

7. IRRIGATION

Statistics of area irrigated by different sources and total area of crops irrigated are presented under this section.

Table 7.1(A) & (B)

This table presents data regarding total area irrigated by different sources which represent irrigated area. If two or more crops on a given piece of land are irrigated in the same year from same source, the area is counted only once.

Table 7.2(A) & (B)

This table provides data for total irrigated area under various crops which represents gross irrigated area and includes area irrigated under more than one crop during the same year. Area irrigated more than once in a harvest season is counted only once.

IRRIGATION

Table 7.1(A)- NET AREA UNDER IRRIGATION BY SOURCES

Year/State/ Union Territory	('000 hectare)						
	Canals			Tanks	Tube Wells and other Wells	Other sources	Total
	Government	Private					
1	2	3	4	5	6	7	
1990-91	16973	480	2944	24694	2932	48023	
1995-96	16561	559	3118	29697	3467	53402	
1996-97	16782	480	3343	30818	3626	55049	
1997-98	17110	502	2743	31585	3045	54985	
1998-99	17205	503	2939	33158	3272	57077	
1999-00	16881	194	2535	34259	2915	56783	
2000-01(P)	15973	199	2475	33454	2739	54839	
2001-02(P)	16134	206	2291	34511	2726	55868	
2002-03(P)	14669	202	1868	33834	2583	53156	
2002-03							
State:							
Andhra Pradesh	1209	-	426	1842	137	3614	
Arunachal Pradesh	-	-	-	-	42	42	
Assam	152	-	-	2	20	174	
Bihar	966	-	111	2251	134	3462	
Chhattisgarh	734	-	52	197	85	1068	
Goa	4	-	-	20	-	24	
Gujarat	380	-	14	2637	15	3046	
Haryana	1433	-	-	1522	11	2966	
Himachal Pradesh	4	-	-	12	108	124	
Jammu & Kashmir	136	139	3	2	20	300	
Jharkhand	17	-	27	75	45	164	
Karnataka	773	-	183	1185	310	2450	
Kerala	96	4	49	116	115	379	
Madhya Pradesh	746	2	94	2988	665	4494	
Maharashtra	1040	-	-	1931	-	2971	
Manipur	-	-	-	-	54	54	
Meghalaya	15	44	-	-	-	59	
Mizoram	5	10	-	-	-	16	
Nagaland	-	-	-	-	65	65	
Orissa	882	-	100	136	184	1300	
Punjab	967	-	-	3076	3	4046	
Rajasthan	960	-	8	3377	27	4372	
Sikkim	-	-	-	-	9	9	
Tamil Nadu	614	1	422	1263	11	2310	
Tripura	13	-	2	2	24	40	
Uttaranchal	103	-	-	202	42	347	
Uttar Pradesh	2711	-	66	9251	203	12232	
West Bengal	701	-	313	1716	250	2980	
Union Territory:							
A. & N. Islands	-	-	-	-	-	-	
Chandigarh	-	-	-	1	-	1	
D. & N. Haveli	2	-	-	2	3	7	
Daman and Diu	-	-	-	-	-	-	
Delhi	2	-	-	19	2	23	
Lakshadweep	-	-	-	-	1	1	
Pondicherry	6	-	-	12	-	19	

Source: Directorate of Economics and Statistics, Ministry of Agriculture

IRRIGATION

Table 7.1(B)- NET AREA UNDER IRRIGATION BY SOURCES

Year/State/ Union Territory	('000 hectare)						
	Canals			Tanks	Tube Wells and other Wells	Other sources	Total
	Government	Private					
1	2	3	4	5	6	7	
1990-91	16973	480	2944	24694	2932	48023	
1995-96	16561	559	3118	29697	3467	53402	
1996-97	16782	480	3343	30818	3626	55049	
1997-98	17110	502	2743	31585	3045	54985	
1998-99	17205	503	2939	33158	3272	57077	
1999-00	16881	194	2535	34259	2915	56783	
2000-01(P)	15973	199	2475	33454	2739	54839	
2001-02(P)	16134	206	2291	34511	2726	55868	
2002-03(P)	14669	202	1868	33834	2583	53156	
2003-04(P)	15016	202	1941	35201	2774	55134	
2003-04							
State:							
Andhra Pradesh	1137	-	490	1869	138	3634	
Arunachal Pradesh	-	-	-	-	42	42	
Assam	152	-	-	2	20	174	
Bihar	966	-	111	2251	134	3462	
Chhattisgarh	768	-	50	195	77	1090	
Goa	4	-	-	20	-	24	
Gujarat	380	-	14	2637	15	3046	
Haryana	1396	-	-	1562	12	2969	
Himachal Pradesh	4	-	-	12	108	124	
Jammu & Kashmir	142	140	4	1	19	307	
Jharkhand	17	-	27	75	45	164	
Karnataka	743	-	147	1165	328	2384	
Kerala	100	5	44	122	114	384	
Madhya Pradesh	947	2	127	3734	820	5631	
Maharashtra	1041	-	-	1902	-	2944	
Manipur	-	-	-	-	40	40	
Meghalaya	15	44	-	-	-	60	
Mizoram	6	10	-	-	-	16	
Nagaland	-	-	-	-	65	65	
Orissa	900	-	102	136	188	1326	
Punjab	967	-	-	3076	3	4046	
Rajasthan	1314	-	60	3810	55	5239	
Sikkim	-	-	-	-	9	9	
Tamil Nadu	449	1	385	1298	15	2148	
Tripura	13	-	2	2	24	40	
Uttaranchal	103	-	-	202	42	347	
Uttar Pradesh	2747	-	67	9371	206	12391	
West Bengal	701	-	313	1716	250	2980	
Union Territory:							
A. & N. Islands	-	-	-	-	-	-	
Chandigarh	-	-	-	1	-	1	
D. & N. Haveli	2	-	-	2	3	7	
Daman and Diu	-	-	-	-	-	0	
Delhi	2	-	-	21	1	5	
Lakshadweep	-	-	-	1	-	1	
Pondicherry	-	-	-	15	2	17	

Source: Directorate of Economics and Statistics, Ministry of Agriculture

IRRIGATION

Table 7.2(A)- GROSS AREA UNDER IRRIGATION BY CROPS

('000 hectare)

Year/State/ Union Territory	Rice	Jowar	Bajra	Maize	Ragi	Wheat	Barley	Other Cereals and Millets
1	2	3	4	5	6	7	8	9
1990-91	19469	794	548	1162	212	19511	530	32
1994-95	21391	784	568	1257	177	22035	559	33
1995-96	21468	780	595	1384	166	21539	505	58
1996-97	22191	771	542	1317	146	22373	467	63
1997-98	22116	793	585	1319	128	22922	502	121
1998-99	23405	791	656	1362	144	23686	480	111
1999-00(P)	24953	817	738	1468	135	24121	454	20
2000-01(P)	24711	791	780	1486	129	22671	531	17
2001-02(P)	24409	752	633	1354	133	23054	457	16
2002-03(P)	21703	735	735	1324	134	22159	454	15
2002-03								
State:								
Andhra Pradesh	2689	38	15	177	16	8	-	-
ArunachalPradesh **	43	-	-	-	-	-	-	-
Assam **	208	-	-	1	-	-	-	-
Bihar	1956	-	-	348	-	1917	4	2
Chhattisgarh	987	-	-	1	-	60	-	-
Goa	16	-	-	-	-	-	-	-
Gujarat **	329	9	196	32	-	403	13	3
Haryana	904	77	175	2	-	2247	28	-
Himachal Pradesh **	50	-	-	28	-	73	3	1
Jammu & Kashmir	220	-	-	27	9	67	-	2
Jharkhand **	79	-	-	2	-	55	1	-
Karnataka	729	114	29	255	63	98	-	-
Kerala	170	-	-	-	-	-	-	-
Madhya Pradesh	212	1	-	14	-	3151	37	-
Maharashtra **	434	460	80	61	-	449	-	-
Manipur	54	-	-	-	-	-	-	-
Meghalaya	53	-	-	-	-	-	-	-
Mizoram	16	-	-	-	-	-	-	-
Nagaland	65	-	-	-	-	8	-	-
Orissa	1264	-	-	13	23	14	-	-
Punjab **	2512	-	6	92	-	3306	25	5
Rajasthan	42	4	183	15	-	1795	184	-
Sikkim **	15	-	-	-	-	-	-	-
Tamil Nadu	1375	27	10	41	22	-	-	-
Tripura **	47	-	-	-	-	-	-	-
Uttaranchal **	174	-	-	1	-	191	1	-
Uttar Pradesh **	4054	2	39	211	-	8691	161	3
West Bengal **	2947	-	-	7	-	318	2	-
Union Territory:								
A. & N. Islands **	-	-	-	-	-	-	-	-
Chandhigarh **	-	-	-	-	-	-	-	-
D. & N. Haveli **	3	-	-	-	-	1	-	-
Daman and Diu **	-	-	-	-	-	-	-	-
Delhi	6	3	-	-	-	20	-	-
Lakshadweep **	-	-	-	-	-	-	-	-
Pondicherry	25	-	-	-	-	-	-	-

IRRIGATION

Table 7.2(A)- GROSS AREA UNDER IRRIGATION BY CROPS - Contd.

('000 hectare)

Year/State/ Union Territory	Total Cereals and Millets	Pulses	Total Food Grains	Sugar- cane	Condi- ments and Spices	Fruits/ Vegeta- bles incl Root crops	Other Food- Crops	Total Food- Crops
1	10	11	12	13	14	15	16	17
1990-91	42258	2608	44866	3398	1100	2575	195	52134
1992-93	44393	2462	46855	3469	1379	2842	199	54744
1993-94	45613	2648	48261	3322	1433	2913	206	56135
1994-95	46804	3090	49894	3641	1316	2956	228	58035
1995-96	46495	3048	49543	3901	1335	3036	247	58062
1996-97	47870	2953	50823	3911	1494	2999	267	59494
1997-98	48486	2690	51175	3835	1503	3153	281	59945
1998-99	50636	2960	53596	4097	1519	3339	311	62862
1999-00(P)	52707	2868	55575	4207	1563	3968	17	65330
2000-01(P)	51115	2605	53721	4279	1506	3914	16	63435
2001-02(P)	50809	3000	53808	4392	1950	4318	31	64498
2002-03(P)	47259	2904	50163	4427	1770	4232	26	60618
2002-03								
State:								
Andhra Pradesh	2943	33	2977	369	198	346	7	3896
Arunachal Pradesh **	43	-	43	-	-	-	-	43
Assam **	208	-	208	-	-	-	-	208
Bihar	4277	4	4232	27	4	233	10	4505
Chhattisgarh	1049	20	1069	8	6	50	-	1133
Goa	16	2	19	1	2	11	-	33
Gujarat **	984	69	1053	252	231	345	-	1881
Haryana	3434	72	3506	187	5	60	-	3758
Himachal Pradesh **	155	5	160	1	2	14	-	178
Jammu & Kashmir	326	4	330	-	1	24	-	355
Jharkhand **	137	4	142	3	1	69	-	215
Karnataka	1290	92	1382	383	188	222	-	2175
Kerala	182	-	182	4	39	36	-	260
Madhya Pradesh	2705	1208	3913	69	109	155	-	4246
Maharashtra **	1485	240	1725	643	286	861	-	3516
Manipur	54	-	54	-	-	-	-	54
Meghalaya	53	-	53	-	-	20	-	73
Mizoram	16	-	16	-	-	-	-	16
Nagaland	73	-	73	-	-	2	-	75
Orissa	1314	104	1418	25	41	172	-	1655
Punjab **	5945	37	5982	149	5	151	2	6290
Rajasthan	2222	390	2612	10	519	95	-	3236
Sikkim **	15	-	15	-	-	-	-	15
Tamil Nadu	1476	37	1513	261	50	230	-	2055
Tripura **	47	-	47	-	-	6	-	53
Uttaranchal **	367	3	370	117	2	18	-	505
Uttar Pradesh **	13160	565	13725	1905	53	806	7	16496
West Bengal **	3274	12	3286	8	29	304	-	3627
Union Territory:								
A. & N. Islands **	-	-	-	-	-	-	-	-
Chandigarh **	1	(a)	1	-	-	-	-	1
D. & N. Haveli **	3	-	3	2	-	2	-	7
Daman and Diu **	-	-	-	-	-	-	-	1
Delhi	29	(a)	29	-	-	1	-	30
Lakshadweep **	-	(a)	-	-	-	-	-	-
Pondicherry	24	(a)	25	2	-	1	-	28

IRRIGATION

Table 7.2(A)- GROSS AREA UNDER IRRIGATION BY CROPS - Concl.

(000hectare)

Year/State/ Union Territory	Oil Seeds	Cotton	Tobacco	Fodder Crops	Other Non- Food Crops	Total Non- Food Crops	Total irrigated Area
1	18	19	20	21	22	23	24
1990-91	5761	2487	190	1993	639	11070	63204
1994-95	6812	2727	185	2255	632	12611	70646
1995-96	7256	3196	189	2026	623	13290	71352
1996-97	7414	3279	199	2069	791	13752	73246
1997-98	6788	3284	194	2021	773	13060	73007
1998-99	6632	3348	205	2132	773	13092	75954
1999-00(P)	6486	2878	238	2291	1589	13483	78813
2000-01(P)	5400	2791	183	2389	1672	12435	75870
2001-02(P)	6074	3114	192	2434	1628	13442	77940
2002-03(P)	5521	2590	204	2420	1613	12348	72966
2002-03							
State:							
Andhra Pradesh	402	162	32	12	33	640	4536
ArunachalPradesh *	-	-	-	-	-	-	43
Assam **	1	-	-	-	5	7	215
Bihar	42	-	12	-	12	68	4572
Chhattisgarh	10	-	-	-	-	11	1144
Goa	6	-	-	-	-	6	39
Gujarat **	645	738	97	229	48	1756	3637
Haryana	495	511	-	423	11	1441	5199
Himachal Pradesh *	3	-	-	4	1	9	187
Jammu & Kashmir	47	-	-	32	-	79	434
Jharkhand **	2	-	-	-	1	3	217
Karnataka	524	47	2	12	81	666	2841
Kerala	154	-	-	-	16	169	429
Madhya Pradesh	171	172	-	34	8	385	4631
Maharashtra **	220	115	1	149	5	490	4005
Manipur	-	-	-	-	-	-	54
Meghalaya	3	-	-	-	-	3	76
Mizoram	1	-	-	-	-	1	17
Nagaland	6	-	-	-	-	6	81
Orissa	55	-	1	-	1	57	1712
Punjab **	90	448	-	635	78	1251	7540
Rajasthan	1263	366	1	276	131	2036	5272
Sikkim **	-	-	-	-	-	-	15
Tamil Nadu	465	26	8	22	47	568	2622
Tripura **	-	-	-	-	-	-	53
Uttaranchal	6	-	-	19	2	27	532
Uttar Pradesh **	608	5	20	571	143	1346	17842
West Bengal **	300	-	31	-	989	1320	4947
Union Territory:							
A. & N. Islands **	-	-	-	-	-	-	-
Chandhigarh	-	-	-	1	-	1	2
D. & N. Haveli	-	-	-	-	-	-	7
Daman and Diu **	-	-	-	-	-	-	-
Delhi	-	-	-	1	-	1	32
Lakshadweep **	-	-	-	-	-	-	1
Pondicherry	2	-	-	-	-	3	31

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

Notes:-

** The figures related to irrigated area are either estimated based on the data for the latest available year re from the State/UT or are estimated /taken from Agriculture Census.

P = Provisional

IRRIGATION

Table 7.2(B)- GROSS AREA UNDER IRRIGATION BY CROPS

('000 hectare)

Year/State/ Union Territory	Rice	Jowar	Bajra	Maize	Ragi	Wheat	Barley	Other Cereals and Millets
1	2	3	4	5	6	7	8	9
1990-91	19469	794	548	1162	212	19511	530	32
1994-95	21391	784	568	1257	177	22035	559	33
1995-96	21468	780	595	1384	166	21539	505	58
1996-97	22191	771	542	1317	146	22373	467	63
1997-98	22116	793	585	1319	128	22922	502	121
1998-99	23405	791	656	1362	144	23686	480	111
1999-00(P)	24953	817	738	1468	135	24121	454	20
2000-01(P)	24711	791	780	1486	129	22671	531	17
2001-02(P)	24409	752	633	1354	133	23054	457	16
2002-03(P)	21703	735	735	1324	134	22159	454	15
2003-04(P)	22428	699	671	1411	114	23498	472	16
2003-04								
State:								
Andhra Pradesh	2805	46	20	232	17	10	-	-
Arunachal Pradesh *	43	-	-	-	-	-	-	-
Assam **	208	-	-	-	-	-	-	-
Bihar	1977	-	-	352	-	1878	5	2
Chhattisgarh	990	-	-	3	-	68	-	-
Goa	17	-	-	-	-	-	-	-
Gujarat **	354	7	186	29	-	639	13	2
Haryana	1014	70	168	2	-	2292	25	-
Himachal Pradesh *	50	-	-	28	-	73	3	1
Jammu & Kashmir	233	-	-	23	5	69	5	2
Jharkhand **	79	-	-	3	-	65	1	-
Karnataka	676	122	30	216	53	96	-	-
Kerala	170	-	-	-	-	-	-	-
Madhya Pradesh	212	1	-	14	-	3151	37	-
Maharashtra **	436	425	69	61	-	393	-	-
Manipur	40	-	-	-	-	-	-	-
Meghalaya	55	-	-	-	-	-	-	-
Mizoram	16	-	-	-	-	-	-	-
Nagaland	68	-	-	-	-	10	-	-
Orissa	1769	-	-	19	19	19	-	-
Punjab **	2596	-	7	93	-	3373	25	3
Rajasthan	43	3	142	14	-	2077	173	-
Sikkim **	15	-	-	-	-	-	-	-
Tamil Nadu	1262	20	7	48	21	-	-	-
Tripura **	44	-	-	-	-	-	-	-
Uttaranchal **	189	-	-	1	-	201	1	-
Uttar Pradesh **	4085	2	41	264	-	8745	182	6
West Bengal **	2947	-	-	7	-	318	2	-
Union Territory:								
A. & N. Islands **	-	-	-	-	-	-	-	-
Chandigarh **	-	-	-	-	-	-	-	-
D. & N. Haveli **	3	-	-	-	-	1	-	-
Daman and Diu **	-	-	-	-	-	-	-	-
Delhi	7	3	-	-	-	19	-	-
Lakshadweep **	-	-	-	-	-	-	-	-
Pondicherry	25	-	-	-	-	-	-	-

TABLE NUMBER 7.1+7.2
IRRIGATED AREA

('000 HECTARE)

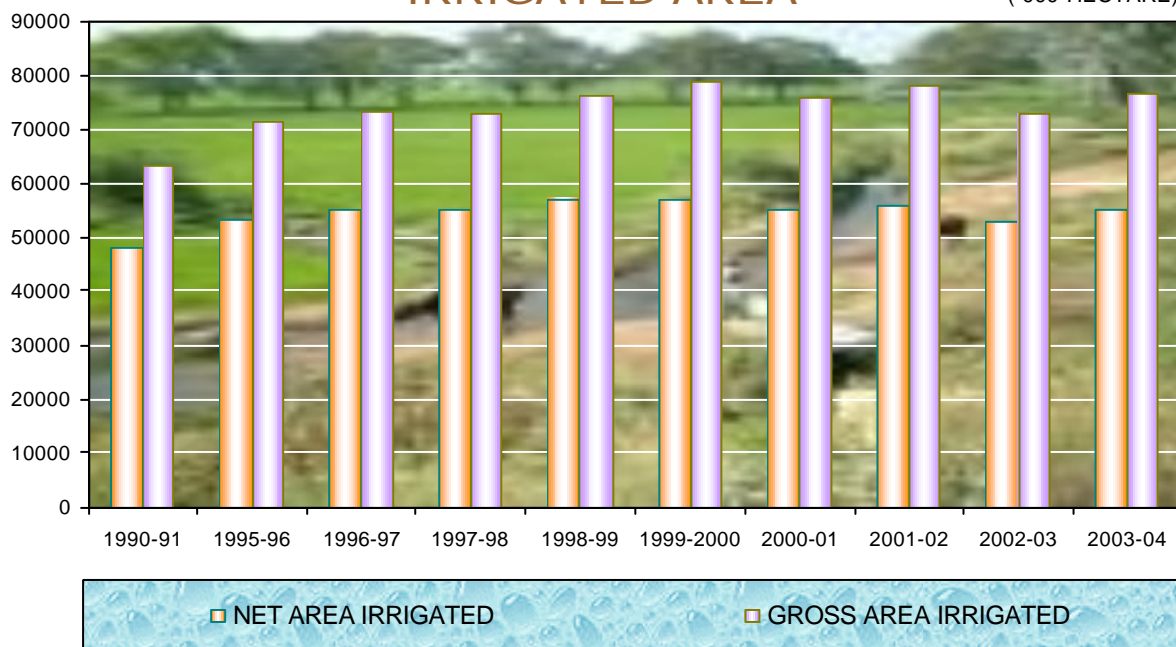


TABLE NUMBER 7.2(B)
GROSS IRRIGATED AREAS UNDER
FOODGRAIN CROPS

('000 HECTARE)

