

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE, COOPERATION AND FARMERS WELFARE

LOK SABHA
UNSTARRED QUESTION NO.2759
TO BE ANSWERED ON THE 10TH MAY, 2016

CULTIVATION OF WATER INTENSIVE CROPS

2759. SHRI KIRTI VARDHAN SINGH:
SHRI KALIKESH N. SINGH DEO:
DR. PRABHAS KUMAR SINGH:
SHRIMATI SUPRIYA SULE:
SHRI DINESH TRIVEDI:
SHRI MOHITE PATIL VIJAYSINH SHANKARRAO:

Will the Minister of AGRICULTURE AND FARMERS WELFARE कृषि एवं किसान कल्याण मंत्री be pleased to state:

- (a) the details of water intensive and water guzzling crops which are being produced in the country, State/UT-wise;
- (b) whether water level is depleting in various parts of the country due to cultivation of such crops and if so, the details thereof along with the percentage of water consumption in the agriculture sector in the country and ground water level during the last three years, State/UT-wise;
- (c) whether the Union Government has urged the several State Governments including Maharashtra to impose restriction on the cultivation of water intensive and water guzzling crops in vulnerable areas in order to overcome the drought situation in their respective States and if so, the details thereof and the response of the State Governments thereto;
- (d) the water-intensity of wheat, rice, jowar and bajra cultivation in India respectively; and
- (e) whether the Government proposes to provide incentives to farmers for shifting from cultivation of water intensive crops to less water-intensive crops and if so, the details thereof along with the possible changes in the production of various crops thereafter?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्रालय में राज्य मंत्री (SHRI MOHANBHAI KUNDARIYA)

(a): Indian Council of Agricultural Research (ICAR) has identified rice and sugarcane as major water guzzling/water intensive field crops as they require high amount of water for producing unit quantity of output/economic yield. State-wise area of water guzzling/water intensive crops (rice and sugarcane) for 2014-15 and 2015-16 (2nd Advance Estimate) is given in **Annexure-I**.

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(b): Ground water in the country is being used for various purposes including irrigation for cultivation of crops. The ground water is depleting in the country and agriculture is one of the major factor contributing to its depletion. Around 60% of irrigated agriculture and 85% of drinking water supply are dependent on ground water. Ground water resources in many parts of the country are being depleted because of unsustainable extraction levels that exceed natural recharge rates. Whether groundwater is depleting due to the water intensive crops is not an established fact due to the common pool nature of groundwater and the difficulty in observing it directly.

As per the latest assessment of the ground water resource (as in 2011) of the country, the Annual Replenishable Ground Water Resource of the country is 433 Billion Cubic Meter (BCM), the Net Annual Ground Water availability is 398 BCM. The annual ground water utilization for irrigation use for the entire country is 222 BCM constituting 55% of net annual ground water availability and about 91% of the total annual ground water draft of the country. The details of state-wise ground water resources availability and utilization is given at **Annexure-II**.

The details of ground water level during pre-monsoon (April/May) for the years 2013, 2014 & 2015 is given at **Annexure-III, IV & V**.

(c): No, Madam. There is no central or state law under which cultivation of water intensive and water guzzling crops can be restricted. However, steps are being taken to promote less water requiring crops like oilseeds, pulses, coarse cereals etc in drought prone areas. Besides, cultivation of drought tolerant cultivars, use of efficient irrigation devices and water conservation practices are also being promoted.

Central Water Commission, Government of India time to time advised states for judicious use of available water, proper planning for cropping pattern and chalk out strategy for avoiding water intensive crops to the extent required.

(d): The water requirement of wheat, rice, jowar and bajra is given as under:

Crop	Water requirement (mm)
Wheat	400-600
Rice	1200
Jowar	300-500
Bajra	300-500

(e): Less water requiring crops like pulses, oilseeds and coarse cereals are being promoted under various crop development programmes like National Food Security Mission (NFSM), National Mission on Oilseeds and Oil Palm (NMOOP), Bringing Green Revolution to Eastern India (BGREI), Crop Diversification in Original Green Revolution States, Rashtriya Krishi Vikas Yojana (RKVY), state plan etc. The average area and production of crops for 2010-11 to 2014-15 and for the year 2015-16 (2nd Advance Estimate) is given at **Annexure-VI**.

Annexure-I**State wise rice and sugarcane area during 2014-15& 2015-16 (2nd Advance****Estimate)**

S. No,	Name of States/UTs	RICE		SUGARCANE	
		2014-15	2015-16 (2 nd Advance Estimate)	2014-15	2015-16 (2 nd Advance Estimate)
		Area ('000 ha)	Area ('000 ha)	Area ('000 ha)	Area ('000 ha)
1.	Andhra Pradesh	2394.00	2059.0	139.00	122.0
2.	Assam	2495.29	2466.0	29.90	29.0
3.	Bihar	3263.37	3211.6	254.34	258.1
4.	Chhattisgarh	3808.50	3831.2	18.50	12.1
5.	Gujarat	786.00	755.0	208.00	184.0
6.	Haryana	1287.00	1359.0	97.00	95.0
7.	Himachal Pradesh	72.47	75.1	1.63	1.6
8.	Jammu & Kashmir	276.42	267.8	1.31	1.3
9.	Jharkhand	1502.18	1607.6	6.76	10.2
10.	Karnataka	1326.00	1180.0	480.00	430.0
11.	Kerala	198.16	246.7	1.52	1.2
12.	Madhya Pradesh	2153.00	2024.0	111.00	103.0
13.	Maharashtra	1551.00	1527.6	1030.00	987.0
14.	Orissa	4166.26	4122.0	10.05	8.3
15.	Punjab	2894.00	2932.0	94.00	95.0
16.	Rajasthan	167.75	182.9	5.57	6.1
17.	Tamilnadu	1794.99	1561.9	263.07	240.5
18.	Telengana	1415.00	1350.9	38.00	58.0
19.	Uttar Pradesh	5872.00	5867.0	2140.80	2169.0
20.	Uttarakhand	261.72	264.0	101.72	97.0
21.	West Bengal	5376.02	5540.0	17.73	20.0
22.	Others	1049.3	986.7	16.88	16.5
23.	All India	44110.48	43418.0	5066.77	4944.7

Source: Directorate of Economics & Statistics, Ministry of Agriculture & Farmers Welfare, Government of India.

STATE-WISE GROUND WATER RESOURCES AVAILABILITY, UTILIZATION AND STAGE OF DEVELOPMENT, INDIA (as in 2011)

(in bcm)

Sl. No.	States / Union Territories	Annual Replenishable Ground Water Resource	Natural Discharge during non-monsoon season	Net Annual Ground Water Availability	Annual Ground Water Draft			Stage of Ground Water Development (%)
					Irrigation	Domestic and industrial uses	Total	
1	2	7	8	9	10	11	12	15
	States							
1	Andhra Pradesh	20.79	1.91	18.88	6.27	0.74	7.01	37
2	Telangana	15.098	1.4138	13.6844	6.91	0.59	7.502	55
3	Arunachal Pradesh	4.51	0.45	4.06	0.002	0.001	0.003	0.08
4	Assam	28.52	2.73	25.79	2.86	0.64	3.49	14
5	Bihar	29.34	2.47	26.86	10.25	1.70	11.95	44
6	Chhattisgarh	12.42	0.79	11.63	3.43	0.62	4.05	35
7	Delhi	0.31	0.02	0.29	0.14	0.25	0.39	137
8	Goa	0.24	0.10	0.145	0.01	0.03	0.04	28
9	Gujarat	18.57	0.98	17.59	10.75	1.11	11.86	67
10	Haryana	10.78	0.99	9.79	12.35	0.71	13.05	133
11	Himachal Pradesh	0.56	0.03	0.53	0.25	0.13	0.38	71
12	Jammu & Kashmir	4.25	0.43	3.83	0.20	0.61	0.81	21
13	Jharkhand	6.31	0.55	5.76	1.31	0.55	1.86	32
14	Karnataka	17.03	2.22	14.81	8.59	0.82	9.41	64
15	Kerala	6.69	0.61	6.07	1.30	1.53	2.84	47
16	Madhya Pradesh	35.04	1.75	33.29	17.48	1.35	18.83	57
17	Maharashtra	33.95	1.80	32.15	16.15	1.03	17.18	53
18	Manipur	0.44	0.04	0.40	0.0033	0.0007	0.004	1.02
19	Meghalaya	1.78	0.18	1.60	0.0015	0.0002	0.0017	0.08
20	Mizoram	0.030	0.003	0.027	0.00	0.001	0.001	3.52
21	Nagaland	0.62	0.062	0.55	0.00	0.03	0.03	6.13
22	Odisha	17.78	1.09	16.69	3.81	0.92	4.73	28
23	Punjab	22.53	2.21	20.32	34.17	0.71	34.88	172
24	Rajasthan	11.94	1.11	10.83	13.13	1.71	14.84	137
25	Sikkim	-	-	0.044	0.003	0.009	0.011	26
26	Tamil Nadu	21.53	2.15	19.38	13.17	1.76	14.93	77
27	Tripura	2.587	0.229	2.358	0.093	0.069	0.163	7
28	Uttar Pradesh	77.19	5.53	71.66	48.74	4.04	52.78	74
29	Uttarakhand	2.04	0.04	2.00	1.10	0.03	1.13	57
30	West Bengal	29.25	2.67	26.58	9.72	0.97	10.69	40
	Total States	432.11	34.55	397.60	222.21	22.66	244.85	62
	Union Territories							
1	Andaman & Nicobar	0.308	0.022	0.286	0.001	0.012	0.013	4.44
2	Chandigarh	0.022	0.002	0.019	0.000	0.000	0.000	0
3	Dadara & Nagar Haveli	0.062	0.003	0.059	0.007	0.006	0.013	22
4	Daman & Diu	0.018	0.001	0.017	0.014	0.002	0.016	97
5	Lakshdweep	0.011	0.007	0.0035	0.000	0.0023	0.0023	67
6	Puducherry	0.189	0.019	0.170	0.124	0.029	0.153	90
	Total UTs	0.61	0.05	0.56	0.15	0.05	0.20	36
	Grand Total	432.72	34.60	398.16	222.36	22.71	245.05	62

Source: Central Ground Water Board, Ministry of Water Resources, River Development & Ganga Rejuvenation, Government of India

State-wise Depth to water Level and Distribution of Percentage of Wells for the Period of Premonsoon-2013

S. No.	Name of State	No. of wells Analysed	Depth to Water Level (mbgl)		Number of Wells Showing Depth to Water Level (mbgl) in Different Ranges											
			Min	Max	0-2		2-5		5-10		10-20		20-40		> 40	
					No	%	No	%	No	%	No	%	No	%	No	%
1	Andhra Pradesh	1084	0.69	43.40	59	5.44	352	32.47	427	39.39	208	19.19	35	3.23	3	0.28
2	Arunachal Pradesh	11	1.23	7.76	1	9.09	6	54.55	4	36.36	0	0.00	0	0.00	0	0.00
3	Assam	203	0.39	16.09	33	16.26	125	61.58	41	20.20	4	1.97	0	0.00	0	0.00
4	Bihar	185	0.44	10.74	7	3.78	101	54.59	75	40.54	2	1.08	0	0.00	0	0.00
5	Chandigarh	16	2.05	27.75	0	0.00	2	12.50	5	31.25	5	31.25	4	25.00	0	0.00
6	Chhattisgarh	666	0.46	36.30	15	2.25	135	20.27	384	57.66	116	17.42	16	2.40	0	0.00
7	Dadra & Nagar Haveli	5	1.30	10.65	2	40.00	1	20.00	1	20.00	1	20.00	0	0.00	0	0.00
8	Delhi	124	1.97	66.22	1	0.81	30	24.19	32	25.81	31	25.00	16	12.90	14	11.29
9	Goa	43	1.68	18.86	3	6.98	18	41.86	16	37.21	6	13.95	0	0.00	0	0.00
10	Gujarat	732	0.05	61.45	25	3.42	108	14.75	255	34.84	248	33.88	86	11.75	10	1.37
11	Haryana	317	1.15	72.20	12	3.79	59	18.61	88	27.76	95	29.97	57	17.98	6	1.89
12	Himachal Pradesh	68	0.60	27.84	5	7.35	24	35.29	20	29.41	17	25.00	2	2.94	0	0.00
13	Jammu & Kashmir	141	0.45	37.60	23	16.31	69	48.94	27	19.15	11	7.80	11	7.80	0	0.00
14	Jharkhand	177	0.50	18.73	2	1.13	23	12.99	118	66.67	34	19.21	0	0.00	0	0.00
15	Karnataka	1168	0.30	34.58	62	5.31	193	16.52	511	43.75	383	32.79	19	1.63	0	0.00
16	Kerala	849	0.30	56.20	63	7.42	253	29.80	378	44.52	148	17.43	6	0.71	1	0.12
17	Madhya Pradesh	1081	0.70	41.40	10	0.93	140	12.95	481	44.50	392	36.26	55	5.09	3	0.28
18	Maharastra	1004	0.03	55.50	45	4.48	165	16.43	500	49.80	263	26.20	30	2.99	1	0.10
19	Meghalaya	26	0.80	8.13	3	11.54	21	80.77	2	7.69	0	0.00	0	0.00	0	0.00
20	Manipur	1	4.20	4.20	0	0.00	1	100.00	0	0.00	0	0.00	0	0.00	0	0.00
21	Nagaland	12	3.73	21.08	0	0.00	5	41.67	5	41.67	1	8.33	1	8.33	0	0.00
22	Orissa	1035	0.45	17.40	65	6.28	417	40.29	504	48.70	49	4.73	0	0.00	0	0.00
23	Pondicherry	7	1.42	8.50	1	14.29	5	71.43	1	14.29	0	0.00	0	0.00	0	0.00
24	Punjab	227	0.53	40.01	10	4.41	32	14.10	56	24.67	76	33.48	52	22.91	1	0.44
25	Rajasthan	869	0.02	123.55	14	1.61	82	9.44	188	21.63	247	28.42	173	19.91	165	18.99
26	Tamil Nadu	464	0.86	35.69	18	3.88	119	25.65	191	41.16	124	26.72	12	2.59	0	0.00
27	Tripura	30	1.21	6.58	3	10.00	15	50.00	12	40.00	0	0.00	0	0.00	0	0.00
28	Uttar Pradesh	779	0.72	38.05	15	1.93	267	34.27	331	42.49	139	17.84	27	3.47	0	0.00
29	Uttaranchal	48	2.46	45.50	0	0.00	19	39.58	11	22.92	14	29.17	3	6.25	1	2.08
30	West Bengal	1120	0.33	31.43	29	2.59	295	26.34	461	41.16	286	25.54	49	4.38	0	0.00
Total		12492	0.02	123.55	526	4.21	3082	24.67	5125	41.03	2900	23.21	654	5.24	205	1.64

Source: Central Ground Water Board, Ministry of Water Resources, River Development & Ganga Rejuvenation, Government of India

**State-wise Depth to water Level and Distribution of Percentage of Wells for the Period of Premonsoon
2014**

S. No.	Name of State	No. of wells Analyzed	Depth to Water Level (mbgl)		Number & Percentage of Wells Showing Depth to Water Level (mbgl) in the Range of											
			Min	Max	0-2		2-5		5-10		10-20		20-40		> 40	
					No	%	No	%	No	%	No	%	No	%	No	%
1	Andaman & Nicobar	108	0.20	14.34	26	24	77	71	4	4	1	1	0	0	0	0.00
2	Andhra Pradesh	740	0.09	23.78	121	16.35	333	45.00	228	30.81	53	7.16	5	0.68	0	0.00
3	Arunachal Pradesh	13	1.48	11.09	1	7.69	8	61.54	2	15.38	2	15.38	0	0.00	0	0.00
4	Assam	164	0.00	16.44	24	14.63	102	62.20	35	21.34	3	1.83	0	0.00	0	0.00
5	Bihar	367	0.44	15.80	14	3.81	188	51.23	152	41.42	13	3.54	0	0.00	0	0.00
6	Chandigarh	16	2.80	44.41	0	0.00	4	25.00	3	18.75	4	25.00	4	25.00	1	6.25
7	Chhattisgarh	557	0.00	60.40	23	4.13	125	22.44	290	52.06	104	18.67	12	2.15	3	0.54
8	Dadra & Nagar Haveli	10	2.55	10.81	0	0.00	3	30.00	6	60.00	1	10.00	0	0.00	0	0.00
9	Daman & Diu	12	3.38	19.10	0	0.00	4	33.33	7	58.33	1	8.33	0	0.00	0	0.00
10	Delhi	116	1.19	74.41	4	3.45	28	24.14	32	27.59	26	22.41	14	12.07	12	10.34
11	Goa	77	0.80	18.72	7	9.09	28	36.36	30	38.96	12	15.58	0	0.00	0	0.00
12	Gujarat	779	0.55	61.20	21	2.70	166	21.31	271	34.79	225	28.88	84	10.78	12	1.54
13	Haryana	351	0.00	71.78	23	6.55	77	21.94	74	21.08	102	29.06	64	18.23	11	3.13
14	Himachal Pradesh	105	0.20	20.71	11	10.48	42	40.00	26	24.76	24	22.86	2	1.90	0	0.00
15	Jammu & Kashmir	248	0.00	34.27	60	24.19	119	47.98	43	17.34	15	6.05	11	4.44	0	0.00
16	Jharkhand	238	1.15	17.03	4	1.68	40	16.81	166	69.75	28	11.76	0	0.00	0	0.00
17	Karnataka	1384	0.05	31.50	120	8.67	352	25.43	545	39.38	351	25.36	16	1.16	0	0.00
18	Kerala	1105	0.17	53.00	103	9.32	323	29.23	475	42.99	188	17.01	15	1.36	1	0.09
19	Madhya Pradesh	1322	0.83	49.40	14	1.06	270	20.42	653	49.39	338	25.57	45	3.40	2	0.15
20	Maharashtra	1339	0.05	53.07	50	3.73	359	26.81	662	49.44	239	17.85	27	2.02	2	0.15
21	Meghalaya	20	1.16	7.78	2	10.00	13	65.00	5	25.00	0	0.00	0	0.00	0	0.00
22	Nagaland	7	3.70	17.30	0	0.00	2	28.57	4	57.14	1	14.29	0	0.00	0	0.00
23	Orissa	1324	0.37	14.16	106	8.01	596	45.02	596	45.02	26	1.96	0	0.00	0	0.00
24	Pondicherry	4	1.67	5.35	1	25.00	2	50.00	1	25.00	0	0.00	0	0.00	0	0.00
25	Punjab	568	0.03	40.60	25	4.40	81	14.26	134	23.59	204	35.92	122	21.48	2	0.35
26	Rajasthan	862	0.02	119.60	12	1.39	75	8.70	217	25.17	231	26.80	157	18.21	170	19.72
27	Tamil Nadu	641	0.25	68.60	35	5.46	136	21.22	250	39.00	162	25.27	46	7.18	12	1.87
28	Telangana	543	0.00	40.03	21	3.87	160	29.47	228	41.99	117	21.55	16	2.95	1	0.18
29	Tripura	18	1.15	7.76	2	11.11	7	38.89	9	50.00	0	0.00	0	0.00	0	0.00
30	Uttar Pradesh	928	0.13	38.50	21	2.26	361	38.90	352	37.93	163	17.56	31	3.34	0	0.00
31	Uttaranchal	37	2.25	46.05	0	0.00	13	35.14	13	35.14	7	18.92	3	8.11	1	2.70
32	West Bengal	954	0.02	26.90	40	4.19	272	28.51	395	41.40	208	21.80	39	4.09	0	0.00
	Total	14957	0.00	119.60	891	5.96	4366	29.19	5908	39.50	2849	19.05	713	4.77	230	1.54

Source: Central Ground Water Board, Ministry of Water Resources, River Development & Ganga Rejuvenation, Government of India

State-wise Depth to water Level and Distribution of Percentage of Wells for the Period of Premonsoon, 2015

S. No.	Name of State	No. of wells Analysed	Depth to Water Level (mbgl)		Number & Percentage of Wells Showing Depth to Water Level (mbgl) in the Range of											
			Min	Max	0-2		2-5		5-10		10-20		20-40		> 40	
					No	%	No	%	No	%	No	%	No	%	No	%
1	Andaman & Nicobar Island	86	0.05	11.1	41	47.67	39	45.35	5	5.81	1	1.16	0	0.00	0	0.00
2	Andhra Pradesh	787	0.02	49.30	105	13.34	323	41.04	260	33.04	93	11.82	4	0.51	2	0.25
3	Arunachal Pradesh	13	1.83	10.88	1	7.69	5	38.46	5	38.46	2	15.38	0	0.00	0	0.00
4	Assam	191	0.70	15.53	20	10.47	122	63.87	45	23.56	4	2.09	0	0.00	0	0.00
5	Bihar	580	1.00	15.80	9	1.55	291	50.17	259	44.66	21	3.62	0	0.00	0	0.00
6	Chandigarh	11	3.07	23.07	0	0.00	2	18.18	2	18.18	4	36.36	3	27.27	0	0.00
7	Chhattisgarh	567	0.00	49.40	25	4.41	148	26.10	288	50.79	98	17.28	7	1.23	1	0.18
8	Dadra & Nagar Haveli	12	3.10	14.25	0	0.00	2	16.67	6	50.00	4	33.33	0	0.00	0	0.00
9	Daman & Diu	7	4.13	10.15	0	0.00	2	28.57	4	57.14	1	14.29	0	0.00	0	0.00
10	Delhi	114	1.20	62.22	3	2.63	24	21.05	30	26.32	30	26.32	17	14.91	10	8.77
11	Goa	41	1.72	19.39	3	7.32	19	46.34	14	34.15	5	12.20	0	0.00	0	0.00
12	Gujarat	794	0.24	61.30	18	2.27	151	19.02	273	34.38	262	33.00	85	10.71	5	0.63
13	Haryana	325	0.28	80.33	20	6.15	62	19.08	82	25.23	97	29.85	53	16.31	11	3.38
14	Himachal Pradesh	87	0.34	29.25	12	13.79	37	42.53	13	14.94	20	22.99	5	5.75	0	0.00
15	Jammu & Kashmir	222	0.01	31.52	69	31.08	99	44.59	36	16.22	10	4.50	8	3.60	0	0.00
16	Jharkhand	151	1.20	13.80	1	0.66	23	15.23	104	68.87	23	15.23	0	0.00	0	0.00
17	Karnataka	1442	0.05	30.00	150	10.40	393	27.25	580	40.22	302	20.94	17	1.18	0	0.00
18	Kerala	1417	0.30	55.90	118	8.33	407	28.72	648	45.73	230	16.23	13	0.92	1	0.07
19	Madhya Pradesh	1362	1.05	49.57	20	1.47	200	14.68	629	46.18	438	32.16	61	4.48	14	1.03
20	Maharashtra	1534	0.30	58.12	46	3.00	290	18.90	762	49.67	402	26.21	31	2.02	3	0.20
21	Meghalaya	17	1.09	7.32	2	11.76	13	76.47	2	11.76	0	0.00	0	0.00	0	0.00
22	Nagaland	10	3.87	23.17	0	0.00	2	20.00	6	60.00	1	10.00	1	10.00	0	0.00
23	Orissa	1254	0.30	14.50	128	10.21	475	37.88	633	50.48	18	1.44	0	0.00	0	0.00
24	Pondicherry	4	2.37	5.78	0	0.00	3	75.00	1	25.00	0	0.00	0	0.00	0	0.00
25	Punjab	686	0.51	39.20	17	2.48	99	14.43	150	21.87	237	34.55	183	26.68	0	0.00
26	Rajasthan	827	0.08	113.20	27	3.26	95	11.49	189	22.85	210	25.39	147	17.78	159	19.23
27	Tamil Nadu	593	0.00	70.38	65	10.96	174	29.34	216	36.42	107	18.04	25	4.22	6	1.01
28	Telangana	563	0.33	46.10	13	2.31	87	15.45	235	41.74	198	35.17	28	4.97	2	0.36
29	Tripura	28	0.48	7.13	4	14.29	17	60.71	7	25.00	0	0.00	0	0.00	0	0.00
30	Uttar Pradesh	754	0.00	37.10	31	4.11	259	34.35	298	39.52	144	19.10	22	2.92	0	0.00
31	Uttaranchal	37	2.14	22.69	0	0.00	16	43.24	8	21.62	12	32.43	1	2.70	0	0.00
32	West Bengal	894	0.20	26.45	45	5.03	266	29.75	352	39.37	202	22.60	29	3.24	0	0.00
Total		15410			993	6.44	4145	26.90	6142	39.86	3176	20.61	740	4.80	214	1.39

Source: Central Ground Water Board, Ministry of Water Resources, River Development & Ganga Rejuvenation, Government of India

All India Normal Area and Production of major crops (average 2010-11 to 2014-15) and 2015-16 (2 nd Advance Estimate)					
S.No.	Crops	(Average of 2010-11 to 2014-15)		2015-16 (2nd Advance Estimates)	
		Normal Area ('000 Ha)	Normal Production ('000 Tones)	Area ('000 Ha)	Production ('000 Tones)
1	Rice	43573.8	103728	43418	103612.7
2	Wheat	30173.5	91527.8	29088.8	93818.7
3	Pulses	24578.2	18015.9	24893.6	17329.8
4	Coarse Cereals	25982.9	42322.4	23634.1	38395.8
5	Oilseeds	26732.6	30695.2	26136.5	26338.7
6	Sugarcane	4996.3	351818.5	4944.7	346385.3
7	Cotton*	12033.8	34625.4	11859.7	30692.4
8	Jute#	773	10557.4	685.4	9891.9
9	Mesta#	84.3	595.7	53.3	510.2

* Production in thousand bales of 170 kgs each

Production in thousand bales of 180 kgs each

Source: Directorate of Economics & Statistics, Ministry of Agriculture and Farmers Welfare, Government of India
