

F. No. 3-1/ 2014-15-CFCC-E&S
GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE
DEPARTMENT OF AGRICULTURE & COOPERATION
(CROP FORECAST COORDINATION CENTRE)

Room No. 344-A, Krishi Bhawan, New Delhi
Dated: 08.06.2015

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 05.06.2015.

Summary observations of the Group on Agenda Items

- *During the week 28th May to 03rd June, 2015, the mean maximum temperature were above normal by more than 4^o C over isolated pockets of West Madhya Pradesh, by 2 to 4^oC over many parts of Mizoram, some parts of Gujarat region, West Madhya Pradesh, Madhya Mararashtra, Marathwada, Telangana and North Interior Karnataka, isolated pockets of Haryana, West Uttar Pradesh, Jharkhand, Odisha, Coastal Andhra Pradesh, Rayalaseema, Konkan and Vidarbha. Mean maximum temperature were below normal by 2 to 6^oC over many parts of Arunachal Pradesh, some parts of Jammu & Kashmir, Punjab, Assam and isolated pockets of Nagaland and Coastal Andhra Pradesh. It was normal to near normal in remaining parts of the country.*
- *During the week 28th May to 03rd June, 2015, the mean minimum temperature were below normal by 2 to 4^oC over some parts of Jammu & Kashmir, Punjab, Bihar, Sub-Himalayan West Bengal, Odisha, Telangana, Saurashtra, Madhya Maharashtra and isolated pockets of Assam, Jharkhand and Coastal Andhra Pradesh. Mean minimum temperature were above normal by 2 to 4^oC over isolated pockets of Gangetic West Bengal, Marathwada, North Interior Karnataka and Telangana. It was normal to near normal in remaining parts of the country.*
- *In the pre-monsoon season, weekly Rainfall for the country as a whole during the week 28th May to 03rd June, 2015 was at the same level of Long Period Average (LPA). Rainfall (% departure from LPA) in the four broad geographical divisions of the country during the above period was lower by 45% in Central India, 25% in North West India and higher by 8% in East and North East India, 28% in South Peninsula*
- *In the pre-monsoon season, cumulative Rainfall for the country as a whole during the period 1st March to 31st May, 2015 was 38% higher than Long Period Average (LPA). Rainfall (% departure from LPA) in the four broad geographical divisions of the country during the above period was higher by 84% in Central India, 90% in North West India, 46% in South Peninsula and lower by 5% in East & North East India.*
- *Out of a total of 36 met sub-divisions, 34 met sub-divisions constituting 95% of the total area of the country has received excess/normal rainfall and 02 met sub-divisions constituting 05% of the total area of the country has received deficient rainfall.*

- *Central Water Commission monitors 91 major reservoirs in the country which have total live capacity of 157.80 BCM at Full Reservoir Level (FRL). Current live storage in these reservoirs as on 04th June, 2015 was 39.91 BCM as against 43.40 BCM on 04.06.2014 (last year) and 30.35 BCM of normal (average storage of the last 10 years) storage. Current year's storage is 92% of the last year's storage and 131% of the normal storage.*
- *All-India progressive procurement of Rice as on 05.06.2015 for the marketing season 2014-15 was 284.62 lakh tonnes against the procurement of 282.75 lakh tonnes upto the corresponding period of last year.*
- *All-India progressive procurement of Wheat as on 05.06.2015 for the marketing season 2015-16 was 271.69 lakh tonnes against the procurement of 266.47 lakh tonnes upto the corresponding period of last year.*

Pre-Monsoon Season (March – May) during the week ending on 03rd June, 2015

Sub-division-wise daily distribution of rainfall and minimum temperature are shown in Table-1

- **Rainfall during the week (28th May, 2015 to 03rd June, 2015)** Rainfall was excess/normal in 15 and deficient/scanty in 21 out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st March to 31st May, 2015)** Rainfall was excess/normal in 34 and deficient in 2 out of 36 meteorological sub-divisions.

Table-2: Weekly and Cumulative Rainfall in four regions of the country¹

Region	Week Ending (03.06.2015)				Cumulative (01.03.15 to 31.05.15)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	5.4	7.2	-25	D	211.5	111.6	90	E
Central India	5.0	9.1	-45	D	73.7	40.0	84	E
South Peninsular India	27.9	21.8	28	E	180.4	123.7	46	E
East & North-East India	62.0	57.6	8	N	352.7	372.3	-5	N
Country as a whole	18.7	18.8	0	N	181.5	131.5	38	E

E: Excess, N: Normal, D: Deficient, S: Scanty, NR: No Rain.

Source: India Meteorological Department, New Delhi

Table – 3: Category wise comparative distribution of Sub-division (cumulative rainfall) and All-India Percentage Rainfall Departure for the last five years since: 1st March

No. of Sub-Divisions with rainfall	For the period from 1 st March to					
	31 MAY 2010	31 MAY 2011	31 MAY 2012	31 MAY 2013	31 MAY 2014	31 MAY 2015
Excess	04	08	08	04	15	26
Normal	11	14	14	12	12	08
Total	15	22	22	16	27	34
Deficient	08	09	09	13	07	02
Scanty	12	05	05	07	02	00
No rain	01	00	00	00	00	00
Total	21	14	14	20	09	02
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 8%	(-) 13%	(-) 31%	(-) 22%	(-) 1%	38%

Source: IMD

1. North-west India - Uttar Pradesh, Rajasthan, Haryana, Chandigarh and Delhi, Punjab, Uttaranchal, Himachal Pradesh, and Jammu and Kashmir.
Central India - Madhya Pradesh, Chhattisgarh, Maharashtra and Gujarat

South Peninsula - Andhra Pradesh, Karnataka, Tamil Nadu & Pondicherry, Kerala and Lakshadweep.

North-east India - Bihar, Jharkhand, Orissa, West Bengal, Sikkim, Assam, Arunachal Pradesh, Meghalaya, Nagaland, Manipur, Mizoram, Tripura, and Andaman and Nicobar Islands.

Table-1

SUB-DIVISIONWISE DAILY DISTRIBUTION OF RAINFALL AND MAXIMUM & MINIMUM TEMPERATURES - 2015

S.N.	METEOROLOGICAL SUB-DIVISIONS	RAINFALL DISTRIBUTION							MAXIMUM TEMPERATURE							MINIMUM TEMPERATURE						
		28 MAY	29 MAY	30 MAY	31 MAY	01 JUN	02 JUN	03 JUN	28 MAY	29 MAY	30 MAY	31 MAY	01 JUN	02 JUN	03 JUN	28 MAY	29 MAY	30 MAY	31 MAY	01 JUN	02 JUN	03 JUN
1	A & N ISLANDS	SCT	WS	WS	FWS	FWS	FWS	ISOL	N	N	N	N	N	N	AN	N	N	N	N	N	N	N
2	ARUNACHAL PRADESH	WS	WS	SCT	FWS	WS	WS	SCT	BN	BN	N	BN	BN	N	N	N	N	N	N	N	N	N
3	ASSAM & MEGHALAYA	WS	WS	FWS	WS	WS	WS	FWS	BN	BN	N	BN	BN	N	N	ABN	N	N	N	N	N	N
4	N.M.M.&TRIPURA	FWS	SCT	FWS	FWS	ISOL	ISOL	SCT	N	AN	N	N	BN	N	N	N	N	N	N	N	N	N
5	S.H.W.B &SIKKIM	SCT	FWS	FWS	WS	FWS	FWS	SCT	N	N	N	BN	N	N	N	N	N	N	N	N	N	N
6	GANGETIC W. BENGAL	ISOL	DRY	ISOL	ISOL	ISOL	DRY	ISOL	N	N	N	N	N	N	N	N	N	N	N	N	N	N
7	ODISHA	ISOL	ISOL	ISOL	ISOL	SCT	ISOL	ISOL	AAN*	AAN*	AAN*	N	N	ABN	N	AAN	N	N	BN	N	N	
8	JHARKHAND	ISOL	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	AAN*	AAN*	AAN*	AAN*	AAN*	N	N	N	N	AN	N	N	N	N
9	BIHAR	ISOL	ISOL	ISOL	DRY	ISOL	ISOL	DRY	N	AN	N	N	AAN*	N	N	N	N	N	AN	N	N	N
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	ISOL	ISOL	DRY	AN	AAN*	AN*	AN	N	N	N	N	N	N	BN	N	N	N
11	WEST UTTAR PRADESH	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL	N	N	AN*	N	N	N	N	N	N	N	N	N	N	N
12	UTTARAKHAND	ISOL	DRY	ISOL	DRY	ISOL	ISOL	DRY	N	AAN	N	N	N	N	N	N	N	N	N	N	N	N
13	HAR.CHD. & DELHI	DRY	ISOL	DRY	DRY	ISOL	ISOL	ISOL	N	N	N	N	BN	N	MBN	N	N	N	AN	N	AN	AN
14	PUNJAB	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL	N	N	AAN	BN	N	ABN	MBN	N	N	AAN	N	BN	N	AN
15	HIMACHAL PRADESH	DRY	DRY	DRY	ISOL	ISOL	ISOL	SCT	AN	N	N	N	N	ABN	MBN	ABN	N	N	AN	N	AN	AN
16	JAMMU & KASHMIR	DRY	DRY	ISOL	ISOL	ISOL	WS	ISOL	N	N	N	N	ABN	MBN	MBN	N	N	N	AN	N	AN	AN
17	WEST RAJASTHAN	ISOL	ISOL	DRY	ISOL	ISOL	SCT	SCT	N	N	AN	AAN*	N	N	N	N	N	AN	N	N	BN	BN
18	EAST RAJASTHAN	ISOL	DRY	DRY	DRY	ISOL	ISOL	ISOL	AAN*	AAN	AN	AAN*	N	N	N	N	AAN	N	N	BN	BN	BN
19	WEST M.PRADESH	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL	AAN*	AAN	AAN*	AAN*	AN	N	N	N	N	AN	N	AN	N	N
20	EAST M.PRADESH	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL	AAN*	AAN*	AAN*	AAN*	N	N	N	N	N	N	N	N	N	N
21	GUJ.REG. D.D & N.H	DRY	DRY	DRY	DRY	DRY	DRY	ISOL	AN	N	AN	AN	AN	N	N	N	N	AAN	N	N	N	N
22	SAURASTRA K & DIU	DRY	DRY	DRY	DRY	DRY	DRY	DRY	AN	AAN	AN	N	N	N	N	N	N	N	N	N	N	N
23	KONKAN & GOA	DRY	DRY	ISOL	DRY	ISOL	ISOL	DRY	AN	N	N	N	AN	N	AN	N	N	N	N	N	N	N
24	M. MAHARASHTRA	DRY	ISOL	FWS	DRY	ISOL	DRY	DRY	AN	N	N	AN	N	N	AN	N	N	N	N	N	N	N
25	MARATHAWADA	DRY	ISOL	ISOL	DRY	ISOL	DRY	ISOL	N	AAN	N	AAN	N	N	N	N	N	N	N	AN	N	N
26	VIDARBHA	ISOL	ISOL	DRY	DRY	ISOL	DRY	ISOL	AAN*	AAN*	AAN*	AAN*	N	N	N	N	N	AN	N	AN	N	N
27	CHHATTISGARH	DRY	DRY	DRY	DRY	SCT	DRY	ISOL	AAN*	AAN*	AN*	AAN*	N	N	ABN	N	N	N	N	BN	N	N
28	COASTAL A.PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	N	N	AN*	N	BN	ABN	ABN	N	N	N	N	N	N	BN
29	TELANGANA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	AAN*	AAN*	N	AAN*	N	N	N	N	N	N	N	N	N	N
30	RAYALASEEMA	FWS	ISOL	SCT	ISOL	FWS	ISOL	SCT	N	AAN	N	N	BN	N	N	N	N	N	N	N	N	BN
31	TAMIL & PUDUCHERRY	SCT	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	MBN	N	N	N	N	N	N	N	N	N	N	N	N	N
32	COASTAL KARNATAKA	ISOL	ISOL	FWS	DRY	SCT	ISOL	SCT	N	N	N	N	N	N	N	N	N	N	N	N	N	N
33	N. I. KARNATAKA	SCT	ISOL	FWS	ISOL	FWS	ISOL	ISOL	N	N	N	AAN	BN	N	N	N	N	N	N	AN	N	N
34	S. I. KARNATAKA	FWS	ISOL	WS	ISOL	WS	ISOL	SCT	N	N	N	N	N	N	N	N	N	N	N	AN	N	N
35	KERALA	FWS	ISOL	SCT	ISOL	SCT	ISOL	ISOL	N	N	AN	AN	N	N	AN	N	N	N	N	N	N	N
36	LAKSHADWEEP	ISOL	WS	FWS	DRY	DRY	FWS	WS	N	N	N	N	N	N	N	N	N	N	N	N	N	N

LEGENDS FOR RAINFALL:	
WS	WIDESPREAD/MOST PLACES (60-100%)
FWS	FAIRLY WIDESPREAD / MANY PLACES (30-60%)
SCT	SCATTERED/FEW PLACES (10-30%)
ISOL	ISOLATED (0-10/25%)
DRY	NO STATION REPORTED RAINFALL
RAINFALL ACTIVITY: * ACTIVE (BT 1%: 4 mm or more or more & WS/FWS at least 2 stations or more or 5 cm. or more or more & 3 cm. or more or more) ** VIGOROUS (BT 10 mm or more or more & WS/FWS at least 2 stations or more or 5 cm. or more or more)	
LEGENDS FOR TEMPERATURE:	
BN	BELOW NORMAL (N-2)°C
AN	ABOVE NORMAL (N+2)°C
ABN	APRECIABLY BELOW NORMAL (N-3 to -4)°C
AAN	APRECIABLY ABOVE NORMAL (N+3 to +4)°C
MBN	MARKEDLY BELOW NORMAL (N-5°C and BELOW)
MAN	MARKEDLY ABOVE NORMAL (N+5°C and ABOVE)
* Heat wave conditions (Max. temp. 40°C for places 32°C for hills & urban Normal Max. Temp. 34°C up to 56°C; > 40°C up to 5°C)	
** Severe Heat wave conditions (urban Normal Max. Temp. 34°C up to 7°C or more; > 40°C up to 6°C or more)	

Reservoir Status (For the week ending on 04.06.2015)

- **The Central Water Commission** monitors the live storage of **91** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **157.80** billion cubic meters (BCM), which is about 74% of total reservoir capacity in the country.
- Water stock in 91 major reservoirs **decreased** to 39.91 BCM from the previous week's level of 41.84 BCM. Current storage is **lower** than the last year's position of 43.40 BCM and more than the average of last 10 year's storage of 30.35 BCM.

Table – 4: For 85 major reservoirs of the country

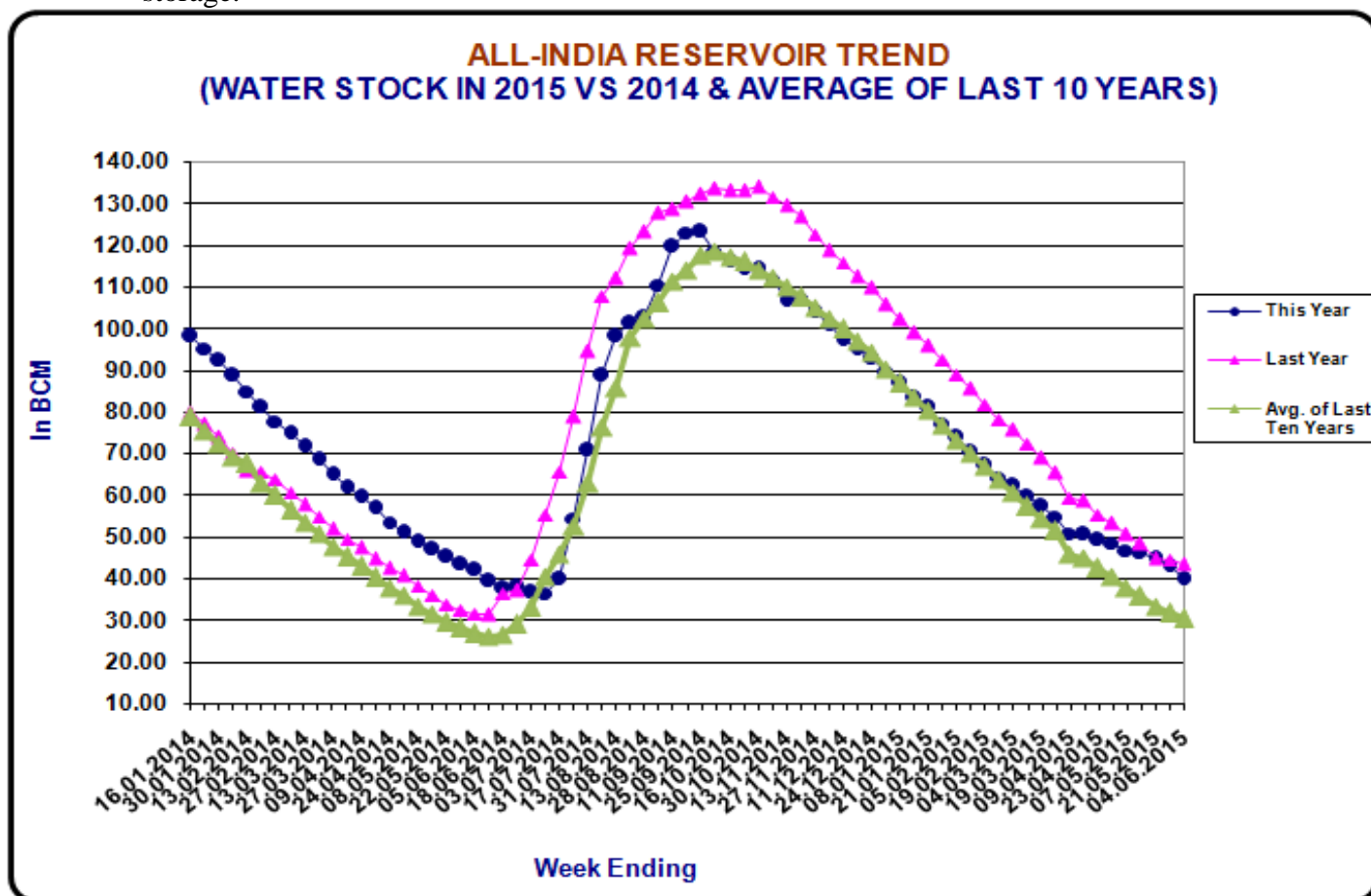
Period	Current Year's Storage as % of FRL*	Current Year's storage as % of last year	Current year as a % of 10 years average level
Current Week	25	92	131
Last Week	33	86	110

The percentage to live capacity at FRL was 28% on 04/06/2014, 20% on 04/06/2013, 20% on 31/05/2012 and 24% on 02/06/2011.

* Live storage as % to Full Reservoir Level (FRL) of 157.80 Billion Cub. Mts.(BCM)

Source: CWC

- There were 69 reservoirs having storage more than 80%, 13 reservoirs having storage between 50% to 80% of Normal Storage, 04 reservoir having storage between 30% to 50% of Normal Storage and 05 reservoir having storage 30% or below of Normal Storage and 02 reservoir having no live storage.



Source: Central Water Commission

* The State wise details (reservoir position) are given in the Annex. III

Fertilizer Position:

Table – 5: Requirement, Availability, Sales and Stock position of Major Fertilizers Urea, DAP, MOP, Complex and SSP during Rabi 2014-15 (As on 31.05.2015)

(in '000 Tonne)

<i>Availability / Sale / Closing Stock</i>	<i>Urea</i>	<i>DAP</i>	<i>MOP</i>	<i>Complex</i>	<i>SSP</i>
<i>Opening Stock as on 01.04.2015</i>	<i>130</i>	<i>224</i>	<i>289</i>	<i>407</i>	<i>256</i>
<i>Requirement for Kharif, 2015</i>	<i>15415</i>	<i>5093</i>	<i>1831</i>	<i>5273</i>	<i>3311</i>
<i>Requirement upto May, 2015</i>	<i>2355</i>	<i>828</i>	<i>254</i>	<i>793</i>	<i>595</i>
<i>Availability upto 31.05.2015</i>	<i>4995</i>	<i>1530</i>	<i>536</i>	<i>1501</i>	<i>767</i>
<i>Sales upto 31.05.2015</i>	<i>4473</i>	<i>1038</i>	<i>211</i>	<i>658</i>	<i>361</i>
<i>Closing Stock as on 31.05.2015</i>	<i>521</i>	<i>492</i>	<i>325</i>	<i>844</i>	<i>407</i>

Source: Fertilizer Division (DAC) / Deptt. of Fertilizer

Pest & Diseases:

- The incidence of pest & diseases generally remained below Economic Threshold Level for most of the crops.
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

All India Crop Situation - Rabi (2014-15)

Crop Name	Normal Area	Area sown reported (In lakh hectares)			
		3rd Adv. Est. (2014-15)	% of Normal	Final Est. (2013-14)	Difference
Wheat	290.44	303.72	104.6	304.73	-1.0
Rice	43.44	40.28	92.7	46.87	-6.6
Jowar	41.82	33.15	79.3	35.16	-2.0
Maize	13.20	15.18	115.0	17.57	-2.4
Barley	6.75	6.72	99.5	6.74	0.0
Total Coarse Cereals	61.77	55.04	89.1	59.46	-4.4
Total Cereals	395.65	399.04	100.9	411.06	-12.0
Gram	84.14	83.89	99.7	99.27	-15.4
Urad	8.30	8.58	103.4	7.16	1.4
Moong	7.06	8.60	121.8	10.45	-1.9
Total Pulses	132.08	133.42	101.0	148.84	-15.4
Total Foodgrains	527.73	532.46	100.9	559.90	-27.4
Rapeseed & Mustard	62.09	59.99	96.6	66.46	-6.5
Groundnut	8.71	8.08	92.7	8.60	-0.5
Safflower	2.57	1.42	55.1	1.78	-0.4
Sunflower	7.27	3.38	46.5	4.23	-0.9
Linseed	3.46	2.90	84.0	2.93	0.0
Total Oilseeds (Nine)	86.56	75.76	87.5	84.00	-8.2
All- Crops	614.28	608.22	99.0	643.90	-35.7

Procurement:

Table – 6: Progressive procurement of Rice as on 05.06.2015 (lakh tonnes)

State	Total procurement in marketing season 2013-14 (Oct. – Sept.)	Progressive Procurement as on 05.06.2015	
		In Marketing season 2014-2015	In Marketing season 2013-2014
Andhra Pradesh	37.38	33.43	64.20
Telangana	44.00	30.09	0.00
Chhattisgarh	43.0	33.55	42.85
Haryana	24.06	20.09	24.05
Kerala	4.00	3.74	3.54
Madhya Pradesh	10.14	8.07	10.40
Maharashtra	2.00	1.50	1.42
Odisha	28.22	26.63	22.04
Punjab	81.06	77.82	81.06
Tamil Nadu	7.00	0.06	0.59
Uttar Pradesh	11.27	16.53	11.22
Uttarakhand	4.63	4.65	4.15
West Bengal	13.59	14.21	8.83
All-India	319.00	284.62	282.75

Table – 7: Progressive procurement of Wheat as on 05.06.2015 (lakh tonnes)

State	Total procurement in marketing season 2014-15 (April to March.)	Progressive Procurement as on 05.06.2015	
		In Marketing season 2015-2016	In Marketing season 2014-2015
Punjab	116.41	99.52	107.72
Haryana	64.95	67.56	64.14
Uttar Pradesh	6.28	18.65	4.04
Madhya Pradesh	70.94	72.61	70.94
Rajasthan	21.59	12.49	19.57
All-India	280.23	271.69	266.47