesh										
0	12	168	180	13	334	347	497	411	413	
1	7	136	143	7	272	279	675	722	720	
2	..	25	25	..	50	50	..	370	370	
3	2	43	45	2	86	88	277	789	777	
4	..	4	4	..	8	8	..	154	154	
5	2	31	33	2	60	62	809	654	659	
<b>all types combined</b>	<b>23</b>	<b>407</b>	<b>430</b>	<b>24</b>	<b>810</b>	<b>834</b>	<b>557</b>	<b>568</b>	<b>567</b>	

\*no manure—0; organic : farm yard—1; town compost—2; inorganic—3; green manure—4; others—5.

TABLE (52) : ESTIMATES OF PRODUCTION AND GROSS AREA UNDER SELECTED CROPS FOR SELECTED STATES BY SUB-SAMPLES, 1968-69

States	production (000 tonnes)			gross area (000 hectares)						
	half sample 1	half sample 2	com- bined	sub- sample 1	sub- sample 2	sub- sample 3	sub- sample 4	half sample 1 (ss 1&3)	half sample 2 (ss 2 & 4)	com- bined (ss 1 to 4)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<i>1. rice</i>										
Andhra Pradesh . . . . .	3582	3122	3351	2564	2558	2491	2921	2528	2739	2633
Assam . . . . .	2230	2334	2282	1534	1874	2448	2127	1991	2000	1996
Bihar . . . . .	4901	4830	4865	5911	6095	5788	6006	5850	6050	5950
Kerala . . . . .	775	768	772	793	600	710	601	752	600	676
Madhya Pradesh . . . . .	3047	2941	2995	3839	3995	3702	4644	3771	4320	4045
Maharashtra . . . . .	1224	1859	1542	1129	1360	1450	1710	1289	1535	1412
Orissa . . . . .	4392	2735	3563	4042	2691	4479	2896	4261	2793	3527
Tamil Nadu . . . . .	2731	2928	2830	2231	2223	1889	2328	2059	2276	2167
Uttar Pradesh . . . . .	2939	2861	2900	4231	3991	4878	4412	4555	4201	4378
West Bengal . . . . .	4176	4832	4505	3400	4634	4145	4332	3772	4484	4128
<i>2. jowar</i>										
Andhra Pradesh . . . . .	1120	1498	1309	2927	3062	3352	3387	3140	3224	3182
Gujarat . . . . .	598	651	625	1029	1323	1442	932	1236	1127	1182
Maharashtra . . . . .	5450	4799	5124	8820	6912	7920	8267	8370	7589	7980
Tamil Nadu . . . . .	443	161	302	653	824	1127	638	890	731	811
<i>3. bajra</i>										
Rajasthan . . . . .	538	555	547	4918	7441	4724	6611	4821	7026	5923
<i>4. ragi</i>										
Mysore . . . . .	487	605	546	952	1015	466	960	709	988	848
<i>5. maize</i>										
Bihar . . . . .	1005	925	966	1001	1266	1593	936	1297	1101	1199
Jammu & Kashmir . . . . .	324	395	360	193	209	278	256	236	232	234
<i>6. wheat</i>										
Gujarat . . . . .	941	878	910	743	636	408	440	575	538	556
Madhya Pradesh . . . . .	2365	2075	2220	3458	3364	2788	2986	3168	3175	3172
Punjab . . . . .	3523	2971	3247	2144	2165	1933	2019	2039	2092	2065
Uttar Pradesh . . . . .	6655	6337	6496	7072	6700	6911	6803	6992	6437	6714
<i>7. barley</i>										
Rajasthan . . . . .	691	718	704	575	537	728	621	652	579	616
Uttar Pradesh . . . . .	982	1153	1068	1764	1842	2003	2348	1883	2095	1989

## APPENDIX II

### SAMPLING DESIGN AND ESTIMATION PROCEDURE

The sampling design was a stratified two-stage one; for the land utilisation survey, villages being the first-stage units and clusters of plots, the second stage units. For the crop yield survey, the design was a four-stage one with villages, clusters of plots, sub-plots growing specified crops and circular cuts as the first, second, third and fourth-stage units respectively. The first stage units were selected in the form of 4 independent sub-samples. Sub-samples 1 and 3 were surveyed by one party of investigators and sub-samples 2 and 4 by another party of investigators. The first-stage units for the crop yield survey were a sub-sample of those chosen for the land utilisation survey.

2. The country was divided into 64 agricultural regions by grouping, within each State or Union Territory contiguous districts having similar crop patterns and population densities. Strata were formed within each region, by grouping contiguous tehsils having similar population densities and altitudes and having good transport and communication facilities amongst them as far as possible such that the sum of the size measures of the villages in each stratum within a State was equal, the size of village being the ratio of its population to the average population of a village in the population size class 0-499 in the State, rounded off to a suitable integer. The number of strata to be formed in a State was obtained as the ratio of its allocation to 24. The total number of strata was 350.

3. The allocation of the total sample size of 8400 to the various States was done on a joint consideration of the rural population, area under cereal crops and the investigator strength in the central NSS Blocks of the States. The allocation was modified to ensure a minimum sample size, for the central sample of 360 villages in each State with the exception of Punjab and Haryana where there were 192 and 144 sample villages respectively and about 200 sample villages in each of the Union Territories of Manipur and Tripura. The allocation was rounded off to multiples of 24 to facilitate having 4 sub-samples of 6 villages each per stratum.

4. The frame used for selection was the list of villages as per the 1961 census. Within each stratum the villages are first arranged into four classes depending on the number of household manufacturing establishments in them and then within each class the tehsils were arranged in a serpentine order and four independent interpenetrating sub-samples of 12 villages each were selected circular systematically with probability proportional to population size. In each sub-sample of a stratum the 6 villages with odd orders of selection formed the Central Sample and the remaining 6 villages formed the State Sample.

5. The land utilisation survey was conducted in all the 6 villages in each of the four sub-samples for autumn, winter and spring seasons. The crop-cutting experiments were conducted in villages 1, 3 and 5 of sub-samples 1 and 2 only of each stratum for each season.

6. In sample villages meant only for land utilisation survey a circular systematic sample of 4 clusters of 5 plots each and in sample villages meant for both land utilisation survey and crop-cutting experiments a circular systematic sample of 6 clusters of 10 plots each were selected per village. This selection procedure was adopted where cadastral maps for the villages were available and also in the case of villages (without maps) where a list of plots was available. The sample clusters were selected through the basic plots (equal in number to the number of clusters to be selected), selected circular systematically with equal probability. If the number of plots in the village was less than 20 (for a village where only land utilisation survey was to be conducted) or less than 60 (for a village where crop yield survey also was to be conducted) then all the plots in the village were completely enumerated. If neither the cadastral map nor the list or plots was available, a circular systematic sample of 4 or 6 households was selected from a sample village depending on whether it was meant only for land utilisation survey or both land utilisation survey and crop cutting experiments and all the plots possessed by the selected households and situated within a radius of 5 miles of the sample villages were surveyed. If the number of households in the village was less than 4 or 6 as the case may be all the households were taken up for the survey. The same set of sample clusters or the plots possessed by same set of households were surveyed for all the seasons.

7. For crop yield survey in each season six sub-plots from all sample plots surveyed for land utilisation were selected with probability proportional to the gross area under the specified crops after arranging the sub-plots in a specified order on the basis of crops grown. From a selected sub-plot yield data were collected from one circular cut selected at random (per crop) in case the sub-plot was growing any of the crops-paddy, wheat (grown pure) or barley (grown pure) and from two cuts selected at random (per crop) in case of sub-plots growing-jowar, bajra, ragi, wheat (mixed), maize or barley (mixed). If the number of sub-plots having the specified cereal crops in a village was less than 6, all those sub-plots were taken up for crop-cutting experiments. Selection of sub-plots for crop-cutting experiments was done afresh in each season.

## 8. Estimation procedure

## 8.1 Notation :

s=subscript for sth stratum

i=subscript for ith sample village/selected part of village

k=number of strata

v=number of sample villages surveyed in a sub-sample for a season in the stratum

Z=sum of sizes (used for selection) of the villages per stratum

z=size (used for selection) of the village

r=adjustment ratio for revenue village selection and selection of part of the villages\*

N=highest survey number (adjusted)\*\*/highest sampling serial number of plots (adjusted)\*\*

H=total number of households in the village

n=number of clusters/households selected

c=cluster size (in terms of number of plots)

a=area under a particular crop

y=yield rate from a particular crop

8.2 The estimate of area and yield rates for each crop were obtained separately for each season and for each sub-sample for the crop grown 'pure' and 'mixed' separately. The estimate of crop production was obtained as a product of the estimate of the crop area (based on all sample villages where land utilisation survey was conducted including crop-cutting villages) and the estimate of yield rate (obtained from all sample villages where crop-cutting experiments were conducted). The estimate for the agricultural year was obtained as the sum of estimates for the different seasons.

## 8.3 Area estimate

An estimate of the gross (separately for 'pure' and mixed') area under a particular crop in a particular season for a given sub-sample in a State is given by

$$\hat{A} = \sum_{s=1}^k \frac{Z}{v} \sum_{i=1}^v \frac{r_{si}}{z_{si}} \frac{N'_{si}}{n_{si}} a_s$$

where Z is constant for all strata

$$N'_{si} = \frac{N_{si}}{c_{si}} \quad \text{if clusters of plots were selected using map or a list of plots}$$

$$= H_{si} \quad \text{if households were selected.}$$

$$\frac{N'_{si}}{n_{si}} = 1 \quad \text{for a village where all the plots or households in the village were surveyed.}$$

$$a_{si} = \frac{\text{gross area in all the sample clusters/plots possessed by the sample households of the village}}{n_{si}}$$

$$\hat{A} = \sum_{s=1}^k \hat{A}_s \quad \text{where } \hat{A}_s \text{ is the sth stratum estimate}$$

$$\hat{A}_s = z \sum_{i=1}^v \frac{\hat{A}_{si}}{z_{si}} \quad \text{and } \hat{A}_{si} \text{ is the estimate for the ith village in the sth stratum and}$$

$$\hat{A}_{si} = r_{si} \frac{N'_{si}}{n_{si}} a_{si}$$

\* r=1 When the surveyed revenue village coincides with the sample census village and the whole of it was surveyed.  
r= The number of areal divisions/hamlet groups formed in the village if an areal division or hamlet group was selected for survey.

r= The number of revenue villages which are wholly or partly contained in the sampled census village in case the surveyed revenue village, was selected from among them.

r= 1/ number of census villages wholly or partly contained in the surveyed revenue village ; when the sampled census village was one of them,

\*\*For Selection of sample plots the highest survey of sampling serial number was rounded off to the next higher multiple of cluster size[ case it was not a multiple of the cluster size

8.4 If a cluster/household selected for acreage survey in a village was a casualty it was substituted by the next surveyed cluster/household. Likewise if a plot in a cluster selected for acreage survey was a casualty, it was substituted by the next plot.

### 8.5 Production estimate

The production estimate  $P$  of a crop (obtained separately for pure and mixed crop) is the product of  $Y$ , an estimate of the yield rate of the crop (pure or mixed as the case may be) based on the villages reporting crop-cutting experiments and  $A$ , an estimate of the gross area under the crop based on all the villages selected for the land-utilisation survey.

8.6 The estimate  $Y$  is given by

$$\hat{y} = \frac{\sum_s \hat{A}_s \hat{Y}_s}{\sum_s \hat{A}_s}$$

where  $\hat{Y}_s$  = simple average of yield rates over the cuts taken for the crop in the  $s$ th stratum.

$\hat{A}_s$  = obtained as described in paragraph 8.3.

$\sum$  denotes summation over only those strata reporting crop-cutting experiments for that crop.

The weight of crop from a single cut was taken as the sum of the weight of crop from all plants wholly inside the circle of radius 4' and half the weight of crop from plants on the border.

8.7 As mentioned before, the area survey was planned to be conducted in all the sample villages of each of the four sub-samples while crop-cutting experiments were planned for a sub-set of villages of sub-samples 1 and 2 only. The production estimates have therefore been obtained as the product of

- (i) acreage estimate from sub-sample 1 and 3 combined and the estimates of yield rate from sub-sample 1 (designated as half-sample 1).
- (ii) acreage estimate from sub-sample 2 and 4 combined and the estimate of yield rate from sub-sample 2 (designated as half-sample 2).

It may be mentioned that half-sample 1 villages were surveyed by one party of investigators while half-sample 2 was surveyed by another party.

The combined production estimate was taken to be the mean of the two half-sample estimates.

8.8 The 'total' estimate of production for a crop is given by the sum of the production estimate for that crop grown 'pure' and that for the crop grown 'mixed'.

8.9 The estimate given above are for the green weight of the crop. The estimate of dry weight is obtained by multiplying the estimate of green weight of crop for a sub-sample by a driage factor for that sub-sample (for each season). This factor was the ratio of the total dry weight to the total green weight of that crop (pure and mixed) obtained from the cut of 2'3" radius of the given season and sub-sample for the whole State.

APPENDIX III  
 List of Strata Exempted from Survey

A list of Strata where cereal crops were believed to be not grown in different seasons and hence exempted from the survey or the respect ive seasons is given below.

state	strata exempted from survey			
	autumn	winter	spring	summer
(1)	(2)	(3)	(4)	(5)
Andhra Pradesh . . . . .	..	..	..	19
Assam . . . . .	..	..	all	all
Bihar . . . . .	..	..	..	1, 2, 9, 14, 15, 18, 24-30, 32.
Delhi . . . . .	..	all	..	all
Haryana . . . . .	..	all	..	all
Jammu & Kashmir . . . . .	..	all	4, 6, 8-15	2, 3
Madhya Pradesh . . . . .	..	..	..	1, 3-26, 30.
Maharashtra . . . . .	..	..	..	6, 9, 13, 16-28.
Manipur . . . . .	..	..	..	all
Orissa . . . . .	..	..	1, 3, 6, 7, 14, 15.	1-3, 5, 14.
Punjab . . . . .	..	..	all	all
Rajasthan . . . . .	..	..	..	1-12, 15, 16.
Tripura . . . . .	..	..	..	all
Uttar Pradesh . . . . .	..	30-37	..	25-28, 34-37, 39-41, 44.

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**APPENDIX IV**  
**FACSIMILE OF THE SCHEDULES OF INVESTIGATION**

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**CENTRAL\* GOVERNMENT OF INDIA NATIONAL SAMPLE SURVEY 1968-69**  
**STATE**

**ORIGINAL  
 DUPLICATE  
 AUTUMN  
 (Twentythird Round)**

**Schedule 5-0 : Land Utilisation**

**RURAL**

[1] identification particulars of village	
1. serial number	13. availability of village map : in village-1, tehsil-2. elsewhere ( )-3, not traceable-4
2. zone-state-region	14. total number of sheets in which village is mapped
3. stratum	15. if village map available, number of sheets availed
4. sub-sample	16. number of schedules 5-01 attached
5. sample village	17. village area (0.00) acres (i) as per samples list (ii) revenue village (iii) surveyed part
6. size of village	18. highest survey/sampling serial number (method 1/2)
7. method code	19. adjusted highest survey/sampling serial number (method 1/2) total number of households (method 3)
8. state	20. number of clusters/households surveyed
9. district	21. cluster size (method 1/2)
10. tehsil/taluk/thana*	
11. village (name)	
12. village cadastrally surveyed : no-1, partly surveyed-2, fully surveyed-3	

[2] investigation particulars	
1. investigator : name..... roll no..... date : (i) survey..... (ii) despatch..... signature.....	
2. inspector : name..... date : (i) inspection..... (ii) scrutiny..... (iii) despatch..... signature.....	
3. scrutiniser : name..... date : (i) receipt..... (ii) scrutiny..... (iii) despatch..... signature.....	

[3] selection of revenue village				[4] selection of hamlet*/part of village*				[5] particulars of census villages constituting revenue village	
sr. no.	names of revenue villages	percentage area	random number	sr. no.	name of hamlets	percentage area	random number	sr. no.	names of census villages
(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)

[6] selection of basic plots/households*						
1. Interval (I) = .....			2. random start (R) = .....			
3. basic plots/households* selected :						
cluster number	1	2	3	4	5	6
	R = .....	R + I = .....	R + 2I = .....	R + 3I = ...	R + 4I = ...	R + 5I = ...
(1)	(2)	(3)	(4)	(5)	(6)	(7)
survey number/sampling serial number of basic plot or household						

[7] details of sample cluster*											
cluster/household number	survey number and sampling serial number of plots in the cluster (methods 1 and 2)										name of the head of the household (method 3)
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1											
2											
3											
4											
5											
6											

\*delete whichever is inapplicable.

[8] utilisation particulars of plots

serial number	cluster/household number	survey number	geographical area (0.00) acres	sub-plot number	area of sub-plot as percentage of geographical area of plot	crops of autumn season and their mixtures			other utilisation		gross area (0.00) acres under																
						name of crops	crop code*	season code**	name	season code**	crop grown singly								mixed crops								
											(6)	(7)	(8)	(9)	(10)	paddy	jowar	bajra	ragi	maize	wheat	barley	small millets	paddy	jowar	bajra	ragi
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	
1																											
2																											
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20																											
21																											
22																											
23																											
24	total			X	X	X	X	X	X	X																	

\*paddy-1, jowar-2, bajra-3, ragi-4, maize-5, wheat-6, barley-7, small millets-8. (codes are to be given only for the specified cereal crops of the reference season).

\*\*autumn-1, winter-2, spring-3, summer-4.

[8] utilisation particulars of plots

serial number	cluster/household number	survey number	geographical area (0.00) acres	sub-plot number	area of sub-plot as percentage of geographical area of plot	crops of autumn season and their mixtures			other utilisation	gross area (0.00) acres under																	
						name of crops	crop code*	season code**		name	season code**	crop grown singly								mixed crops							
												paddy	jowar	bajra	ragi	maize	wheat	barley	small millets	paddy	jowar	bajra	ragi	maize	wheat	barley	small millets
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	
1																											
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20																											
21																											
22																											
23																											
24	total			x	x		x	x		x																	

\*paddy-1, jowar-2, bajra-3, ragi-4, maize-5, wheat-6, barley-7, small millets-8. (codes are to be given only for the specified cereal crops of the reference season.)  
 \*\*autumn-1, winter-2, spring-3, summer-4.

[8] utilisation particulars of plots

serial number	cluster/household number	survey number	geographical area (0.00) acres	sub-plot number	area of sub-plot as percentage of geographical area of plot	crops of autumn season and their mixtures		other utilisation		gross area (0.00) acres under																
						name of crops	crop code*	season code**	name	season code**	crop grown singly								mixed crops							
											paddy	jowar	bajra	ragi	maize	wheat	barley	small millets	paddy	jowar	bajra	ragi	maize	wheat	barley	small millets
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)
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23																										
24	total		X	X		X	X	X		X																

\*paddy-1, jowar-2, bajra-3, ragi-4, maize-5, wheat-6, barley-7, small millets-8 (codes are to be given only for the specified cereal crops of the reference season.)  
 \*\* autumn-1, winter-2, spring-3, summer-4.

[8] utilisation particulars of plots

serial number	cluster/household number	survey number	geographical area (0.00) acres	sub-plot number	area of sub-plot as percentage of geographical area of plot	crops of autumn season and their mixtures			other utilisation		gross area (0.00) acres under																
						name of crops	crop code*	season code**	name	season code**	crop grown singly							mixed crops									
											paddy	jowar	bajra	ragi	maize	wheat	barley	small millets	paddy	jowar	bajra	ragi	maize	wheat	barley	small millets	
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	
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23																											
24	Total			x	x	x	x	x	x	x																	

\* paddy-1, jowar-2, bajra-3, ragi-4, maize-5, wheat-6, barley-7, small millets-8. (code are to be given only for the specified cereal crops of the reference season.)  
 \*\* autumn-1, winter-2, spring-3, summer-4.

[8] utilisation particulars of plots

serial number	cluster/household number	survey number	geographical area (0.00) acres	sub-plot number	area of sub-plot as percentage of geographical area of plot	crops of autumn season and their mixtures			other utilisation		gross area (0.00) acres under																	
						name of crops	crop code*	season code**	name	season code**	crop grown singly							mixed crops										
											paddy	jowar	bajra	ragi	maize	wheat	barley	small millets	paddy	jowar	bajra	ragi	maize	wheat	barley	small millets		
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)		
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23																												
24	Total			X		X	X	X	X																			

\* Paddy-1, jowar-2, bajra-3, ragi-4, maize-5, wheat-6, barley-7, small millets-8. (codes are to be given only for the specified cereal crops of the reference season.)  
 \*\* autumn-1, winter-2, spring-3, summer-4.

[8] utilisation particulars of plots

serial number	cluster/household number	survey number	geographical area (0.00 acres)	sub-plot number	area of sub-plot as percentage of geographical area of plot	crops of autumn season and their mixtures			other utilisation		gross area (0.00) acres under																
						name of crops	crop code*	season code**	name	season code**	crop grown singly								mixed crops								
											paddy	jowar	bajra	ragi	maize	wheat	barley	small millets	paddy	jowar	bajra	ragi	maize	wheat	barley	small millets	
											(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	
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21																											
22																											
23																											
24	total			x	x	x	x	x	x	x																	

\*paddy-1, jowar-2, bajra-3, ragi-4, maize-5, wheat-6, barley-7, small millets-8. (codes are to be given only for the specified cereal crops of the reference season.)  
 \*\*autumn-1, winter-2, spring-3, summer-4.



[9] particulars of crops and seasons in the village

name of informant with designation if any.....

serial numbers	season		crops			sowing				harvesting				
	local name	code*	name of crops	crop code**	mixed crop code**	commencing week		ending week		commencing week		ending week		
						normal year	current year	normal year	current year	normal year	current year	normal year	current year	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)

[10] remarks by investigator

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[11] comments by inspector

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\*season codes for different months of harvesting of crops in the normal year : August to October, autumn-1; November to January, winter-2; February to April, spring-3; May and June, summer-4; July will be included in summer or autumn depending on crop and region.

\*\*not to be filled in by the investigator.

[8] utilisation particulars of plots

serial number	cluster/household number	survey number	geographical area (0.00 acres)	sub-plot number	area of sub-plot as percentage of geographical area of plot	crops of autumn season and their mixtures			other utilisation		gross area (0.00) acres under																
						name of crops	crop code*	season code**	name	season code**	crop grown singly								mixed crops								
											paddy	jowar	bajra	ragi	maize	wheat	barley	small millets	paddy	jowar	bajra	ragi	maize	wheat	barley	small millets	
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	
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18																											
19																											
20																											
21																											
22																											
23																											
24	total			X	X	X	X	X	X	X																	

\*paddy-1, jowar-2, bajra-3, ragi-4, maize-5, wheat-6, barley-7, small millets-8. (codes are to be given only for the specified cereal crops of the reference season.)  
 \*\*autumn-1, winter-2, spring-3, summer-4.

[9] particulars of crops and seasons in the village

name of informant with designation if any.....

serial numbers	season		crops			sowing				harvesting			
	local name	code*	name of crops	crop code**	mixed crop code**	commencing week		ending week		commencing week		ending week	
						normal year	current year	normal year	current year	normal year	current year	normal year	current year
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)

[10] remarks by investigator

[11] comments by inspector

\*season codes for different months of harvesting of crops in the normal year : August to October, autumn-1; November to January, winter-2; February to April, spring-3; May and June, summer-4; July will be included in summer or autumn depending on crop and region.  
 \*\*not to be filled in by the investigator.





**CENTRAL\***  
**STATE**

**ORIGINAL**  
**DUPLICATE**  
**TRIPLICATA**

**GOVERNMENT OF INDIA NATIONAL SAMPLE SURVEY : 1968-69**  
**Schedule 5.02 : List of Households**

**RURAL**

**(Twentythird Round)**

[1] identification particulars of village

1. serial number	4. sub-sample	7. tehsil taluk thana*.....
2. zone-state-region	5. sample village	8. name of village.....
3. stratum	6. State .....	9. total number of households in the village.....

[2] investigation particulars

1. investigator ; name.....roll on..... date (i) survey.....(ii) despatch.....signature.....
2. inspector ; name.....date (i) inspection .....(ii) scrutiny.....(iii) despatch.....signature.....
3. scrutiniser ; name.....date (i) receipt.....(ii) scrutiny.....(iii) despatch.....signature.....

[3] list of households

serial number of household	name of the head of the household	sampling serial number	serial number of household	name of the head of the household	sampling serial number	serial number of household	name of the head of the household	sampling serial number
(1)	(2)	(3)	(1)	(2)	(3)	(1)	(2)	(3)

\*delete whichever is inapplicable.  
18-3 C.S.O. (N.D) /72.



**CENTRAL  
STATE**

**ORIGINAL\*  
DUPLICATE**

**GOVERNMENT OF INDIA NATIONAL SAMPLE SURVEY : 1968-69  
Schedule 5.1 : Crop-cutting Experiments**

**RURAL**

**AUTUMN  
(Twentythird Round)**

[1] identification particulars of village			
1. serial number		5. sample village	9. tehsil/taluka/thana*.....
2. zone-state-region		6. number of sheets for block 6	
3. stratum		7. state.....	10. name of village.....
4. sub-sample		8. district.....	
[2] investigation particulars			
1. investigator :			
name..... roll no..... date (i) survey..... (ii) despatch..... signature.....			
2. inspector :			
name..... date (i) inspection..... (ii) scrutiny..... (iii) despatch..... signature.....			
3. scrutiniser :			
name..... date (i) receipt..... (ii) scrutiny..... (iii) despatch..... signature.....			
[3] remarks by investigator			
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[4] remarks by inspector			
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.....			
[5] number of sample fields (sub-plots) in which crop-cutting experiments were done**			
srl. no.	item	number	
(1)	(2)	(3)	
1.	sample fields originally selected for crop-cutting		
2.	originally selected fields where crop-cutting experiments were done		
3.	sample fields substituted for originally selected fields		
4.	total of sample fields where crop-cutting experiments were done (srl. no. 2+3)		
5.	sample fields missed for crop-cutting (srl. no. 1-4)		

\*delete whichever is inapplicable.

\*\*not to be filled up by the Investigator.



[6] listing and selection of sub-plots (or sub-plot groups) for crop-cutting experiments

- 1. total gross area (0.00 acres)=.....  
 3. random start (R)=.....  
 5. R+2I=.....  
 7. R+4I=.....
- 2. interval(I)=.....  
 4. R+I=.....  
 6. R+3I=.....  
 8. R+5I=.....

name of crop and utilisation type	survey number	sub-plot number	gross area (0.00 acres)	cumulative gross area (0.00 acres)	order of selection	cause of rejection*	name of crop and utilisation type	survey number	sub-plot number	gross area (0.00 acres)	cumulative gross area (0.00 acres)	order of selection	cause of rejection*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(1)	(2)	(3)	(4)	(5)	(6)	(7)

\*harvested—1, not permitted by cultivator—2, others—3.

[6] listing and selection of sub-plots (or sub-plot groups) for crop-cutting experiments—*contd.*

name of crop and utilisation type	survey number	sub-plot number	gross area (0.00 acres)	cumulative gross area (0.00 acres)	order of selection	cause of rejection*	name of crop and utilisation type	survey number	sub-plot number	gross area (0.00 acres)	cumulative gross area (0.00 acres)	order of selection	cause of rejection*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(1)	(2)	(3)	(4)	(5)	(6)	(7)

[7] selection of sub-plots from sub-plot group for crop-cutting experiments

order of selection of sub-plot group	name of crop and utilisation type	survey number	sub-plot number	percentage of gross area	cumulative percentage	order of selection of sub-plot	cause of rejection*	order of selection of sub-plot group	name of crop and utilisation type	survey number	sub-plot number	percentage of gross area	cumulative percentage	order of selection of sub-plot	cause of rejection*	order of selection of sub-plot group	name of crop and utilisation type	survey number	sub-plot number	percentage of gross area	cumulative percentage	order of selection of sub-plot	cause of rejection*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

[8] probable week of harvest of crops in sub-plots selected for crop-cutting experiments

order of selection	survey number	sub-plot number	name of crop	name of cultivator with address	date of contacting the cultivator for permission	probable week of harvesting
(1)	(2)	(3)	(4)	(5)	(6)	(7)

\*harvested—1, not permitted by cultivator—2, others—3.







**Government of India**  
**National Sample Survey 1968-69**  
**Twentythird Round**  
**Schedule 5.0 : Village Summary (Autumn)**

1. serial number	
2. zone-state-region	
3. stratum	
4. sub-sample	
5. sample village	
6. method code	
7. size of the village	
8. name of the village	
9. signature of investigator	
10. date of survey	

Address only



To  
 The Head,  
 National Sample Survey Department,  
 Indian Statistical Institute,  
 203, B. T. Road,  
 Calcutta-35.

1. no. of revenue villages		5. adjusted highest survey no./samp. sr. no./total no. of h. hs.						
2. no. of hamlets/parts		6. no. of clusters/h.h. surveyed						
3. no. of census villages		7. cluster size (method 1/2)						
4. highest survey/sampling serial no. (method 1/2)		8. number of plots surveyed (method 1/2)						
9. basic plots		10. multiplier*.....						
11. gross area under crops in sample plots (0.00 acres)								
pure/mixed	paddy	jowar	bajra	ragi	maize	wheat	barley	small millets
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
pure								
mixed								
12. estimated gross area (acres)*								
pure								
mixed								

\*not to be filled up by investigator.

Government of India  
National Sample Survey 1968-69  
Twentythird Round  
Schedule 5.1 : Crop cutting  
experiments (winter)

Address only

S T A M P

1	serial number	
2.	zone-state-region	
3.	stratum	
4.	sub-sample	
5.	sample village	
6.	name of village	
	signature of investigator	
8.	date of despatch	

To  
The Head,  
National Sample Survey Department,  
Indian Statistical Institute,  
203, B. T. Road,  
Calcutta-35.

## 9. results of crop-cutting experiments

sr. no.	name of crop	pure (p) of mixed(m)	order of selection	cut no.	weight of green crop (gms)			
					2' 3" total	4' border	4" others	total*
(0)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

\*not to be filled-in by the investigator.

### PUBLISHED NATIONAL SAMPLE SURVEY REPORTS

1. General Report No. 1 on the First Round (October 1950—March 1951)
2. Tables with Notes on the Second Round (April—June 1951)
3. Tables with Notes on the Third Round (August—November 1951).
4. Special Report on the Survey of Persons in the "Live Register" of Delhi Employment Exchange (August—September 1951).
5. Technical Paper on Some Aspects of the Development of the Sample Design.
6. Survey of Faridabad Township (March—April 1954).
7. Couple Fertility (Second Round : April—June 1951 and Fourth Round : April—September, 1952)
8. Report on Preliminary Survey of Urban Unemployment (September 1953)
9. Report on the Sample Survey of Displaced Persons in the Urban Areas of the Bombay State (July—September 1953).
10. First Report on Land Holdings, Rural Sector (Eighth Round : July 1954—March 1955)
11. Report on Sample Survey of Manufacturing Industries (1949—1950)
12. A Technical Note on Age Grouping Oct. 1958
13. Report on Household Transport Operations (Seventh Round : October 1953—March 1954)
14. Report on Some Characteristics of the Economically Active Population (Fourth to Seventh Round : April 1952—March 1954)
15. Report on Sample Survey of Manufacturing Industries : 1951
16. Preliminary Report on Employment and Unemployment (Ninth Round : May—November 1955)
17. Report on Sample Survey of Employment in Calcutta (1953)
18. Tables with Notes on Consumer Expenditure (Fourth Round : April—September 1952)
19. Report on Small Scale Manufacture : Household Enterprises smaller than Registered Factories (Seventh Round : October 1953—March 1954)
20. Report on Pattern of Consumer Expenditure (Second to Seventh Rounds : April 1951—March 1954)
21. Household Small Scale Manufacturing Establishments smaller than those covered by Industries (Development and Regulations), Act, 1951 (Ninth Round : May—November 1955)
22. Report on Sample Survey of Manufacturing Industries (1952)
23. Report on Sample Survey of Manufacturing Industries (1953)
24. Report on Household Retail Trade (Seventh to Ninth Rounds : October 1953—November 1955)
25. Sample Verification of Livestock Census : 1956
26. A preliminary Report on Housing Condition (Seventh Round : October 1953—March 1954)
27. Technical Records of Sample Design, Instructions to Field Workers and List of Sample Villages and Urban Block (Ninth Round : May—November 1955)
28. Report on Sample Survey of Manufacturing Industries 1954 (1)
29. Notes on Some Results of the Land Utilisation Survey (Tenth Round : December 1955—May 1956)
30. Report on Land Holdings (2) : Operational Holdings in Rural India (Eighth Round : July 1954—April—1955)
31. Tables with Notes on Household Transport Operation (Eighth to Tenth Round : July 1954—May 1956)
- 32.(I) Some Aspects of Cost of Cultivation of Paddy, Wheat, Jowar and Bajra (Fifth to Seventh Rounds : 1951—1952 and 1952—1953)
- 32.(II) Some Aspects of Costs of Cultivation of Barley, Maize, Ragi, Gram, Small Millets, Groundnut, Cotton and Jute (Fifth to Seventh Rounds : 1951—1952 and 1952—53)
- 32.(III) Some Aspects of Costs of Cultivation of Minor Cereals, Pulses, Sugarcane, Oil Seeds, Potato, Spices and Tobacco (Fifth to Seventh Rounds : 1951—1952 and 1952—1953)
33. Tables with Notes on Wages, Employment, Income and Indebtedness of Agricultural Labour Households in Rural Areas (Eleventh and Twelfth Rounds : August 1956—August 1957)
34. Tables with Notes on Employment and Unemployment (Tenth Round : December 1955—May 1956)
35. Tables with Notes on Livestock Products (Fifth to Seventh Rounds : April 1952—March 1954)
36. Reports on Land Holdings (3) : Some Aspects of Ownership Holdings (Eight Round : July 1954—April 1955)
37. Survey of Book Reader's Preference in India (Thirteenth Round : September 1957—May 1958)
38. Some Results of the Land Utilisation Survey and Crop-cutting Experiments (Thirteenth Round : September 1957—May 1958)
39. Tables with Notes on Consumer Expenditure (Eighth Round : July 1954—March 1955)
40. Tables with Notes on Consumer Expenditure (Ninth Round : May—November 1955)
41. Household Retail Trade (Tenth Round : December 1955—May 1956)
42. Report on Small Scale Manufacture : Household Enterprises smaller than Registered Factories (Seventh to Eight Rounds : October 1953—April 1955)

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NOTE.—Reports upto 84 are out of stock. Those available at the prices indicated against them can be had from the Controller of Publications, Govt. of India, Civil Lines, Delhi-110006, direct.



43. Tables with Notes on Small Scale Manufacture : Household Enterprises smaller than Registered Factories (Ninth and Tenth Rounds : May 1955-May 1956)
44. A Note on Profession and Services (Fourth to Eighth Rounds : April 1952-April 1955)
45. Report on Indian Villages : A Study of Some Social and Economic Aspects (Tenth to Twelfth Rounds : December 1955-August 1957)
46. Tables with Notes on Consumer Expenditure of Agricultural Labour Household in Rural Areas (Eleventh and Twelfth Rounds : August 1956-August 1957)
47. Tables with Notes on Consumer Expenditure (Tenth Round : December 1955-May 1956)
48. Preliminary Estimates of Birth and Death rates and of the Rate of Growth of Population (Fourteenth Round: July 1958-July 1959)
49. Report on Morbidity (Seventh Round : October 1953-March 1954 and Eleventh to Thirteenth Rounds : August 1956-May 1958)
50. Tables with Notes on Housing Condition (Tenth Round : December 1955-May 1956)
51. Tables with Notes on Housing Condition (Eleventh Round : August 1956 -January 1957)
52. Tables with Notes on Employment and Unemployment (Eleventh and Twelfth Rounds : August 1956-August 1957)
53. Tables with Notes on Internal Migration (Ninth, Eleventh Twelfth and Thirteenth Rounds : May 1955-May 1958)
54. Vital Rates (Seventh Round : October 1953-March 1954)
55. Report on Sample Survey of Manufacturing Industries (1954) (2) : Exploratory Survey of Scheduled Industries
56. Report on Sample Survey of Manufacturing Industries 1955 (1) : Survey of Scheduled Industries
57. Report on Sample Survey of Manufacturing Industries, 1955(2)
58. Report on Sample Survey of Manufacturing Industries, (1956)(1) : Survey of Scheduled Industries
59. Tables with Notes on Pattern of Household Ownership and Possession of Land in Rural Areas : 1950-51 to 1953-54 (Eighth Round : July 1954-April 1955)
60. Tables with Notes on Farming Condition and Practices in Rural Areas 1953-54 (Eighth Round : July 1954-April 1955)
61. Notes on the Results of the Land Utilisation Survey and Crop-cutting Experiment (Eleventh Round : August 1956-February 1957)
62. Supplementary Report on Employment and Unemployment (Ninth Round : May-November 1955)
63. Tables with Notes on Employment and Unemployment in Urban Areas (Thirteenth Round: September 1957-May 1958)
64. Indian Villages : A Study of Some Social and Economic Aspects (Thirteenth Round : September 1957-May 1958)
65. Tables with Notes on Animal Husbandry (Eleventh Round : August 1956-January 1957)
66. Report on Land Holdings (4) Rural Sector, States (Eighth Round : July 1954-April 1955)
67. Tables with Notes on Housing Condition (Twelfth Round : March-August 1957)
68. Tables with Notes on Rural Indebtedness (Eighth Round : July 1954-April 1955)
69. Notes on the Results of the Land Utilisation Survey and Crop-cutting Experiments (Twelfth Round : March-August 1957)
70. Technical Paper on Sample Design (Fourteenth Round : July 1958-June 1959)
71. Consumer Expenditure by Levels of Household Expenditure (Thirteenth Round : September 1957-May 1958)
72. Tables with Notes on Milk Production (Twelfth Round : March-August 1957)
73. Some Results of the Land Utilisation Survey and Crop-cutting Experiments (Fourteenth Round : July 1958-June 1959)
74. Report on Land Holdings (5) Rural Sector (Some Aspects of Operational Holdings-Population Zones and All-India (Eighth Round : July 1954-April 1955)
75. Report on Sample Survey of Manufacturing Industries, 1956(2)
76. Fertility and Mortality Rates in Rural India (Fourteenth Round : July 1958-June 1959)
77. Tables with Notes on Consumer Expenditure (Eleventh Round : August 1956-February 1957)
78. Tables with Notes on Consumer Expenditure (Twelfth Round : March-August 1957)
79. Some Results of the Land Utilisation Survey and Crop-cutting Experiments (Fifteenth Round : July 1959-June 1960)
80. Tables with Notes on Consumer Expenditure (Thirteenth Round : September 1957-May 1958)
81. Report on Land Holdings : Urban Sector (Eighth Round : July 1954-April 1955)
82. Tables with Notes on Some Aspects of Cost of Cultivation of Paddy, Wheat, Barley, Maize, Millets, Pulses, Oil Seeds and Vegetables, Urban India (Fifth to Seventh Rounds, 1951-1953)
83. Report on Sample Survey of Manufacturing Industries, 1957(1)
84. Tables with Notes on Sample Survey of Manufacturing Industries : Survey of Scheduled Industries 1957(3)
85. Tables with Notes on Employment & Unemployment in Urban Areas (Fourteenth Round : July 1958-June 1959) —Rs. 1.50.
86. Tables with Notes on Sample Survey of Manufacturing Industries : 1957(2)—Rs. 6.25
87. Tables with Notes on Average Budget of Agricultural Labour Households in Rural Areas (Eleventh and Twelfth Rounds : August 1956-August 1957)—Rs. 7.25
88. Tables with Notes on Household Receipts and Disbursements in Rural & Urban areas (Fourteenth Round : July 1958-June 1959)—Rs. 4.80
89. Tables with Notes on Dwelling Habits of Occupants of the Two room Government Residences in New Delhi—July 1960—Rs. 6.00
90. Tables with Notes on Survey of Scheduled Industries, 1958 : Sample Survey of Manufacturing Industries—Rs. 8.00

91. Tables with Notes on the Annual Survey of Industries, 1959 : Sample Sector, Summary Results—Rs. 7.25.
92. Some results of Land Utilisation Survey and Crop-cutting Experiments (Sixteenth Round) : July 1960-June 1961)—Rs. 3.10.
93. Tables with Notes on the Sample Survey of Manufacturing Industries 1958, Factory Establishments : Summary Results. (Out of stock).
94. Tables with Notes on Small Scale Manufacture : Rural and Urban (Household Enterprises smaller than the Registered Factories) (Fourteenth Round : July 1958-June 1959)—Rs. 4.85.
95. Tables with Notes on Household Indebtedness (Sixteenth Round : July 1960-June 1961)—Rs. 1.90
96. Tables with Notes on the Annual Survey of Industries, 1960 : Sample Sector, Summary Results—Rs. 4.85
97. Tables with Notes on Capital Formation (Fifteenth Round—Rural : July 1959-June 1960)—Rs. 2.45
98. Tables with Notes on Consumer Expenditure (Preliminary) (Fifteenth Round : July 1959-June 1960)—Rs. 4.30
99. Tables with Notes on Household Non-Registered Trade (Fifteenth Round : July 1959-June 1960)—Rs. 3.05
100. Tables with Notes on Rural Employment and Unemployment (Fourteenth Round : July 1958-June 1959)—Rs. 4.70
101. Tables with Notes on Consumer Expenditure (Preliminary) (Sixteenth Round : July 1960-June 1961)—Rs. 4.65
102. Tables with Notes on Consumer Expenditure (Fourteenth Round : July 1958-June 1959)—Rs. 4.25.
103. Tables with Notes on Urban Labour Force (Sixteenth Round : July 1960-June 1961)—Rs. 2.05.
104. Tables with Notes on Consumer Expenditure (Fifteenth Round : July 1959-June 1960)—Rs. 3.90
105. Tables with Notes on Household Non-Mechanised Transport and Utilisation of Working Animals (Fifteenth Round July 1959-June 1960)—Rs. 2.20.
106. Tables with Notes on Land Utilisation Survey and Crop-cutting Experiments (Seventeenth Round : July 1961-June 1962)—Rs. 1.90.
107. Tables with Notes on Consumer Expenditure (Eleventh and Twelfth Rounds : August 1956—August 1957)—Rs. 2.90.
108. Report on the Type Study on Consumption and Disposal of Cereals and Capital Formation by Household 1959-60 (Out of stock).
109. Tables with Notes on Indian Villages (Fourteenth Round : July 1958-June 1959)—Rs. 1.60.
110. Tables with Notes on Rates of Birth, Death and Growth of Rural Population (Fifteenth Round : July 1959-June 1960)—Rs. 1.20.
111. Tables with Notes on Sample Survey of Manufacturing Industries, 1958: Factory Establishments : Detailed Results—Rs. 5.50.
112. Tables with Notes on Land Utilisation Survey and Crop-cutting Experiments (Eighteenth Round : July 1962-June 1963)—Rs. 3.95.
113. Tables with Notes on Agricultural Holdings in Rural India (Sixteenth Round : July 1960-June 1961)—Rs. 5.25
114. Tables with Notes on Employment and Unemployment in Rural Areas (Sixteenth Round : July 1960-June 1961)—Rs. 12.50.
115. Tables with Notes on Disposal of Cereals by Producer Households in Rural Areas (15th Round : July 1959-June 1960)—Rs. 2.70.
116. Tables with Notes on Family Planning (Sixteenth Round : July 1960-June 1961)—Rs. 8.50.
117. Tables with Notes on the Enquiry of Physically Handicapped Persons (Sixteenth Round : July 1960-August 1961)—Rs. 1.20.
118. Tables with Notes on the Annual Survey of Industries, 1961 : Sample Sector, Summary Results—Rs. 7.25.
119. Special Study on Morbidity (Sixteenth Round : November 1960-October 1961)—Rs. 8.50
120. Tables with Notes on Annual Survey of Industries, 1962 : Sample Sector, Summary Results—Rs. 12.00.
121. Preliminary Estimates of Birth and Death Rates and of the Rates of Growth of Population (18th Round : Feb. 1963-Jan. 1964)—Rs. 4.35.
122. Tables with Notes on the Annual Survey of Industries, 1959 : Sample Sector (Detailed Results)—Rs. 20.50.
123. Tables with Notes on the Annual Survey of Industries, 1963 : Sample Sector (Summary Results)—Rs. 9.75.
124. Some Results of the Land Utilisation Survey and Crop-cutting Experiments (Eighteenth Round: July 1963-June 1964)—Rs. 3.85.
125. Technical Paper on Sample Design (Nineteenth Round : July 1964-June 1965)—Rs. 5.25.
126. Tables with Notes on Internal Migration (Fourteenth Round : July 1958-June 1959 and Fifteenth Round : July 1959-June 1960)—Rs. 4.60.
127. Tables with Notes on Urban Labour Force (Seventeenth Round : September 1961-July 1962)—Rs. 9.50.
128. Tables with Notes on Internal Migration (Rural) (14th Round : July 1958-June 1959) (Out of stock).
129. Report on Pilot Enquiry on Morbidity (17th Round : September 1961-July 1962)—Rs. 10.00.
130. Tables with Notes on Professions and Liberal Arts (18th Round : February 1963-January 1964)—Rs. 3.30.
131. Tables with Notes on the Annual Survey of Industries, 1960, Sample Sector (Detailed Results)—Rs. 8.25.
132. Tables with Notes on the Annual Survey of Industries, 1964, Sample Sector (Summary Results)—Rs. 13.50.
133. Some Results of the Land Utilisation Survey and Crop-cutting Experiments (19th Round : July 1964-June 1965)—Rs. 7.00.
134. Tables with Notes on Income of Rural Labour Households (18th Round : February 1963-January 1964)—Rs. 3.75.
135. Tables with Notes on Consumer Expenditure (Preliminary) (17th Round : September 1961-July 1962)—Rs. 7.50.
136. Tables with Notes on Capital Formation (Urban) (17th Round : September 1961-July 1962)—Rs. 5.75,
137. Tables with Notes on Housing Condition (16th Round : July 1960-August 1961)—Rs. 8.00.

138. Tables with Notes on Consumer Expenditure (16th Round : July 1960-August 1961)—Rs. 4.50.
139. Tables with Notes on the Annual Survey of Industries 1961, Sample Sector (Detailed Results)—Rs. 25.50.
140. Tables with Notes on Some Aspects of Agriculture in India (Rural) (11th Round : August 1956—February 1957)—Rs. 10.50.
141. Tables with Notes on Household Consumption of Fuel and Light (18th Round : February 1963—January 1964)—Rs. 11.00.
142. Tables with Notes on Consumer Expenditure (Preliminary) (18th Round : February 1963-January 1964)—Rs. 25.00.
143. Tables with Notes on Indebtedness of Scheduled Tribe Households (18th Round : February 1963-January 1964)—Rs. 6.25.
144. Tables with Notes on Some Aspects of Land Holdings in Rural Areas (States and All-India Estimates) (17th Round : September 1961-July 1962)—Rs. 8.50.
145. Tables with Notes on Income of Scheduled Tribe Households (18th Round : February 1963-January 1964)—Rs. 3.60.
146. Tables with Notes on Housing Condition (15th Round : July 1959-June 1960)—Rs. 13.00.
147. Some Results of the Land Utilisation Survey and Crop-cutting Experiments (20th Round : July 1965-June 1966) Rs. 8.00.
148. Report on Special Survey on Household Entrepreneurial Activities in Aligarh Town, 1959-60—Rs. 3.40.
149. Report on Pilot Study on Non-Household Enterprises (19th Round : February 1964-June 1965)—Rs. 1.70.
150. Tables with Notes on Housing Condition (17th Round : September 1961-July 1962)—Rs. 9.50.
151. Tables with Notes on Consumer Expenditure (Some Selected Items) (18th Round : February-June 1964)—Rs. 8.00.
152. Tables with Notes on Urban Labour Force (18th Round : February 1963-January 1964)—Rs. 4.70.
153. Differential Birth, Death and Infant Mortality Rates in Rural Households (15th Round : July 1959-July 1960 (Out of stock).
154. Tables with Notes on Couple Fertility (17th Round : September 1961-July 1962)—Rs. 15.50.
155. Tables with Notes on Consumer Expenditure (Some Important Items) (18th Round : February 1963-January 1964)—Rs. 11.50.
156. Tables with Notes on Rural Employment and Unemployment (15th Round : July 1959-June 1960)—Rs. 14.50.
157. Tables with Notes on Urban Employment and Unemployment (15th Round : July 1959-June 1960)—Rs. 22.00.
158. Tables with Notes on Consumer Expenditure of Scheduled Tribe Household (18th Round : July 1963-May 1964) (Out of stock).
159. Tables with Notes on Some Aspects of Land Holdings in Rural India (Sixteenth Round : July 1960-June 1961)—Rs. 12.00.
160. Some Results of Land Utilisation Survey and Crop-cutting Experiments (21st Round : July 1966-June 1967)—Rs. 9.00.
161. Tables with Notes on the Annual Survey of Industries, 1965, Sample Sector : Summary Results—Rs. 13.00.
162. Tables with Notes on Some Results of Land Holding in Rural India (17th Round : September 1961-July 1962)—Rs. 11.00.
163. Tables with Notes on Urban Labour Force (19th Round : July 1964-June 1965)—Rs. 4.50.
164. Tables with Notes on the Annual Survey of Industries 1962, Sample Sector : Detailed Results.—Rs. 11.00
165. Tables with Notes on Some Aspects of Land Holding in Urban Areas (17th Round : September, 1961-July 1962)—Rs. 11.00.
166. Tables with Notes on Urban Labour Force (20th Round : July 1965-June 1966)—Rs. 6.25.
167. Tables with Notes on Villages and Towns in India (19th Round : July 1964-June 1965)—Rs. 6.50.
168. Tables with Notes on the Annual Survey of Industries 1963, Sample Sector : Detailed Results—Rs. 18.00
169. Tables with Notes on Housing Condition of Scheduled Tribe Households (18th Round : June 1963-May 1964)—Rs. 4.00.
170. Tables with Notes on Housing Condition (18th Round : February 1963-January 1964)—Rs. 7.25.
171. Some Results relating to Construction of Pucca Houses in Rural and Urban Areas (22nd Round : July 1967-June 1968)—Rs. 2.95.
172. Tables with Notes on Indian Villages—Some Important Results (18th Round : Feb. 1963-Jan. 1964)—Rs. 5.30.
173. Tables with Notes on Employment & Unemployment in Rural and Urban Areas of India (19th Round : July 1964-June 1965)—Rs. 8.25.
174. Tables with Notes on the Annual Survey of Industries, 1966, Sample Sector : Summary Results—Rs. 17.00.
175. Tables with Notes on Differential Fertility and Mortality Rates in India (18th Round: Feb. 1963-Jan. 1964)—Rs. 7.75.
176. Some Results of the Land Utilisation Survey and Crop-cutting Experiments (22nd Round : July-1967-June 1968.—Rs. 6.50.
177. Vital Rates in India (19th Round : July 1964-June 1965)—Rs. 8.00.
178. Tables with Notes on the Annual Survey of Industries, 1965, Sample Sector : Detailed Results—Rs. 14.50.
179. Table with Notes on Consumer Expenditure (Preliminary) (19th Round : July 1964-June 1965).
180. Tables with Notes on the Fertility & Mortality Rates in Urban Areas of India (16th Round : July 1960-August 1961)—Rs. 6.75.
181. Tables with Notes on Urban Labour Force (21st Round : July 1966-June 1967)—Rs. 8.50.
182. Tables with Notes on Internal Migration (18th Round : Feb. 1963-Jan. 1964)—Rs. 12.00.
183. Tables with Notes on Post Census Survey of Livestock Numbers-1966 (Rural Sector)—Rs. 11.00.

- 184.\* Tables with Notes on Consumer Expenditure (17th Round : Sept. 1961-July 1962)
185. Age Pattern of marriages and Fertility of Couples (19th Round : July 1964-July 1965)—Rs. 8.25.
185. Tables with Notes on Differential Fertility and Mortality Rates in Rural & Urban Areas of India (19th Round : July 1964-June 1965) (Integrated Household Survey, Schedule 17)—Rs. 1.55.
187. Pilot Enquiry of Building Construction, Some Results (22nd Round : July 1967-June 1968) (Urban)—Rs. 5.50.
188. Tables with Notes on the A.S.I., 1964, Sample Sector : Detailed Results Rs.24.00.
189. Tables with Notes on Household Consumer Expenditure and Enterprise for the Rural and Urban areas of India (19th Round : July 1964-June 1965) (Schedule 17)—Rs. 18.50.
190. Tables with Notes on Employment and Unemployment in Rural areas (17th Round : Sept. 1961-July 1962), Rs. 18.50.
191. Tables with Notes on Consumer Expenditure in urban areas (13th Round : July 1963-May 1964). Rs. 6.00.
192. Tables with Notes on Consumer Expenditure (19th Round : July 1964-June 1965).Rs. 10-50.
193. Tables with Notes on Family Planning (22nd Round : July 1967-June 1968). Rs. 2.60.
194. Tables with Notes on the Annual Survey of Industries, 1967 Sample sector : Summary Results—Rs. 18.00.
195. Tables with Notes on Housing Condition (19th Round : July 1964-June 1965). Rs. 5.00.
196. Tables with Notes on villages and Towns in India : Some Results (22nd Round : July 1967-June 1968). Rs. 6.75.
197. Tables with Notes on Household Distribution Trade (20th Round : July 1965-June 1966) — Rs. 8.00.
- 198.\* AS I—1966—Sample Sector : Detailed Results.
- 199.\* Tables with Notes on Capital Formation : (19th Round : July 1964-June 1965).
200. Some Result on the land Utilisation Survey and Crop-cutting Experiments (23rd Round : July 1968-June 1969).

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NOTE.— Report Nos. marked \* are under print.