

3. AGRICULTURE

This section contains tables regarding pattern of land utilisation, area, production and yield per hectare of principal crops in India. The section also contains a table on index numbers of agricultural production and a table on agricultural implements and machinery. The source for these data is the Ministry of Agriculture, which, however collects primary data from individual State Authorities.

Table 3.1 Reported Area

This table presents data regarding area classified by categories of land utilisation which are explained below:

Reported Area is the area for which information on 'land use by classification of area' is available. Generally, land utilisation figures are based on the returns prepared by the village staff for revenue purposes.

Area under 'forests' includes area actually forested or lands classed or administered as forests under any legal enactment dealing with forests whether State-owned or private and whether wooded or maintained as potential forest land. The area of crops raised in the forests and grazing lands open for grazing within the forests are also included under the forest area.

Figures of forest area shown in the table do not tally with corresponding figures of area given in chapter 5 for the following reasons:

(a) Differences in periods covered: The period of preparation of two sets of figures differ. These figures based on Agricultural Statistics Returns generally relate to the Agricultural Year (July -June) whereas the forest area presented in the forest section relates to the financial Year (April-March).

(b) Diversity in the meaning attached to the term "Area Under Forests" in the Indian Forests Statistics Returns, the whole area including non-wooded area under the control of Forests Deptt., is utilised.

(c) Differences in coverage: Forest Deptt. reports are expected to cover all forest areas in the States but Agricultural Statistics relate only to the reporting area.

Area not available for cultivation is the land which is absolutely barren or uncultivable or covered by building, water, roads, railways, mountains, deserts or otherwise appropriated for non-agricultural purposes.

Other unutilised land excluding current fallows, include the following categories:

(i) Permanent pastures and other grazing lands which cover all grazing land whether they are permanent pastures and meadows or not and village common grazing land.

(ii) Land under miscellaneous trees, crops and groves not included in the net area sown which includes all cultivable land, not included under area sown but put to some agricultural use. Land under casuarina trees and others groves for fuel, etc. which are not included under orchards, are also included in this category.

AGRICULTURE-Contd.

(iii) Culturable Waste land which includes all land available for cultivation but not taken up for cultivation or taken up for cultivation once but not cultivated during the year and the last five years or more in succession.

Fallow land implies all land which were taken up for cultivation but are temporarily out of cultivation for a period of not less than one year and not more than five years. "Fallow land" has been split up into (i) "current fallow land"; and (ii) "other fallow land". Land lying fallow for a period of one year, are included under "current fallows", those lying fallow for more than one year but less than five years, are included under "other fallow land" while those fallow beyond a period of five years, are included under "culturable wastes" or under "miscellaneous tree crops and groves" (not included under net area sown) as the case may be.

Net area sown, area sown more than once and total cropped area:- In computing the aggregate net area sown, area sown more than once has been counted only once. However, while calculating the total cropped area, if different crops are raised in a year on a given land, the same area is accounted more than once.

Tables 3.2 and 3.3

Figures are given for area under and production of principal crops in tables 3.2 and 3.3 respectively. Regular all India forecasts are issued in regard to most of these crops viz., all food grains, oilseeds, fibres, potatoes, sugarcane, ginger, black pepper, chillies and tobacco. The estimates of area and production of coffee, tea and rubber are based on special returns received from the State Governments in connection with the all-India publications on these crops. For some recent years, however, in the absence of necessary data from the State Govts., figures as available from Coffee Board, Tea Board & Rubber Board have been provisionally adopted.

The data relate to crop year ending June unless otherwise stated. Figures for the latest year are the final forecasts. Figures for earlier years are fully revised estimates

Table 3.4

This table presents data regarding average yields of principal crops in quintals per hectare. Average yields per hectare of principal crops have been obtained by dividing the total production by the corresponding total area under each crop. All India and State average yield per hectare has generally been calculated on the basis of area and production figures rounded up to hundreds in the case of forecast crops, i.e. foodgrains, potato, sugarcane, groundnut, castorseed, sesamum, rapeseed & mustard, linseed, safflower, nigerseed, sunflower, soyabean, coconut, cotton, jute, mesta, sannhemp, tobacco, black pepper, ginger, chillies, turmeric, coriander, cardamom, garlic, guarseed, arecanut, banana, sweet potato, tapioca and onion. In the case of tea, rubber and minor crops, average yield has been calculated on the basis of area and production figures upto the unit place. In the case of coffee, yields per hectare relate to sowing or plucked area and in the case of rubber to tapped area.

Table 3.5

This table shows the index of agricultural production in India with base "Crop years-triennium ending 1981-82=100". The index covers 42 crops divided into two main groups viz. (Foodgrains & Non-Foodgrains) and 8 sub-groups viz. (Cereals, Pulses, Oilseeds, Fibres, Plantation Crops, Condiments & Spices, Fruits & Vegetables and Miscellaneous). Weights have been assigned to different crop indices in proportion to the total value of production of each crop during the base periods. The output has been evaluated at annual harvest prices prevailing during the year. In a few cases where reliable harvest prices were not available, average wholesale-prices during the post harvest period have been used with appropriate adjustment. Weights allotted to each crop are mentioned in the table. During recent years, a number of additional crops have been covered under the system of crop estimation. The coverage of the all India series has thus been enlarged by including these additional crops viz., fruits and vegetables, turmeric & arecanuts, guar seed etc.

AGRICULTURE-Concl.d.

The change over during the last decade or so from the traditional method of reporting area and production of crops to the method of complete enumeration in the case of area and to crop estimation survey for estimation of yield rates and also increase in reporting area, have taken place progressively in respect of different crops in different states. To provide for these changes in coverage and methods of estimation, the index numbers of agricultural production are constructed by the chain-base method under which the production of a crop during a year is expressed as a relative to that of the corresponding production in the preceding year, based on the same coverage and methods of estimation. These relatives for each crop are linked to the base year through the intervening chain relatives to give the production index for the crop.

The application of chain-base method involves two assumptions which are:

(i) The variation in production in the non-reporting areas is the same as that in the reporting areas in the aggregate; and

(ii) the relative variation in the figures of production based on crop-estimation surveys is the same as that based on the traditional method of crop estimation employing eye-appraisal and normal yield figures.

The practical implications of (ii) above are that for the transitional year, that is, when the method of estimation undergoes a change the estimates of production should be available on the basis of both the traditional method and the crop-estimation surveys.

$$\text{Index of Agricultural Production} = \frac{(a_{ij} y_{ij} p_{io})}{(a_{io} y_{io} p_{io})} \times 100$$

$$= \frac{(P_{ij} p_{io})}{(P_{io} p_{io})} \times 100$$

where a_{ij} = area under the i th crop in the j th year.

a_{io} = area under the i th crop in the base period.

y_{ij} = yield per hectare of the i th crop in the j th year

y_{io} = yield per hectare of the i th crop in the base period.

p_{io} = price per unit of the i th crop in the base period.

P_{ij} = production of the i th crop in the j th year.

P_{io} = production of the i th crop in the base period.

Table 3.6

This table gives an account of agricultural implements and machinery in actual use as recorded in the quinquennial livestock censuses. Statewise details are given for the livestock census year Conducted in 2003.

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Table 3.1(A)- PATTERN OF LAND UTILISATION

('000 hectare)

Year/State/ Union Territory	Reporting area for land utiliza- tion statistics (col.3 to 10)	Classification of reported area					Cultu- rable waste land
		Forests	Not avai- lable for culti- vation	Permanent pastures & other gra- zing lands	Land under misc. tree crops & groves (not included in net area sown)		
1	2	3	4	5	6	7	
1990-91	304862	67805	40476	11404	3818	14995	
1995-96 (P)	304875	68817	41371	11064	3481	14098	
1996-97 (P)	304878	68750	41543	11040	3567	13947	
1997-98 (P)	305786	69012	42136	11046	3616	13880	
1998-99 (P)	306053	68980	42315	11127	3629	13904	
1999-00 (P)	306015	68967	42397	11038	3640	13797	
2000-01 (P)	306078	69224	42885	10897	3347	13638	
2001-02 (P)	304845	69487	41780	10581	3335	13352	
2001-02 (P)							
State:							
Andhra Pradesh	27440	6199	4749	676	277	700	
Arunachal Pradesh (r)	5498	5154	26	4	36	37	
Assam (c)	7850	1933	2532	160	209	76	
Bihar	9360	622	2079	18	235	46	
Chhattisgarh	13736	6247	1029	849	4	334	
Goa	361	125	37	1	1	55	
Gujarat (p)	18639	1706	3726	850	4	1988	
Haryana	4372	45	526	25	7	30	
Himachal Pradesh	4543	1099	1124	1519	60	122	
Jammu & Kashmir	3781	2023 (k)	582	125	72	140	
Jharkhand(x)	7970	2333	1366	88	113	274	
Karnataka	19050	3070	2133	956	302	423	
Kerala	3885	1082	422	(a)	14	64	
Madhya Pradesh	30755	8683	3255	1481	18	1218	
Maharashtra	30758	5217	3095	1250	245	915	
Manipur (p)	1883	1693 (k)	27	1	6	1	
Meghalaya	2227	951	223	-	155	441	
Mizoram	2078	1626	130	11	19	5	
Nagaland	1608	863	67	-	124	61	
Orissa	15571	5813	1842	443	482	392	
Punjab (c)	5033	280	437	4	3	15	
Rajasthan	34265	2645	4272	1699	13	4731	
Sikkim (r)	674	265 (k)	250	4	5	2	
Tamil Nadu	12991	2132	2476	118	271	387	
Tripura (u)	1049	606	134	(n)	27	1	
Uttaranchal(x)	5567	3466	462	223	218	323	
Uttar Pradesh	24202	1689	3109	71	355	518	
West Bengal	8695	1184	1573	4	56	38	
Union Territory:							
A. & N. Islands (r)	746	717 (k)	5	(a)	1	1	
Chandigarh	7	(a)	4	-	(a)	-	
D. & N. Haveli	49	20	4	1	-	-	
Daman & Diu (r)	2	-	-	-	-	-	
Delhi(p)	147	1	88	(a)	1	10	
Lakshadweep (x)	3	-	-	-	-	-	
Pondicherry	49	-	16	(a)	1	4	

(r) As per Agricultural census 1995-96 except total cropped area. (p) Relates to the year 2001-02

(x) Relates to the year 1999-2000

(a) Below 500 hectares

(k) As per Forestry Statistics of India -2003

(u) Relates to the year 1988-89

(c) Relates to the year 2000-01

(n) Includes under the head "Land under miscellaneous tree crops and groves etc.".

Note:- Figures for 2001-02 shown earlier have been revised in all the three parts of Land Use Statistics for 2001-02. The figures classified under different columns for different categories of land use viz, land put to different uses to nine-fold classification, area under irrigation and area under crops do not always add up in sub-totals and as the area totals at state and all India levels due to rounding off the figures.

For other footnotes, please see next page.

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Table 3.1(A)- PATTERN OF LAND UTILISATION-Concl'd.

(*000 hectare)

Year/State Union Territory	Classification of reported area -Concl'd.				Total cropped area
	Fallow land		Net area sown	Area sown more than once	
	Fallow lands other than current fallows	Current fallows			
1	8	9	10	11	12
1990-91	9662	13703	142999	42743	185742
1995-96 (P)	10016	13831	142197	45274	187471
1996-97 (P)	9892	13326	142813	46779	189592
1997-98 (P)	9748	14265	142083	48487	190570
1998-99 (P)	9929	13589	142581	50453	193034
1999-00 (P)	10083	14989	141104	49217	190321
2000-01 (P)	10110	14899	141079	45277	186356
2001-02 (P)	10254	14673	141383	49105	190488
2001-02(P)					
State:					
Andhra Pradesh	1421	3007	10410	2347	12756
Arunachal Pradesh (r)	47	30	164	84	248
Assam (c)	67	80	2793	1191	3985*
Bihar	135	563	5664	2233	7897
Chhatisgarh	231	243	4800	796	5595
Goa	-	-	141	27	168
Gujarat	11	733	9622	1112	10734
Haryana	(a)	173	3566	2752	6318
Himachal Pradesh	13	56	550	406	956
Jammu & Kashmir	8	82	748	358	1106
Jharkhand(x)	783	1244	1769	319	2088*
Karnataka	426	1728	10031	1638	11670
Kerala	34	79	2191	802	2992
Madhya Pradesh	604	636	14859	4185	19044
Maharashtra	1195	1222	17619	4762	22381
Manipur(p)	(a)	(a)	155	61	216
Meghalaya	162	65	230	11	248
Mizoram	163	36	87	-	87
Nagaland	74	87	333	45	378
Orissa	434	320	5845	2954	8799
Punjab (c)	3	40	4250	3866	8116*
Rajasthan	2321	1819	16765	4033	20798
Sikkim (r)	30	5	120(b)	12	131*
Tamil Nadu	1409	1026	5172	1054	6226
Tripura (u)	1	1	280	58	338*
Uttaranchal(x)	14	68	793	475	1269@*
Uttar Pradesh	624	1026	16812	9196	26008@*
West Bengal	28	289	5522	4257	9779
Union Territory:					
A. & N. Islands (r)	4	1	17	27	44*
Chandigarh	(a)	(a)	2	1	3
D. & N. Haveli	1	1	23	7	30
Daman & Diu (r)	-	-	2	1	3*
Delhi(p)	7	10	29	23	52
Lakshadweep (x)	-	-	3	-	3*
Pondicherry	3	1	24	15	39

Source: Directorate of Economics and Statistics, Ministry of Agriculture

(r) As per Agricultural census 1995-96 except total cropped area.

(n) Includes under the head "Land under miscellaneous tree crops and groves etc.

(k) As per Forestry Statistics of India -2003

(u) Relates to the year 1988-89

(x) Relates to the year 1999-2000

(c) Relates to the year 2000-01

(a) Below 500 hectares

(b) Estimated on the basis of percentage irrigated area in 1995-96

@ Includes area prepared for sowing of sugarcane.

* Forecase data has been utilised in estimating Gross Cropped Area.

Note:- Figures for 2001-02 shown earlier have been revised in all the three parts of Land Use Statistics for 2001-02 & 2002-03.

2. The figures classified under different columns for different categories of land use viz, land put to different uses according to nine-fold classification, area under irrigation and area under crops do not always add up in sub-totals and as a whole to the area totals at state and all India levels due to rounding off the figures.

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Table 3.1(B)- PATTERN OF LAND UTILISATION

('000 hectare)

Year/State/ Union Territory	Reporting area for land utiliza- tion statistics (col.3 to 10)	Classification of reported area				
		Forests	Not avai- lable for culti- vation	Permanent pastures & other gra- zing lands	Land under misc. tree crops & groves (not included in net area sown)	Cultu- rable waste land
1	2	3	4	5	6	7
1990-91	304862	67805	40476	11404	3818	14995
1995-96 (P)	304875	68817	41371	11064	3481	14098
1996-97 (P)	304878	68750	41543	11040	3567	13947
1997-98 (P)	305786	69012	42136	11046	3616	13880
1998-99 (P)	306053	68980	42315	11127	3629	13904
1999-00 (P)	306015	68967	42397	11038	3640	13797
2000-01 (P)	306078	69224	42885	10897	3347	13638
2001-02 (P)	304845	69487	41780	10581	3335	13352
2002-03 (P)	304847	69467	42037	10499	3325	13483
2002-03 (P)						
State:						
Andhra Pradesh	27440	6199	4787	676	277	701
Arunachal Pradesh (r)	5498	5154	26	4	36	37
Assam (c)	7850	1933	2532	160	209	76
Bihar	9360	622	2079	18	237	46
Chhattisgarh	13790	6300	1034	856	1	337
Goa	361	125	37	1	1	55
Gujarat (p)	18639	1706	3726	850	4	1988
Haryana	4375	45	569	25	6	35
Himachal Pradesh	4543	1099	1125	1518	58	122
Jammu & Kashmir	3781	2023 (k)	582	125	72	142
Jharkhand(x)	7970	2333	1366	88	113	274
Karnataka	19050	3070	2120	952	305	421
Kerala	3885	1082	423	(a)	13	69
Madhya Pradesh	30756	8681	3307	1394	19	1213
Maharashtra	30758	5214	3099	1249	247	915
Manipur (p)	1883	1693 (k)	27	1	6	1
Meghalaya	2227	951	223	-	155	441
Mizoram	2044	1542	132	9	15	10
Nagaland	1599	863	67	-	124	60
Orissa	15571	5813	1842	443	482	392
Punjab (c)	5033	280	437	4	3	15
Rajasthan	34266	2651	4279	1703	12	4866
Sikkim (r)	670	265 (k)	250	4	5	2
Tamil Nadu	12991	2132	2490	118	278	389
Tripura (u)	1049	606	134	(n)	27	1
Uttaranchal(x)	5567	3466	462	223	218	323
Uttar Pradesh	24202	1689	3129	69	342	500
West Bengal	8687	1194	1633	4	55	37
Union Territory:						
A. & N. Islands (r)	746	717 (k)	5	(a)	1	1
Chandigarh	7	(a)	4	-	(a)	-
D. & N. Haveli	49	20	4	1	-	-
Daman & Diu (r)	2	-	-	-	-	-
Delhi(p)	147	1	88	(a)	1	10
Lakshadweep (x)	3	-	-	-	-	-
Pondicherry	49	-	17	(a)	1	4

(r) As per Agricultural census 1995-96 except total cropped area. (p) Relates to the year 2001-02

(x) Relates to the year 1999-2000

(a) Below 500 hectares

(k) As per Forestry Statistics of India -2003

(u) Relates to the year 1988-89

(c) Relates to the year 2000-01

(n) Includes under the head "Land under miscellaneous tree crops and groves etc.".

Note:- Figures for 2001-02 shown earlier have been revised in all the three parts of Land Use Statistics for 2001-02 & 2002-

2. The figures classified under different columns for different categories of land use viz, land put to different uses according to nine-fold classification, area under irrigation and area under crops do not always add up in sub-totals and as a whole to the area totals at state and all India levels due to rounding off the figures.

For other footnotes, please see next page.

3. AGRICULTURE

Table 3.1(B)- PATTERN OF LAND UTILISATION-Concl'd.

('000 hectare)

Year/State Union Territory	Classification of reported area -Concl'd.		Net area sown	Area sown more than once	Total cropped area
	Fallow land				
	Fallow lands other than current fallows	Current fallows			
1	8	9	10	11	12
1990-91	9662	13703	142999	42743	185742
1995-96 (P)	10016	13831	142197	45274	187471
1996-97 (P)	9892	13326	142813	46779	189592
1997-98 (P)	9748	14265	142083	48487	190570
1998-99 (P)	9929	13589	142581	50453	193034
1999-00 (P)	10083	14989	141104	49217	190321
2000-01 (P)	10110	14899	141079	45277	186356
2001-02 (P)	10254	14673	141383	49105	190488
2002-03 (P)	11708	21531	132798	43190	175988
2002-03(P)					
State:					
Andhra Pradesh	1679	3507	9615	1944	11559
Arunachal Pradesh (r)	47	30	164	91	255
Assam (c)	67	80	2793	1170	3964*
Bihar	133	499	5725	2232	7957
Chhatisgarh	235	273	4754	692	5446
Goa	-	-	141	22	164
Gujarat	11	733	9622	237	9859*
Haryana	3	233	3458	2574	6031
Himachal Pradesh	15	60	545	407	951*
Jammu & Kashmir	13	91	733	345	1078
Jharkhand(x)	783	1244	1769	291	2060*
Karnataka	513	1832	9838	1741	11579*
Kerala	39	71	2189	782	2970
Madhya Pradesh	626	997	14518	3560	18078
Maharashtra	1200	1255	17579	4808	22387
Manipur(p)	(a)	(a)	155	64	219*
Meghalaya	162	65	230	18	248
Mizoram	206	41	90	-	90
Nagaland	74	86	324	45	370
Orissa	434	485	5680	2173	7853
Punjab (c)	3	40	4250	3576	7826*
Rajasthan	3259	6688	10807	2410	13218
Sikkim (r)	30	5	116(b)	11	127*
Tamil Nadu	1491	1503	4590	601	5191
Tripura (u)	1	1	280	66	346*
Uttaranchal(x)	14	68	793	529	1323@*
Uttar Pradesh	630	1247	16597	8628	25225@*
West Bengal	26	381	5354	4096	9451
Union Territory:					
A. & N. Islands (r)	4	1	17	28	45*
Chandigarh	(a)	(a)	2	1	3
D. & N. Haveli	1	1	23	7	30
Daman & Diu (r)	-	-	2	1	3*
Delhi(p)	7	10	29	24	53'
Lakshadweep (x)	-	-	3	-	3*
Pondicherry	2	3	22	15	36

Source: Directorate of Economics and Statistics, Ministry of Agriculture

(r) As per Agricultural census 1995-96 except total cropped area.

(n) Includes under the head "Land under miscellaneous tree crops and groves E65

(k) As per Forestry Statistics of India -2003

(u) Relates to the year 1988-89

(x) Relates to the year 1999-2000

(c) Relates to the year 2000-01

(a) Below 500 hectares

(b) Estimated on the basis of percentage irrigated area in 1995-96

@ Includes area prepared for sowing of sugarcane.

* Forecase data has been utilised in estimating Gross Cropped Area.

Note:- Figures for 2001-02 shown earlier have been revised in all the three parts of Land Use Statistics for 2001-02 & 2002-03.

2.The figures classified under different columns for different categories of land use viz, land put to different uses according to nine-fold classification, area under irrigation and area under crops do not always add up in sub-totals and as a whole to the area totals at state and all India levels due to rounding off the figures.

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Table 3.2-AREA UNDER PRINCIPAL CROPS

('000 hectare)

Year/State/ Union Territory	Foodgrains (cereals)								Total cereals (Cols. 2 to 9)	Foodgrains(pulses)	
	Rice	Jowar	Bajra	Maize	Ragi	Small millets	Wheat	Barley		Gram	Tur
1	2	3	4	5	6	7	8	9	10	11	12
1990-91	42687	14358	10477	5904	2171	2447	24167	962	103173	7521	3593
1995-96	42837	11326	9319	5979	1774	1662	25011	824	98732	7116	3447
1996-97	43433	11431	9980	6260	1784	1601	25887	757	101134	6847	3514
1997-98	43446	10801	9668	6321	1657	1529	26696	858	100976	7563	3359
1998-99	44802	9794	9297	6204	1758	1495	27523	793	101666	8469	3440
1999-00	45162	10251	8897	6422	1634	1411	27486	725	101988	6146	3427
2000-01	44712	9856	9829	6611	1759	1424	25731	778	100700	5185	3632
2001-02	44904	9795	9529	6582	1647	1311	26345	660	100771	6416	3328
2002-03	41176	9300	7740	6635	1415	1201	25196	702	93364	5906	3359
2003-04	42593	9331	10612	7343	1666	1191	26595	657	99988	7048	3516
2004-05	41907	9092	9233	7430	1553	1101	26383	617	97315	6715	3518
2004-05											
State:											
Andhra Pradesh	3086	500	94	657	69	48	9	-	4463	341	480
Arunachal Pradesh	122	-	-	38	-	22	4	-	186	-	1
Assam	2377	-	-	19	-	8	64	-	2468	2	7
Bihar	3123	4	1	614	16	3	2028	17	5805	72	36
Chhattisgarh	3747	7	-	97	10	237	97	4	4197	211	60
Goa	52	-	-	+	+	-	-	-	53	-	-
Gujarat	686	180	925	460	24	12	727	-	3014	123	254
Haryana	1028	96	569	16	-	-	2322	25	4056	107	31
Himachal Pradesh	81	-	+	324	3	12	362	24	806	3	+
Jammu & Kashmir	250	6	16	323	-	4	248	11	859	+	-
Jharkhand	1285	2	2	191	18	25	63	13	1599	-	90
Karnataka	1308	1662	444	850	893	58	242	-	5457	418	562
Kerala	290	1	-	-	1	-	-	-	291	-	-
Madhya Pradesh	1623	659	177	896	1	379	4136	83	7953	2747	328
Maharashtra	1519	4756	1529	428	147	84	756	4	9221	830	1074
Manipur	176	-	-	3	-	-	-	-	180	-	-
Meghalaya	112	-	-	17	-	3	1	-	132	1	1
Mizoram	55	-	-	8	-	-	-	-	62	-	+
Nagaland	153	3	3	46	-	7	8	4	224	1	6
Orissa	4472	10	3	65	78	25	4	-	4657	33	130
Punjab	2647	-	7	154	-	3	3482	22	6315	5	9
Rajasthan	101	573	4565	1042	-	17	2010	176	8484	1035	17
Sikkim	15	-	-	37	5	4	6	1	67	-	-
Tamil Nadu	1873	377	98	190	109	51	-	-	2697	7	40
Tripura	243	-	-	3	-	-	1	-	247	+	1
Uttar Pradesh	5339	247	798	876	1	24	9000	205	16490	739	387
Uttaranchal	306	-	-	30	167	72	394	24	993	3	1
West Bengal	5784	2	+	47	12	3	400	2	6250	38	2
Union Territory:											
A. & N. Islands	11	-	-	+	-	-	-	-	11	-	-
Chandigarh	-	-	-	-	-	-	-	-	-	-	-
D. & N. Haveli	14	1	-	-	2	+	1	-	16	+	2
Daman & Diu	2	-	-	-	-	-	-	-	2	-	-
Delhi	6	9	2	+	-	-	18	+	35	+	+
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-
Pondicherry	25	+	-	-	+	-	-	-	25	-	-

+ 500 hectares and less

3. AGRICULTURE

Table 3.2- AREA UNDER PRINCIPAL CROPS-Contd.

('000 hectare)

Year/State/ Union Territory	Foodgrains (pulses)-			Oilseeds						Cotton	Jute
	Other Pulses	Total Pulses	Total Food grains (Col.10+14)	Ground- nut	Sesa- mum	Rapeseed and mustard	Linseed	Castor seed	Total oilseeds (1)		
1990-91	13831	24662	127835	8309	2516	5782	1099	810	24148	7440	778
1995-96	12076	22283	121015	7524	1826	6546	843	789	25964	9035	737
1996-97	12087	22447	123581	7596	1992	6545	827	740	26338	9121	897
1997-98	11949	22871	123847	7088	1660	7041	794	641	26124	8868	906
1998-99	13152	23501	125167	7396	1609	6513	749	683	26229	9342	848
1999-00	11543	21116	123104	6867	1560	6027	593	782	24282	8710	847
2000-01	12531	20348	121048	6559	1720	4477	580	1080	22770	8535	828
2001-02	12265	22008	122780	6238	1671	5073	536	717	22636	9132	873
2002-03	11231	20496	113860	5936	1444	4544	450	583	21489	7670	865
2003-04	12894	23458	123447	5987	1700	5428	477	717	23663	7598	849
2004-05	12530	22763	120078	6640	1844	7316	449	743	27523	8787	774
2004-05											
State:											
Andhra Pradesh	983	1804	6267	1841	210	4	4	271	2918	1178	-
Arunachal Pradesh	7	7	193	-	1	21	-	-	26	-	-
Assam	99	108	2576	-	13	245	9	1	277	1	58
Bihar	550	658	6463	1	4	83	28	+	132	-	135
Chhattisgarh	661	932	5129	29	23	57	75	-	291	1	-
Goa	10	10	63	3	-	-	-	-	3	-	-
Gujarat	333	710	3724	2000	372	291	-	326	3016	1906	-
Haryana	46	184	4240	2	4	702	-	-	715	621	-
Himachal Pradesh	29	32	839	+	3	12	3	-	19	-	-
Jammu & Kashmir	31	31	889	-	7	103	1	-	110	-	-
Jharkhand	183	273	1872	-	9	-	16	-	29	-	+
Karnataka	1126	2106	7563	969	108	6	14	20	2674	521	-
Kerala	3	3	295	2	1	-	-	-	2	3	-
Madhya Pradesh	1445	4520	12473	210	135	682	133	2	5760	576	-
Maharashtra	1480	3384	12605	447	109	9	50	12	3359	2840	-
Manipur	8	8	187	-	1	1	-	-	2	+	-
Meghalaya	2	3	135	-	2	7	-	-	10	7	4
Mizoram	4	4	66	-	4	2	-	-	7	1	-
Nagaland	25	32	256	6	1	26	7	-	70	2	2
Orissa	480	643	5300	86	48	16	22	11	316	46	5
Punjab	26	40	6354	4	10	60	+	-	91	509	-
Rajasthan	2519	3571	12055	288	447	3682	3	92	5133	438	-
Sikkim	7	7	74	-	-	6	-	-	10	-	-
Tamil Nadu	552	599	3296	616	73	1	-	8	716	129	-
Tripura	8	9	255	1	2	3	-	-	5	1	1
Uttar Pradesh	1678	2804	19294	85	109	819	78	-	1106	5	-
Uttaranchal	41	45	1038	3	3	17	-	-	41	-	-
West Bengal	186	226	6476	47	148	457	5	-	678	2	569
Union Territory:											
A. & N. Islands	-	1	12	-	-	-	-	-	-	-	-
Chandigarh	-	-	-	-	-	-	-	-	-	-	-
D. & N. Haveli	4	6	23	-	-	-	-	-	+	-	-
Daman and Diu	1	1	3	-	-	-	-	-	-	-	-
Delhi	-	+	35	-	-	4	-	-	4	-	-
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-
Pondicherry	4	4	29	2	+	-	-	-	2	1	-

(1) Relates to the nine number of oilseeds viz., groundnut, sesamum, rapeseed and mustard, linseed, castor seed, nigerseed, safflower, sunflower and soyabeen.

3. AGRICULTURE

Table 3.2- AREA UNDER PRINCIPAL CROPS-Concl'd.

('000 hectare)

Year/State/ Union Territory	Mesta	Tea (2)	Coffee	Natural Rubber (Tapped area)	Banana	Sugar cane	Tobacco	Potato	Black Pepper	Chill- ies (dry)	Ginger (dry)	Coconut	Tur- meric
1990-91	239	416	271	306	365	3686	411	936	173	816	54	1475	119
1995-96	189	427	305	356	428	4147	394	1109	198	883	90	1833	139
1996-97	204	431	304	366	438	4174	428	1249	180	944	70	1891	135
1997-98	201	434	306	377	447	3930	455	1206	182	841	76	1861	140
1998-99	177	474	329	387	446	4054	508	1321	239	891	78	1755	161
1999-00	189	490	340	395	465	4220	433	1340	196	959	81	1768	160
2000-01	190	504	347	400	459	4316	285	1222	214	837	86	1824	192
2001-02	174	510	347	401	489	4412	349	1208	219	880	91	1932	167
2002-03	171	516	355	408	496	4520	327	1345	216	829	-	1919	154
2003-04	153	520	355	428	391	3938	370	1289	233	774	85	1934	150
2004-05	142	521	363	440	404	3662	367	1319	229	738	95	1935	159
2004-05													
State:													
Andhra Pradesh	53	-	25	-	40	210	133	4	-	237	2	104	61
Arunachal Pradesh	-	2	-	+	4.4	1	-	4	-	2	5	-	1
Assam	5	272	2	3	42	24	1	73	-	14	-	21	12
Bihar	16	2	-	-	16	104	16	139	-	3	+	-	3
Chhattisgarh	1	-	-	-	+	6	-	10	-	6	-	-	1
Goa	-	-	-	+	2	1	-	-	1	-	-	25	-
Gujarat	-	-	-	-	46	197	71	39	-	6	2	16	1
Haryana	-	-	-	-	-	130	-	16	-	1	-	-	1
Himachal Pradesh	-	2	-	-	-	3	-	13	-	1	2	-	+
Jammu & Kashmir	-	-	-	-	-	+	-	1	-	1	-	-	-
Jharkhand	1	-	-	-	-	4	-	-	-	-	-	-	-
Karnataka	2	2	209	12	33	178	91	52	13	70	9	385	5
Kerala	-	37	85	391	56	3	+	-	209	1	9	898	3
Madhya Pradesh	1	-	-	-	8	53	+	46	-	46	5	-	1
Maharashtra	24	-	-	+	51	324	6	16	-	90	1	18	7
Manipur	-	1	-	+	4	1	-	3	-	13	2	-	1
Meghalaya	4	+	2	4	6	+	1	18	1	2	9	-	1
Mizoram	-	+	3	+	3	1	1	1	-	1	5	-	+
Nagaland	-	2	4	+	1	3	-	14	-	1	10	1	1
Orissa	25	+	2	+	21	15	5	8	-	76	16	51	24
Punjab	-	-	-	-	-	86	-	65	-	3	-	-	-
Rajasthan	-	-	-	-	-	6	1	3	-	26	+	-	+
Sikkim	-	+	-	-	-	-	-	8	-	-	7	-	1
Tamil Nadu	-	76	31	14	62	232	5	5	4	67	1	357	22
Tripura	2	8	-	14	5	1	+	5	-	2	1	3	2
Uttar Pradesh	-	-	-	-	2	1955	22	440	-	17	1	-	1
Uttaranchal	-	1	-	-	-	107	-	17	-	-	1	-	-
West Bengal	9	114	-	+	-	16	15	318	-	52	9	24	12
Union Territory:													
A. & N. Islands	-	-	-	+	2	+	-	-	1	+	1	26	+
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-	-
D. & N. Haveli	-	-	-	-	-	-	-	-	-	-	-	-	-
Daman & Diu	-	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	-	-	-	-	-	-	-	+	-	-	-	-	-
Lakshadweep	-	-	-	-	+	-	-	-	-	-	-	3	-
Pondicherry	-	-	-	-	+	2	-	-	+	-	-	2	-

Source: Directorate of Economics and Statistics, Ministry of Agriculture

2. Tea Board, Ministry of Commerce

3. Coffee Board, Ministry of Industry

Note : Figures may not tally due to rounding of figure.

3.AGRICULTURE

Table 3.3-PRODUCTION OF PRINCIPAL CROPS

('000 tonne)

Year/State/ Union Territory	Foodgrains (cereals)								Total cereals (Cols. 2 to 9)	Foodgrains(pulses)	
	Rice	Jowar	Bajra	Maize	Ragi	Small millets	Wheat	Barley		Gram	Tur
1	2	3	4	5	6	7	8	9	10	11	12
1990-91	74291	11681	6894	8962	2340	1190	55135	1632	162125	5356	2417
1995-96	76975	9327	5381	9534	2501	779	62097	1510	168105	4979	2309
1996-97	81737	10934	7865	10769	2347	728	69350	1462	185192	5566	2656
1997-98	82535	7528	7644	10816	2087	645	66345	1679	179279	6132	1850
1998-99	86077	8415	6956	11148	2608	671	71288	1538	188700	6801	2708
1999-00	89683	8685	5782	11510	2290	618	76369	1447	196383	5118	2694
2000-01	84977	7529	6759	12043	2732	587	69681	1431	185739	3855	2247
2001-02	93340	7557	8284	13160	2375	577	72766	1425	199483	5473	2260
2002-03	71820	7012	4719	11152	1316	459	65761	1407	163646	4237	2186
2003-04	88526	6681	12109	14984	1966	564	72156	1298	198284	5718	2356
2004-05	83132	7244	7931	14172	2432	478	68637	1207	185233	5469	2347
2004-05											
State:											
Andhra Pradesh	9601	516	81	2064	87	23	5	-	12377	345	219
Arunachal Pradesh	135	-	-	55	-	21	8	-	220	@	@
Assam	3471	-	-	14	-	4	68	-	3557	1	5
Bihar	2472	4	1	1466	11	2	3263	18	7238	60	44
Chhattisgarh	4383	4	-	132	3	48	82	3	4655	114	31
Goa	145	-	-	1	@	-	-	-	146	-	-
Gujarat	1238	208	1085	413	26	4	1806	-	4778	99	236
Haryana	3023	26	749	40	-	-	9058	67	12963	91	32
Himachal Pradesh	122	-	@	736	3	7	684	42	1594	4	-
Jammu & Kashmir	492	4	10	492	-	2	474	10	1484	@	@
Jharkhand	1677	2	2	286	11	12	150	12	2152	-	49
Karnataka	3547	1435	267	2512	1733	30	179	-	9703	224	290
Kerala	667	@	-	-	1	0.0	-	-	668	-	-
Madhya Pradesh	1169	631	242	1253	@	101	7177	104	10676	2549	257
Maharashtra	2164	3624	1126	753	147	45	1016	2	8877	466	658
Manipur	436	-	-	9	-	-	-	-	445	-	-
Meghalaya	194	-	-	24	-	2	2	-	222	@	1
Mizoram	104	-	-	16	-	-	-	-	120	-	@
Nagaland	260	4	4	84	-	7	13	7	379	1	6
Orissa	6466	6	2	106	45	11	5	-	6640	20	89
Punjab	10437	-	7	422	-	1	14698	74	25639	4	7
Rajasthan	151	266	3002	1263	-	8	5707	418	10813	773	13
Sikkim	22	-	-	58	4	4	8	2	97	-	-
Tamil Nadu	5062	252	124	295	154	43	-	-	5930	4	25
Tripura	545	-	-	3	-	-	3	-	551	@	1
Uttar Pradesh	9556	252	1224	1494	1	9	22514	412	35461	672	380
Uttaranchal	572	-	-	44	190	91	803	33	1733	2	1
West Bengal	14885	1	@	140	15	3	842	4	15888	39	1
Union Territory:											
A. & N. Islands	29	-	-	@	-	-	-	-	29	-	-
Chandigarh	-	-	-	-	-	-	-	-	-	-	-
D. & N. Haveli	23	@	-	-	2	@	1	-	27	@	1
Daman & Diu	4	-	-	-	-	-	-	-	4	-	-
Delhi	14	11	6	@	-	-	71	@	101	@	@
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-
Pondicherry	66	@	@	-	@	-	-	-	66	-	-

@ 500 tonnes and less.

3. AGRICULTURE

Table 3.3-PRODUCTION OF PRINCIPAL CROPS-Contd.

('000 tonne)

Year/State/ Union Territory	Foodgrains(Pulses)		Total Food grains (Cols. 10+ 14)	Oilseeds						Cotton (000 Bales) (2)	Jute (000 Bales) (2)
	Other pulses	Total pulses		Ground- nuts(1)	Sesamum	Rapeseed and mustard	Linseed	Castor seed	Total Oilseeds (1)		
1	13	14	15	16	17	18	19	20	21	22	23
1990-91	6492	14265	176390	7515	835	5229	332	716	18609	9842	7917
1995-96	7733	12310	180415	7579	531	6000	292	777	22106	12861	7675
1996-97	8755	14244	199436	8643	640	6658	309	902	24385	14231	9961
1997-98	8686	12979	192259	7372	568	4703	237	829	21325	10851	9960
1998-99	9766	14907	203607	8982	527	5664	265	840	24748	12287	8837
1999-00	8602	13418	209802	5258	480	5788	241	765	20716	11530	9428
2000-01	6199	11076	196814	6408	518	4187	204	883	18437	9524	9317
2001-02	5635	13368	212851	7028	698	5083	209	653	20662	9997	10584
2002-03	4702	11125	174771	4121	441	3880	177	428	14838	8624	10274
2003-04	6786	14905	213189	8127	782	6291	197	797	25186	13729	10252
2004-05	5314	13130	198363	6774	674	7593	170	794	24354	16429	9399
2004-05											
State:											
Andhra Pradesh	455	1019	13396	1640	38	1	1	105	2209	2190	-
Arunachal Pradesh	7	7	227	-	1	22	-	-	27	-	-
Assam	55	61	3618	-	8	129	5	1	147	1	410
Bihar	363	467	7705	@	3	67	23	@	117	-	1056
Chhattisgarh	223	368	5023	32	7	21	17	-	124	1	-
Goa	9	9	156	5	-	-	-	-	5	-	-
Gujarat	144	479	5258	1887	117	405	-	563	2987	4725	-
Haryana	23	146	13109	1	2	826	-	-	841	2075	-
Himachal Pradesh	14	18	1612	-	1	8	2	-	12	@	-
Jammu & Kashmir	15	15	1499	-	3	121	@	-	124	-	-
Jharkhand	111	160	2311	-	2	-	4	-	7	-	1
Karnataka	278	792	10495	742	56	2	3	22	1570	688	-
Kerala	3	3	671	2	@	-	-	-	2	4	-
Madhya Pradesh	623	3429	14105	243	54	674	52	1	4797	626	-
Maharashtra	540	1664	10541	502	26	3	11	3	2744	2939	-
Manipur	3	3	448	-	@	@	-	-	1	-	-
Meghalaya	3	4	225	-	1	5	-	-	7	8	20
Mizoram	5	5	125	-	2	2	-	-	6	1	-
Nagaland	18	25	404	7	@	21	6	-	82	@	7
Orissa	141	250	6890	106	11	3	9	10	180	111	41
Punjab	21	32	25671	4	4	62	@	-	100	2087	-
Rajasthan	551	1337	12151	447	149	3971	2	86	5541	765	-
Sikkim	7	7	104	-	-	4	-	-	8	-	-
Tamil Nadu	217	246	6176	1005	34	@	-	3	1062	195	-
Tripura	5	6	556	1	1	2	-	-	4	2	11
Uttar Pradesh	1323	2375	37836	69	29	801	33	-	952	5	-
Uttaranchal	25	28	1761	3	1	11	-	-	38	-	-
West Bengal	127	167	16055	76	125	427	2	-	653	3	7853
Union Territory:											
A. & N. Islands	-	@	30	-	-	-	-	-	-	-	-
Chandigarh	-	-	-	-	-	-	-	-	-	-	-
D. & N. Haveli	4	5	33	-	-	-	-	-	@	-	-
Daman & Diu	1	1	5	-	-	-	-	-	-	-	-
Delhi	-	@	102	-	-	5	-	-	5	-	-
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-
Pondicherry	1	1	68	3	@	-	-	-	3	3	-

(1) Data relate to nuts in shell.

@ 500 tonnes/bales and less.

(2) Production of cotton is in bales of 170 kgs. each and Jute & Mesta in bales of 180 kgs. each.

3. AGRICULTURE

Table 3.3-PRODUCTION OF PRINCIPAL CROPS-Concl'd.

('000 tonnes)

Year/State/ Union Territory	Mesta (000 Bales) (2)	Tea (3)	Coffee	Natural Rubber	Bana- na	Sugar cane	Toba- cco	Potato	Black Pepper	Chill- ies (dry)	Ginger (dry)	Coco- nut (4)	Turm- eric
1	24	25	26	27	28	29	30	31	32	33	34	35	36
1990-91	1311	720	170	330	7153	241046	556	15206	48	719	154	973	342
1995-96	1132	756	223	472	10182	281100	535	18843	62	810	171	1295	463
1996-97	1169	780	205	507	10299	277560	618	24216	56	1066	233	1306	529
1997-98	1057	810	228	550	12642	279541	638	17648	57	870	252	1272	549
1998-99	974	874	265	605	12425	288722	736	23611	76	1043	263	12536	549
1999-00	1130	826	292	622	11123	299324	524	24713	59	1053	283	12129	669
2000-01	1239	847	301	630	12898	295956	488	22488	64	984	288	12678	714
2001-02	1094	854	301	631	13160	297208	546	23924	62	1069	318	12963	563
2002-03	1002	838	275	649	12647	287383	492	23269	64	897		12160	574
2003-04	921	878	271	712	11388	233862	550	23060	73	1235	302	12178	565
2004-05	873	893	276	750	11710	237088	549	23631	73	1186	359	12833	718
2004-05													
State:													
Andhra Pradesh	458	-	4	-	980	15739	196	27	-	749	5	1199	418
Arunachal Pradesh	-	2	-	@	14	14	-	28	-	3	33	-	2
Assam	25	436	-	3	581	884	@	589	-	9	-	154	8
Bihar	124	1	-	-	280	4112	19	1063	-	2	1	-	3
Chhattisgarh	2	-	-	-	8	16	-	54	-	3	-	-	1
Goa	-	-	-	@	20	61	-	-	@	-	-	124	-
Gujarat	-	-	-	-	1979	14570	114	1089	-	6	4	138	14
Haryana	-	-	-	-	-	8060	-	324	-	1	-	-	7
Himachal Pradesh	-	1	-	-	-	62	-	159	-	@	15	-	@
Jammu & Kashmir	-	-	-	-	-	1	-	14	-	1	-	-	-
Jharkhand	5	-	-	-	-	142	-	-	-	-	-	-	-
Karnataka	3	6	199	14	432	14276	62	361	3	95	12	1210	26
Kerala	-	62	55	691	425	283	@	-	68	1	31	5727	6
Madhya Pradesh	1	-	-	-	438	2148	@	753	-	40	5	-	1
Maharashtra	36	-	-	@	3625	20475	7	75	-	44	1	273	9
Manipur	-	@	-	@	53	22	-	16	-	8	2	-	@
Meghalaya	19	@	-	3	68	@	1	153	1	2	47	-	9
Mizoram	-	@	-	@	8	6	@	3	-	1	30	-	2
Nagaland	-	@	-	@	5	142	-	95	-	1	64	1	3
Orissa	105	@	-	@	270	860	3	79	-	63	31	275	57
Punjab	-	-	-	-	-	5170	-	1338	-	4	-	-	-
Rajasthan	-	-	-	-	-	277	1	48	-	31	@	-	@
Sikkim	-	@	-	-	-	-	-	33	-	-	35	-	2
Tamil Nadu	1	163	18	23	2376	23396	7	79	1	45	13	3244	119
Tripura	12	7	-	14	64	52	@	94	-	2	3	7	4
Uttar Pradesh	-	-	-	-	57	118716	119	9822	-	13	3	-	2
Uttaranchal	-	@	-	-	-	6441	-	261	-	-	6	-	-
West Bengal	82	215	-	-	-	1033	20	7077	-	61	19	311	25
Union Territory:													
A. & N. Islands	-	-	-	@	18	6	-	-	@	1	2	87	1
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-	-
D. & N. Haveli	-	-	-	-	-	-	-	-	-	-	-	-	-
Daman & Diu	-	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	-	-	-	-	-	-	-	@	-	-	-	-	-
Lakshadweep	-	-	-	-	@	-	-	-	-	-	-	53	-
Pondicherry	-	-	-	-	11	127	-	-	@	-	-	30	-

Source: 1. Directorate of Economics and Statistics, Ministry of Agriculture

2. Tea Board, Ministry of Commerce

3. Coffee Board, Ministry of Industry

4. Rubber Board, Ministry of Commerce

(3) Data relate to calendar year.

(4) In terms of crore nuts.

@ Production 500 tonnes and less.

3. AGRICULTURE

Table 3.4-AVERAGE YIELD OF PRINCIPAL CROPS

(quintals per hectare)

Year/State/ Union Territory	Foodgrains(cereals)									Foodgrains(pulses)	
	Rice	Jowar	Bajra	Maize	Ragi	Small millets	Wheat	Barley	Total cereals	Gram	Tur
	1	2	3	4	5	6	7	8	9	10	11
1990-91	17.4	8.1	6.6	15.2	10.8	4.9	22.8	17.0	15.7	7.1	6.7
1995-96	18.0	8.2	5.8	15.9	14.1	4.7	24.8	18.3	17.0	7.0	6.7
1996-97	18.8	10.1	7.9	17.2	13.2	4.5	26.8	19.3	18.3	8.1	7.6
1997-98	19.0	7.0	7.9	17.1	12.6	4.2	24.9	19.6	17.8	8.1	5.5
1998-99	19.2	8.6	7.5	18.0	14.8	4.5	25.9	19.4	18.6	8.0	7.9
1999-00	19.9	8.5	6.5	17.9	14.0	4.4	27.8	20.0	19.3	8.3	7.9
2000-01	19.0	7.6	6.9	18.2	15.5	4.1	27.1	18.4	18.4	7.4	6.2
2001-02	20.8	7.7	8.7	20.0	14.4	4.4	27.6	21.6	19.8	8.5	6.8
2002-03	17.4	7.5	6.1	16.8	9.3	3.8	26.1	20.1	17.5	7.2	6.5
2003-04	20.8	7.2	11.4	20.4	11.8	4.7	27.1	19.8	19.8	8.1	6.7
2004-05	19.8	8.0	8.6	19.1	15.7	4.3	26.0	19.6	19.0	8.2	6.7
2004-05											
State:											
Andhra Pradesh	31.1	10.3	8.6	31.4	12.6	4.8	5.6	-	27.7	10.1	4.6
Arunachal Pradesh	11.1	-	-	14.3	-	9.6	19.0	-	11.8	-	8.0
Assam	14.6	-	-	7.4	-	5.2	10.6	-	14.4	5.4	7.0
Bihar	7.9	10.0	14.0	23.9	6.7	6.7	16.1	10.6	12.5	8.3	12.2
Chhattisgarh	11.7	5.7	-	13.6	3.2	2.0	8.5	7.3	11.1	5.4	5.2
Goa	27.9	-	-	-	-	-	-	-	32.2	-	-
Gujarat	18.0	11.6	11.7	9.0	10.8	3.3	24.8	-	15.9	8.0	9.3
Haryana	29.4	2.7	13.2	25.0	-	-	39.0	26.8	32.0	8.5	10.3
Himachal Pradesh	15.0	-	-	22.7	13.3	5.8	18.9	17.5	19.8	13.3	-
Jammu & Kashmir	19.7	-	6.3	15.2	-	4.3	19.1	9.1	17.3	-	-
Jharkhand	13.1	10.0	10.0	15.0	6.1	4.8	23.8	9.2	13.5	-	5.4
Karnataka	27.1	8.6	6.0	29.6	19.4	5.2	7.4	-	17.8	5.4	5.2
Kerala	23.0	0.0	-	-	7.9	-	-	-	23.0	-	-
Madhya Pradesh	7.2	9.6	13.7	14.0	2.0	2.7	17.4	12.5	13.4	9.3	7.8
Maharashtra	14.2	7.6	7.4	17.6	10.0	5.4	13.4	5.0	9.6	5.6	6.1
Manipur	24.8	-	-	30.0	-	-	-	-	24.7	-	-
Meghalaya	17.3	-	-	14.2	-	8.1	16.7	-	16.8	-	7.5
Mizoram	18.9	-	-	20.0	-	-	-	-	19.4	-	6.7
Nagaland	17.0	13.3	13.3	18.3	-	10.0	16.0	17.5	16.9	10.0	10.0
Orissa	14.5	6.4	5.2	16.3	5.7	4.4	12.5	-	14.3	6.1	6.8
Punjab	39.4	-	10.0	27.4	-	3.7	42.2	33.6	40.6	8.0	7.8
Rajasthan	15.0	4.6	6.6	12.1	-	4.7	28.4	23.8	12.7	7.5	7.6
Sikkim	15.0	-	-	15.8	7.2	10.0	14.2	12.5	14.4	-	-
Tamil Nadu	27.0	6.7	12.7	15.5	14.1	8.4	-	-	22.0	6.7	6.3
Tripura	22.4	-	-	10.0	-	-	25.0	-	22.3	-	6.4
Uttar Pradesh	17.9	10.2	15.3	17.1	14.3	3.8	25.0	20.1	21.5	9.1	9.8
Uttaranchal	18.7	-	-	14.7	11.4	12.6	20.4	13.8	17.5	6.7	10.0
West Bengal	25.7	3.0	6.7	29.8	12.5	7.9	21.1	20.5	25.4	10.3	5.0
Union Territory:											
A. & N. Islands	27.4	-	-	-	-	-	-	-	29.7	-	-
Chandigarh	-	-	-	-	-	-	-	-	-	-	-
D. & N. Haveli	17.0	8.0	-	-	14.0	10.0	20.0	-	15.4	5.0	8.8
Daman & Diu	21.7	-	-	-	-	-	-	-	21.7	-	-
Delhi	23.3	12.2	26.1	-	-	-	39.4	5.0	26.3	-	10.0
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-
Pondicherry	26.4	-	15.0	-	20.0	-	-	-	26.4	-	-

3. AGRICULTURE

Table 3.4-AVERAGE YIELD OF PRINCIPAL CROPS-Contd.

(quintals per hectare)

Year/State	Foodgrains (pulses)-		Total Food grains	Oilseeds					Cotton	Jute	
	Other pulses	Total pulses		Groundnuts (nuts in shells)	Sesamum	Rapeseed & mustard	Linseed	Caster-seed			Total oilseeds
			1						13	14	
1990-91	4.7	5.8	13.8	9.0	3.3	9.0	3.0	8.8	7.7	2.2	18.3
1995-96	6.4	5.5	14.9	10.1	2.9	9.2	3.5	9.8	8.5	2.4	18.7
1996-97	7.5	6.3	16.1	11.4	3.2	10.2	3.7	12.2	9.3	2.7	20.0
1997-98	7.0	5.7	15.5	10.4	3.4	6.7	3.0	12.9	8.2	2.1	19.8
1998-99	7.4	6.3	16.3	12.1	3.3	8.7	3.5	12.3	9.4	2.2	18.8
1999-00	7.5	6.4	17.0	7.7	3.1	9.6	4.1	9.8	8.5	2.3	20.0
2000-01	4.9	5.4	16.3	11.4	3.0	9.4	3.5	8.2	8.1	1.9	20.3
2001-02	4.6	6.1	17.3	12.0	4.2	10.0	3.9	9.1	9.1	1.9	21.8
2002-03	4.2	5.4	15.3	12.5	3.1	8.5	3.9	7.3	6.9	1.9	21.4
2003-04	5.3	6.4	17.3	15.0	4.6	11.6	4.1	11.1	10.6	3.1	21.7
2004-05	4.2	5.8	16.5	10.2	3.7	10.4	3.8	10.7	8.9	3.2	21.9
2004-05											
State:											
Andhra Pradesh	4.6	5.6	21.4	8.9	1.8	1.4	3.3	3.9	7.6	3.2	-
Arunachal Pradesh	10.3	9.6	11.7	-	6.9	10.1	-	-	10.4	-	-
Assam	-	5.6	14.0	-	6.2	5.3	5.6	4.6	5.3	-	12.7
Bihar	6.6	7.1	11.9	4.0	7.3	8.1	8.2	10.0	8.9	-	14.1
Chhattisgarh	3.4	3.9	9.8	11.0	3.1	3.7	2.3	-	4.3	1.7	-
Goa	8.9	9.2	28.7	15.2	-	-	-	-	15.2	-	-
Gujarat	4.3	6.7	14.1	9.4	3.1	13.9	-	17.3	9.9	4.2	-
Haryana	5.0	7.9	30.9	7.1	5.4	11.8	-	-	11.8	5.7	-
Himachal Pradesh	4.8	5.6	19.2	10.0	3.3	6.7	6.7	-	6.3	-	-
Jammu & Kashmir	4.8	4.8	16.9	-	4.0	11.7	0.0	-	11.3	-	-
Jharkhand	6.1	5.9	12.3	-	2.2	-	2.5	-	2.4	-	27.0
Karnataka	2.5	3.8	13.9	7.7	5.2	3.3	2.1	11.0	5.9	2.2	-
Kerala	10.0	10.0	22.7	7.4	2.5	-	-	-	10.0	2.1	-
Madhya Pradesh	4.3	7.6	11.3	11.6	4.0	9.9	3.9	3.6	8.3	1.8	-
Maharashtra	3.6	4.9	8.4	11.2	2.4	3.3	2.2	2.5	8.2	1.8	-
Manipur	3.8	3.8	24.0	-	5.0	0.0	-	-	5.3	-	-
Meghalaya	20.0	13.3	16.7	-	5.0	6.4	-	-	7.1	1.8	9.0
Mizoram	12.5	12.5	18.9	-	5.0	9.1	-	-	8.6	7.4	-
Nagaland	7.2	7.8	15.8	11.7	0.0	8.1	9.0	-	11.7	0.0	6.3
Orissa	2.9	3.9	13.0	12.3	2.3	1.9	4.1	9.1	5.7	4.1	14.8
Punjab	8.1	8.0	40.4	9.1	3.6	10.3	10.0	-	11.0	7.0	-
Rajasthan	2.2	3.7	10.1	15.5	3.3	10.8	6.3	9.3	10.8	3.0	-
Sikkim	9.9	9.9	14.0	-	-	7.0	-	-	8.1	-	-
Tamil Nadu	3.9	4.1	18.7	16.3	4.7	1.7	-	3.8	14.8	2.6	-
Tripura	6.7	6.7	21.8	8.8	4.7	8.0	-	-	7.5	2.8	15.1
Uttar Pradesh	7.9	8.5	19.6	8.1	2.7	9.8	4.2	-	8.6	1.7	-
Uttaranchal	6.1	6.2	17.0	10.0	3.3	6.5	-	-	9.3	-	-
West Bengal	6.8	7.4	24.8	16.1	8.4	9.3	3.8	-	9.6	-	24.8
Union Territory:											
A. & N. Islands	-	5.7	28.2	-	-	-	-	-	-	-	-
Chandigarh	-	-	-	-	-	-	-	-	-	-	-
D. & N. Haveli	7.5	8.5	13.5	-	-	-	-	-	10.0	-	-
Daman & Diu	-	8.5	16.1	-	-	-	-	-	-	-	-
Delhi	-	6.7	26.2	-	-	11.9	-	-	12.5	-	-
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-
Pondicherry	-	2.5	24.1	15.0	10.0	-	-	-	15.0	8.9	-

3. AGRICULTURE

Table 3.4-AVERAGE YIELD OF PRINCIPAL CROPS-Concl.

(quintals per hectare)

Year/State	Mesta	Tea	Coffee (1)	Rubber	Banana	Sugar- cane	Tobacco	Pota- toes	Pepper (black)	Chill- ies (dry)	Ginger (dry)	Coconut (2)	Turm- eric
1	24	25	26	27	28	29	30	31	32	33	34	35	36
1990-91	9.9	17.3	7.6	10.8	196.0	653.9	13.5	162.5	2.8	8.8	28.4	6.6	28.8
1995-96	10.8	17.7	9.2	13.3	237.9	677.8	13.6	169.9	3.1	9.2	19.0	7.1	33.3
1996-97	10.3	18.1	8.2	13.9	235.1	665.0	14.4	193.9	3.1	11.3	33.3	6.9	39.2
1997-98	9.5	18.7	8.0	14.6	282.8	711.3	14.0	146.3	3.1	10.3	33.2	6.8	39.2
1998-99	9.9	18.4	8.8	15.6	278.6	712.2	14.5	178.7	3.2	11.7	33.7	71.4	34.1
1999-00	10.8	16.9	9.5	15.8	239.2	709.3	12.1	184.4	3.0	0.0	34.9	68.6	41.8
2000-01	11.8	16.8	9.6	15.8	281.0	685.8	17.1	184.0	3.0	11.8	33.4	69.5	37.2
2001-02	11.3	16.8	9.4	15.8	269.2	673.7	15.7	198.0	2.8	12.1	35.1	67.1	33.7
2002-03	10.6	16.3	8.4	15.9	255.2	635.8	15.1	173.0	3.0	10.8	-	63.4	37.2
2003-04	10.9	16.9	8.2	16.6	291.3	593.8	14.9	178.9	3.1	16.0	35.5	63.0	37.7
2004-05	11.1	17.1	8.9	17.1	289.9	647.5	15.0	179.2	3.2	16.1	37.8	66.3	45.2
2004-05													
State:													
Andhra Pradesh	15.6	-	1.5	@	245.0	749.5	14.7	67.5	-	31.6	21.7	115.3	68.5
Arunachal Pradesh	-	8.9	-	@	31.36	200.0	-	70.0	-	18.8	71.7	-	40.0
Assam	8.3	16.@	-	11.3	138.3	368.3	0.0	80.7	-	6.4	-	73.3	6.6
Bihar	14.0	6.7	-	-	175.0	395.4	11.9	-	-	5.9	-	-	10.3
Chhattisgarh	3.6	-	-	-	-	26.7	-	55.7	-	5.4	-	-	16.7
Goa	-	-	-	@	95.2	508.3	-	-	0.0	-	-	49.4	-
Gujarat	-	-	-	-	430.2	739.6	16.1	279.2	-	10.0	20.0	86.3	175.0
Haryana	-	-	-	-	-	620.0	-	202.5	-	10.0	-	-	70.0
Himachal Pradesh	-	3.1	-	-	-	206.7	-	122.3	-	0.0	-	-	-
Jammu & Kashmir	-	-	-	-	-	140.0	-	-	-	10.0	-	-	-
Jharkhand	9.0	-	-	-	-	355.0	-	-	-	-	-	-	-
Karnataka	2.7	27.4	9.6	12.5	130.9	802.0	6.8	-	2.3	13.6	13.3	31.4	52.0
Kerala	-	15.6	7.6	17.6	75.9	832.4	-	-	3.3	10.0	34.4	63.8	20.0
Madhya Pradesh	2.0	-	@	-	561.5	405.3	-	163.7	-	8.7	10.0	-	8.3
Maharashtra	2.7	-	-	@	710.8	631.9	11.7	46.9	-	4.9	10.0	151.7	12.9
Manipur	-	2.2	-	@	132.5	-	-	-	-	6.2	10.0	-	-
Meghalaya	8.6	3.@	-	8.2	113.3	20.0	7.1	85.0	-	11.1	52.8	-	90.0
Mizoram	-	1.@	-	@	26.7	42.9	-	-	-	9.0	60.0	-	-
Nagaland	-	1.1	-	@	50.0	473.3	-	-	-	12.5	64.0	11.1	50.0
Orissa	7.6	4.7	-	@	128.6	589.0	6.0	98.8	-	8.3	19.4	53.9	24.2
Punjab	-	-	-	-	-	601.2	-	205.8	-	13.3	-	-	-
Rajasthan	-	-	-	-	-	477.6	16.3	160.0	-	11.9	-	-	-
Sikkim	-	2.7	-	-	-	-	-	44.1	-	-	50.0	-	20.0
Tamil Nadu	63.0	18.9	6.0	15.8	383.2	1,008.4	14.0	-	2.5	6.7	260.0	90.9	54.1
Tripura	10.8	8.7	-	9.8	127.2	472.7	-	-	-	12.0	30.0	23.3	20.0
Uttar Pradesh	-	-	-	-	285.0	607.2	54.1	223.2	-	7.6	37.5	-	14.3
Uttaranchal	-	2.5	-	-	-	602.0	-	157.3	-	-	60.0	-	-
West Bengal	16.4	16.6	-	@	-	645.6	-	222.5	-	11.7	20.4	129.6	21.4
Union Territory:													
A. & N. Islands	-	-	-	@	-	96.7	-	-	-	-	-	-	-
Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-	-
D. & N. Haveli	-	-	-	-	-	-	-	-	-	-	-	-	-
Daman & Diu	-	-	-	-	-	-	-	-	-	-	-	-	-
Delhi	-	-	-	-	-	-	-	-	-	-	-	-	-
Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-	-
Pondicherry	-	-	-	-	-	864.2	-	-	-	-	-	230.4	-

Source: 1. Directorate of Economics and Statistics, Ministry of Agriculture
2. Tea Board, Ministry of Commerce
3. Coffee Board, Ministry of Industry
4. Rubber Board, Ministry of Commerce

(1) Average yield for the year 1990-91 and onwards has been calculated on total estimated bearing area.

(2) In terms of thousand nuts per hectare.

@ 500 tonnes or less

Table 3.5- INDEX NUMBER OF AGRICULTURAL PRODUCTION
(Base:Crop Years Triennium ending 1981-82=100)

Crop/Group	Weight	1990-91	2000 -01	2002 -03	2003-04	2004-05
1	2	3	4	5	6	7
All Crops	100.0	148.4	165.8	150.0	183.0	177.3
(Food grains + Non-Food grains)						
1 Total-Foodgrains	62.92	143.7	158.4	140.4	172.0	159.9
1.1 Total-Cereals	54.98	144.2	165.5	144.9	175.7	164.4
Rice	29.74	149.4	170.9	144.4	178.0	167.2
Wheat	14.45	156.6	198.0	186.8	205.0	195.0
Jowar	4.43	102.7	66.2	61.6	58.7	63.7
Bajra	1.87	139.6	136.8	95.5	245.1	160.6
Maize	2.41	137.6	184.9	171.2	230.0	217.6
Ragi	0.95	86.6	101.1	48.7	72.7	90.0
Barley	0.66	82.8	72.5	71.4	65.8	61.2
Small millets	0.47	76.9	37.9	29.7	36.4	30.9
1.2 Total Pulses	7.94	140.5	109.3	109.5	146.8	128.9
Gram	3.07	130.2	93.7	103.0	139.0	133.0
Tur	1.58	121.9	113.3	110.3	118.9	118.4
Other Pulses	3.29	159.1	121.9	115.2	167.4	130.2
2 Total non-food grains	37.08	156.3	178.2	166.2	201.5	206.8
2.1 Total-Oil Seeds	12.64	179.5	176.5	150.1	229.1	231.0
Groundnut	5.6	125.3	106.8	68.7	135.5	112.9
Sesamum	0.65	181.0	112.2	95.6	169.4	146.0
Rapeseed & Mustard	2.41	256.3	205.2	190.1	308.3	372.1
Linseed	0.45	84.7	51.9	45.1	50.2	43.3
Castorseed	0.19	289.7	357.1	172.9	322.3	320.9
Coconut	1.83	172.4	224.7	222.1	215.8	227.4
2.2 Total-Fibres	5.09	128.2	126.6	117.5	175.6	204.9
Cotton (lint)	4.37	130.9	126.6	114.7	182.5	218.4
Jute	0.55	122.6	144.2	159.0	158.7	145.5
Mesta	0.14	76.7	72.5	58.6	53.9	51.1
2.3 Total-Plantation Crops	2.29	144.9	209.0	206.4	217.2	226.2
Tea	1.46	132.3	151.3	149.6	156.6	159.2
Coffee	0.44	122.3	216.8	198.1	194.7	210.4
Rubber	0.39	217.6	416.1	428.6	469.8	494.8
2.4 Total-Condiments & Spices	2.59	143.9	203.3	202.2	254.7	252.5
Pepper (Black)	0.1	166.7	221.2	249.0	254.2	253.5
Chillies (Dry)	1.06	140.9	192.8	175.4	242.2	232.4
Ginger (Dry)	0.11	181.5	340.5	331.3	356.9	424.4
Turmeric	0.18	159.6	332.9	243.4	263.3	334.7
2.5 Total-Fruits & Vegetables	4.90	145.1	218.3	214.6	221.1	227.5
Potato	2.09	163.3	241.5	249.9	247.7	253.8
Banana	0.97	163.6	294.9	273.4	260.4	267.8
2.6 Miscellaneous	9.57					
Sugar cane	8.11	154.3	189.4	183.9	149.7	151.7
Tobacco	1.12	115.8	71.8	104.2	114.5	114.4

Source: Directorate of Economics and Statistics, Ministry of Agriculture

Production of Cotton Lint in terms of '000 bales of 170 kgs.each, Jute and Mesta '000bales of 180 kgs.each

3. AGRICULTURE

Table 3.6- AGRICULTURAL IMPLEMENTS AND MACHINERY

Year/State Union Territory	(000 Numbers)					
	Ploughs (Wooden & Iron)	Diesel engine pumpset	Electric pump used for irri- gation	Tractor used for agricul- ture	Sugarcane crushers	Animal carts
1	2	3	4	5	6	7
1992	395815	45774	64035	12218	5861	133860
1997	345351	70938	72987	18613	7900	119416
2003	299530	72374	84483	23612	6243	101013
2003						
State:						
Andhra Pradesh	20188	1421	13705	869	496	8482
Arunachal Pradesh	552	3	-	2	-	2
Assam	16395	6	1	15	53	497
Bihar	14037	6283	621	910	322	1702
Chhatisgarh	19072	429	940	225	51	4874
Goa	130	4	30	1	-	1
Gujarat	11121	4367	4683	1476	44	5354
Haryana	1214	2759	2724	1937	28	3314
Himachal Pradesh	3580	36	73	70	15	24
Jammu & Kashmir	6314	78	129	52	12	48
Jharkhand	20717	1660	214	63	132	3628
Karnataka	14531	1108	6961	612	229	7608
Kerala	160	295	3969	21	1	8
Madhya Pradesh	29669	4365	15424	2346	998	14882
Maharashtra	15093	1203	9667	1040	219	11437
Manipur	334	12	15	8	4	155
Meghalaya	42	-	1	-	-	2
Mizoram	24	-	-	-	3	1
Nagaland	72	5	6	3	2	5
Orissa	32732	743	361	164	168	5417
Punjab	288	2533	4688	2988	110	2995
Rajasthan	14809	8444	6566	3126	479	6029
Sikkim	100	-	-	-	-	-
Tamil Nadu	7552	2370	7892	498	80	1559
Tripura	1132	21	10	3	11	-
Uttar Pradesh	30647	28083	4874	6759	2669	13580
Uttaranchal	4557	435	107	193	8	259
West Bengal	34172	5683	742	184	108	9123
Union Territory:						
A. & N. Islands	94	7	10	-	1	1
Chandigarh	1	-	1	3	-	2
D. & N. Haveli	183	7	4	1	-	5
Daman & Diu	8	2	2	-	-	4
Delhi	2	9	42	35	-	7
Lakshadweep	-	-	-	-	-	-
Pondicherry	11	3	21	8	-	8

Source: Department of Animal Husbandry, Dairing and Fisheries
Ministry of Agriculture

Note: The figures for 2003 are provisional.