



**CROP WEATHER  
WATCH GROUP  
(CWWG) MEETING  
HELD ON 29.07.2022**

**DIRECTORATE OF ECONOMICS & STATISTICS  
DEPARTMENT OF AGRICULTURE & FARMERS  
WELFARE**

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# SUMMARY POINTS OF THE CWWG MEETING

- During the week (21 - 27 July) higher monsoon rainfall was observed, as compared to Long Period Average (LPA) by 7%. Cumulative seasonal rainfall (01 June to 27 July) is higher than LPA by 10%.
- For the week (28 July - 03 August), Isolated heavy falls and thunderstorm/lightning likely over Jammu & Kashmir, West Uttar Pradesh, Himachal Pradesh, Punjab, Haryana, Chandigarh Uttarakhand, East Uttar Pradesh, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya.
- The total live water storage in 143 reservoirs across the country is 101.47 Billion Cubic Meter (57%) of the storage capacity at full reservoirs level. The current year's storage is nearly 119 percent of the last year's storage.
- There was sufficient availability of certified/quality seeds of all major Kharif crops for Kharif-2022.
- Availability of fertilizer has also been comfortable.
- Overall intensity of pests and diseases remained below Economic Threshold Level except White fly ( Bemisiatabaci ) on cotton , Brinjal and chilli in Haryana and White fly on cotton in Punjab, Jassids (Amrascabiguttulabiguttula)andThrips (Thripstabaci) on Cotton in Haryana andFall Army worm (Spodopterafrugiperda) on Maize in Rajasthan, Uttar Pradesh and Karnataka , Stem borer (Chilopartellus) on Maize in Uttar Pradesh.
- During the current Kharif season 2022 (as on 29.07.2022), 823.40 lakh ha. area has been sown which has shown decrease as compared to last year, which was 841.66 lakh ha. Area sown under Rice was 231.59 lakh ha. as compared to 267.05 lakh ha. of the corresponding period of last year. Decrease is due to late arrival of monsoon in some states. However, the area coverage is expected to pick up. Area coverage under Pulses has been reported 106.18 lakh ha. against 103.23 lakh ha. during the corresponding period of last year. Area coverage under Coarse Cereals has been reported 142.21 lakh ha. against 135.30 lakh ha. during the corresponding period of last year. Area coverage under Oilseeds has been reported 164.34 lakh ha. against 163.03 lakh ha. during the corresponding period of last year.
- Kharif Tomato, Onion and Potato area sown has been reported 0.81 lakh ha., 0.50 lakh ha. and 0.37 lakh ha. as compared to 0.79 lakh ha., 0.47 lakh ha. and 0.37 lakh ha respectively as compared to last year.
- Overall major foodgrains prices have remained stable during the last week.
- Price of potato has shown marginally increase, onion remained stable while tomato has shown decrease during the last week.

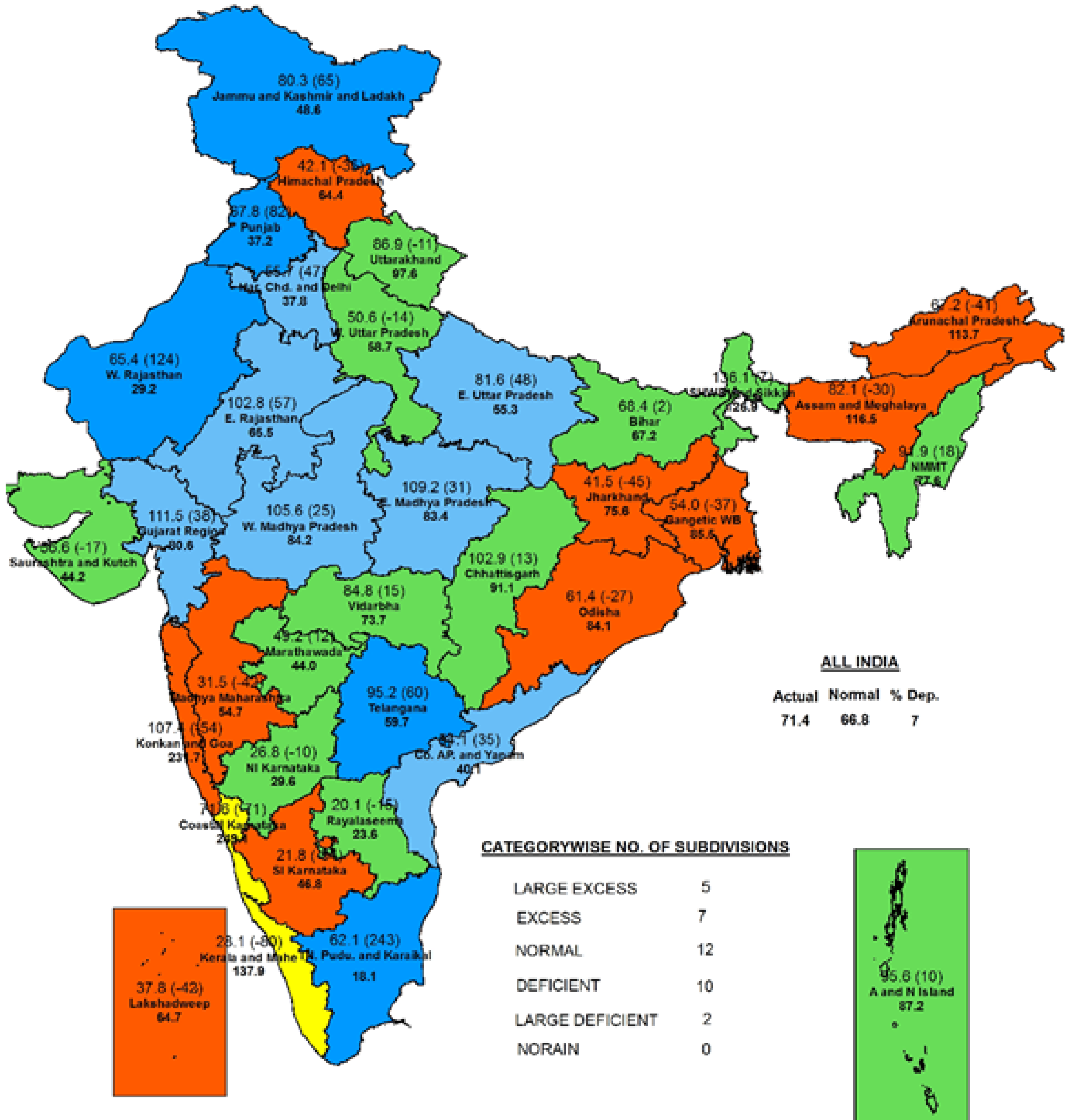


# DETAILS OF EACH SECTOR ARE GIVEN HERE UNDER:

## I.WEATHER OUTLOOK 1ST JUNE TO 27TH JULY 2022:

### SUBDIVISION RAINFALL MAP

Week : 21-07-2022 To 27-07-2022



**ALL INDIA**

Actual	Normal	% Dep.
71.4	66.8	7

**CATEGORYWISE NO. OF SUBDIVISIONS**

LARGE EXCESS	5
EXCESS	7
NORMAL	12
DEFICIENT	10
LARGE DEFICIENT	2
NORAIN	0

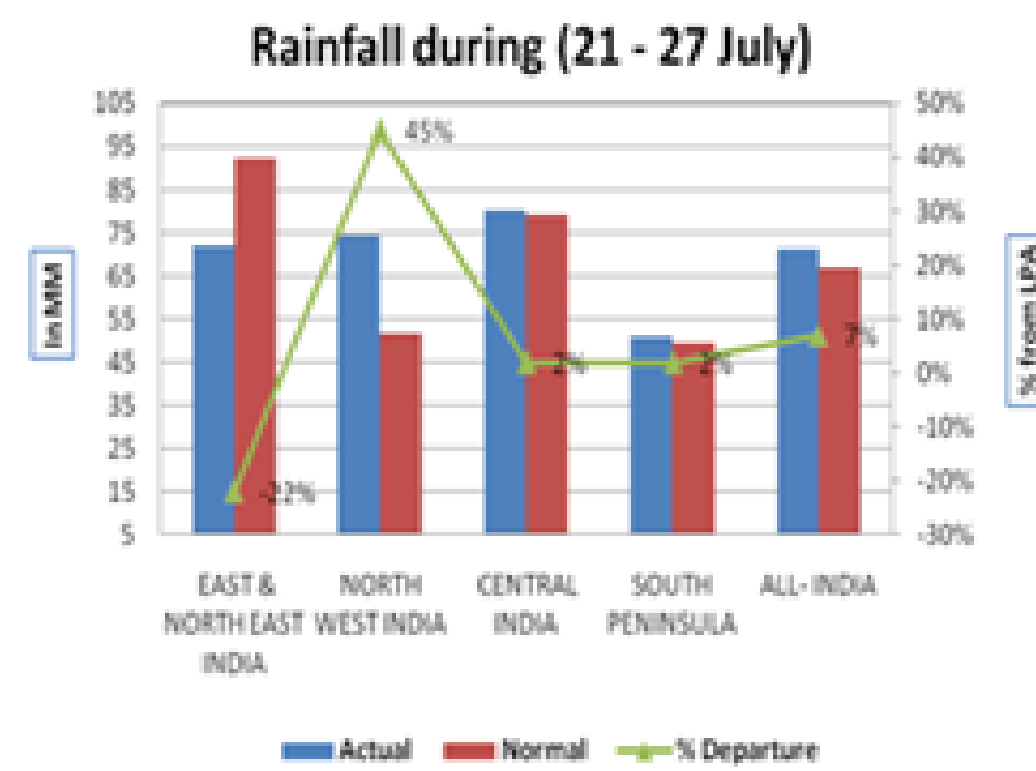
**Legend**  
■ Large Excess [ 60% or more] ■ Excess [ 20% to 59%] ■ Normal [-19% to 19%] ■ Deficient [-59% to -20%] ■ Large Deficient [-99% to -60%]  No Rain [-100%]  No Data

**NOTES :**  
 a) RainFall figures are based on operation data.  
 b) Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm).  
 c) Percentage Departures of rainfall are shown in brackets.

During the week (21 - 27 July) higher monsoon rainfall was observed, as compared to Long Period Average (LPA) by 7%. Cumulative seasonal rainfall (01 June to 27 July) is higher than LPA by 10%.

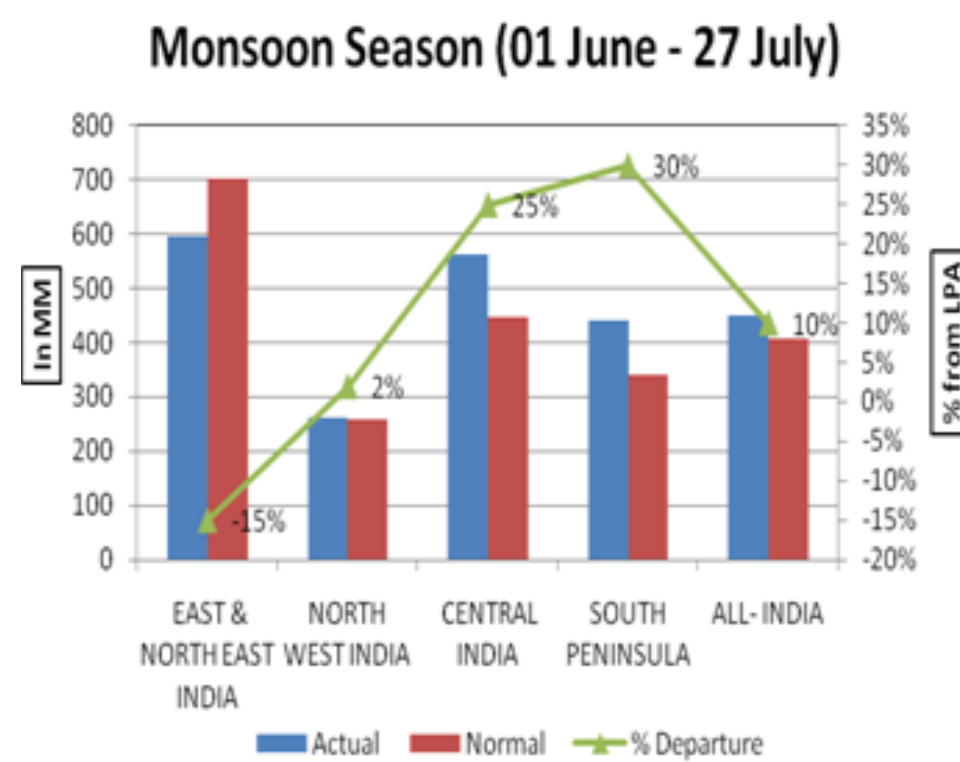
Table 1.1: Weekly and Cumulative Rainfall in four regions of the country

Region of India	Week Ending (27.07.2022)			
	(In MM)		Deviation %	Category
	Actual	Normal		
East & North-East	71.8	92.3	-22	D
North-West India	74.5	51.5	45	E
Central India	80.3	78.9	2	N
South Peninsula	50.8	49.6	2	N
Country as a whole	71.4	66.8	7	N



Region of India	Cumulative (01.06.2022 to 27.07.2022)			
	(In MM)		Deviation %	Category
	Actual	Normal		
East & North-East	597.3	703.0	-15	N
North-West India	261.9	257.5	2	N
Central India	562.2	448.4	25	E
South Peninsula	440.2	339.6	30	E
Country as a whole	451.5	40.9	10	N

Source: India Meteorological Department, New Delhi  
E: Excess, N: Normal, D: Deficient.

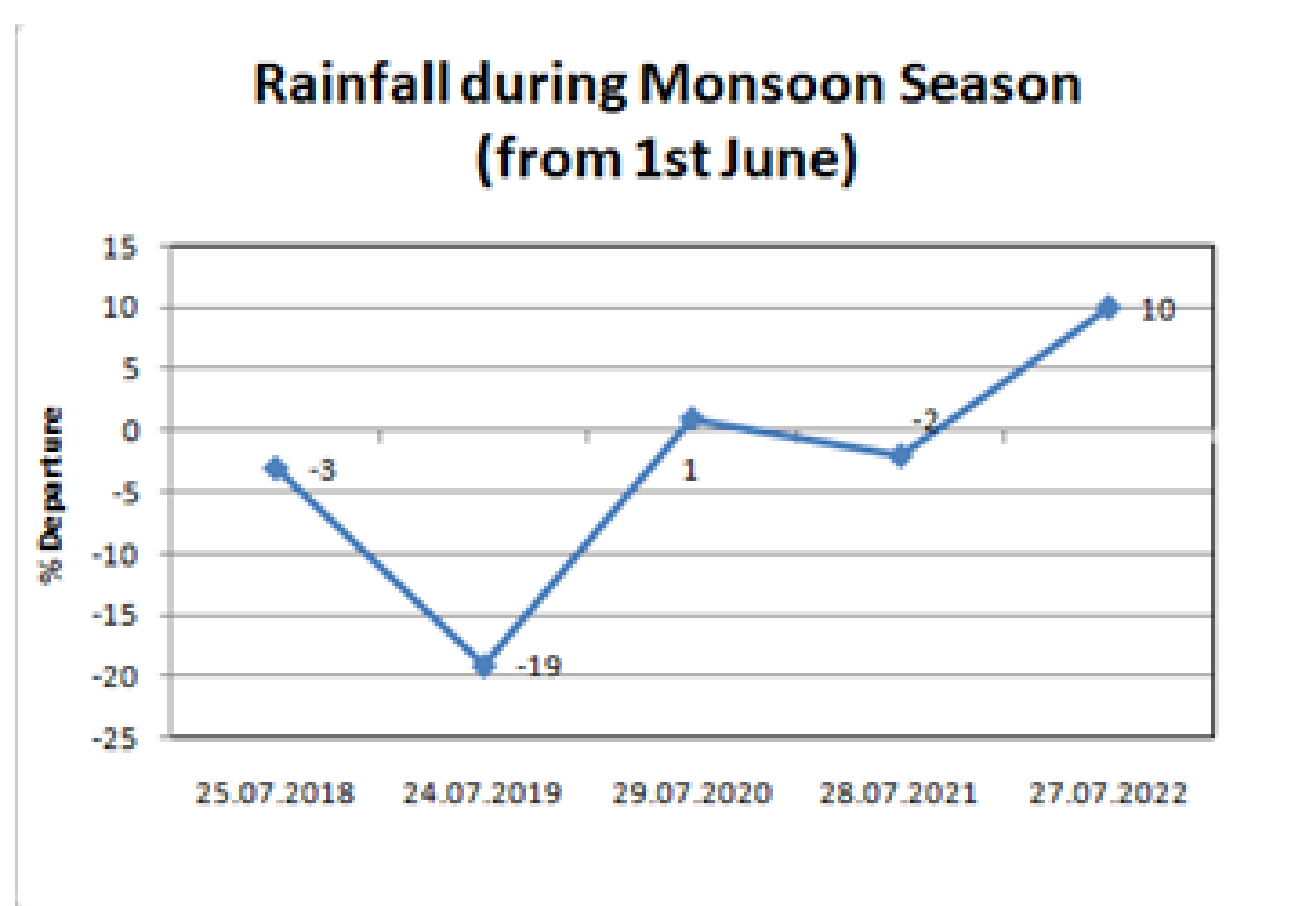


- All-India cumulative Monsoon rainfall data during the corresponding period for the last 5 years:

Table 1.2: Category-wise Comparative Distribution of Sub-Division (Cumulative Rainfall) and All-India Percentage Rainfall Departure for last 5 years (01 June 2022 to 27 July 2022)

No. of Sub-Divisions with rainfall	For the period from 1 June to					
	26 JULY 2017	25 JULY 2018	24 JULY 2019	29 JULY 2020	28 JULY 2021	27 JULY 2022
Large Excess	02	00	00	01	03	05
Excess	05	07	00	10	06	09
Normal	26	18	15	18	18	15
<b>Total</b>	<b>33</b>	<b>25</b>	<b>15</b>	<b>29</b>	<b>27</b>	<b>29</b>
Deficient	03	11	21	07	09	07
Large Deficient	00	00	00	00	00	00
No rain	00	00	00	00	00	00
<b>Total</b>	<b>03</b>	<b>11</b>	<b>21</b>	<b>07</b>	<b>09</b>	<b>07</b>
Data Inadequate	00	00	00	00	00	00
<b>TOTAL</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>
<b>All-India % Rainfall Deviation</b>	<b>5%</b>	<b>(-) 3%</b>	<b>(-) 19%</b>	<b>1%</b>	<b>(-) 2%</b>	<b>10%</b>

Source: IMD



## 28 July – 03 August, 2022:

- Fairly widespread to widespread light/moderate rainfall with isolated heavy falls. Isolated heavy falls and thunderstorm/lightning likely over Jammu & Kashmir, West Uttar Pradesh, Himachal Pradesh, Punjab, Haryana, Chandigarh, Uttarakhand, East Uttar Pradesh, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya.
- Isolated to scattered rainfall with thunderstorm likely to occur over rest parts of the country during most days of the week.

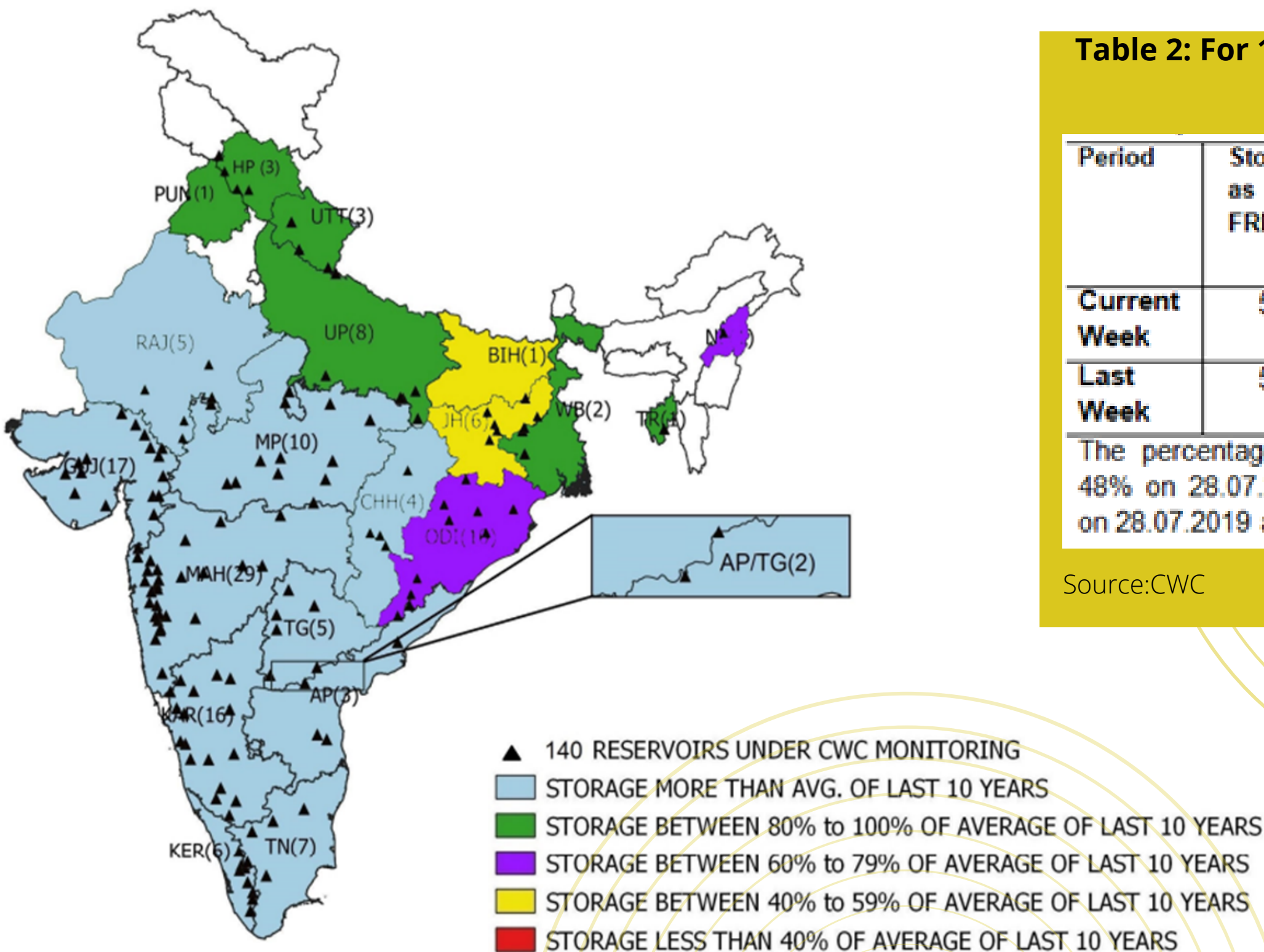
## 04 - 10 August, 2022::

- The monsoon trough is very likely to be active & south of its normal position during most days of the week.
- Rainfall activity is likely to be above normal over Central & Peninsular India. It is likely to be near normal over rest parts of the country (outside Jammu & Kashmir, Punjab and Saurashtra & Kutch, where it is likely to be below normal).

## II. RESERVOIR STORAGE (AS ON 28 JULY, 2022)

- Current Live Storage in 143 reservoirs was 101.47 BCM (or 57%) of Total Live Capacity of 177.46 BCM.
- Current year's storage is 119% of last year's storage and 139% of normal storage.
- 115 reservoirs having storage more than 80% of normal storage.
- 09 reservoirs having storage upto 30% of normal storage.

### Map indicating state-wise storage position (As on 28.07.2022)



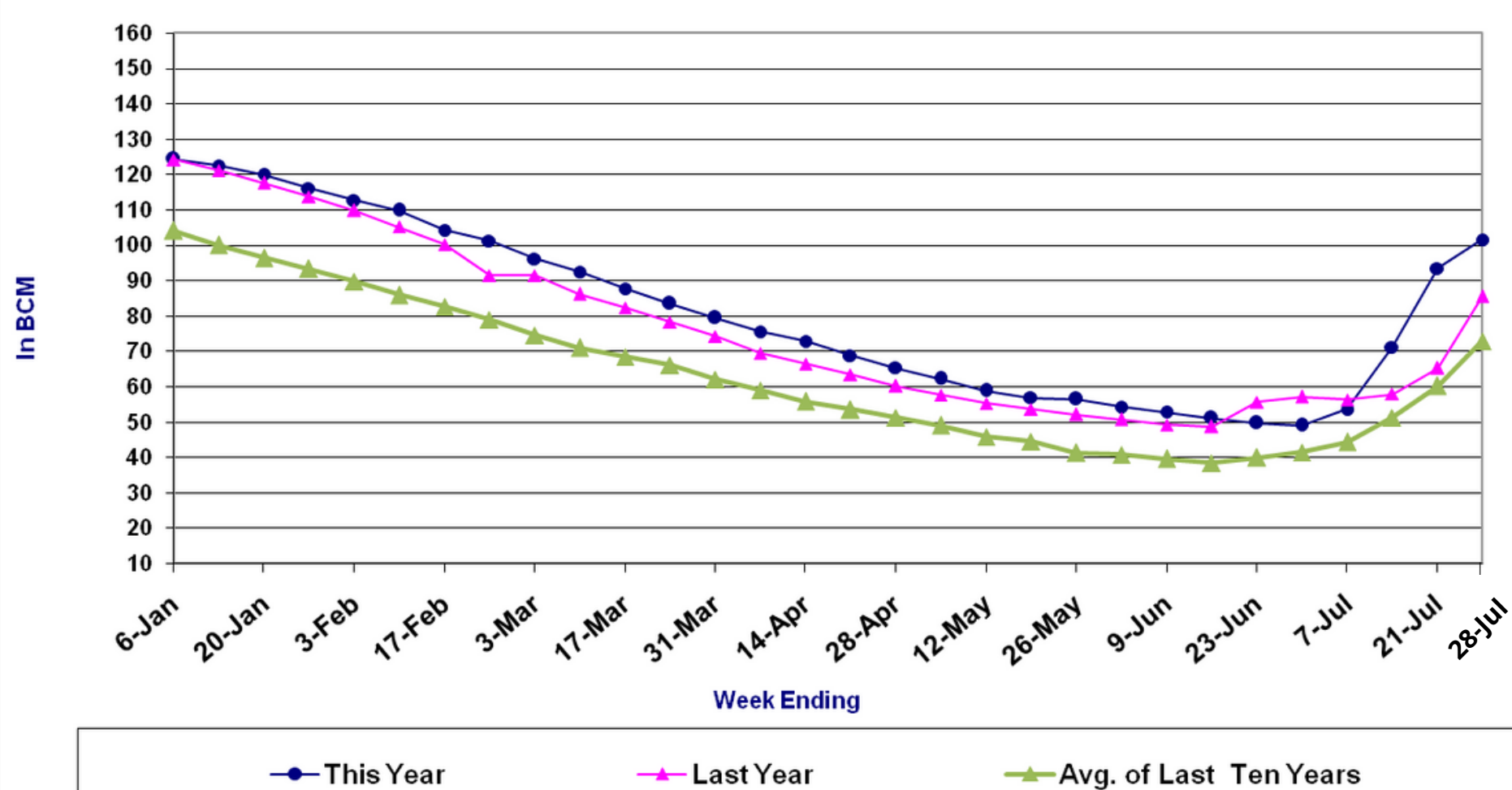
**Table 2: For 143 major reservoirs of the country**

Period	Storage as % of FRL	Storage as % of Last Year	Storage as % of Year's Average Level
<b>Current Week</b>	57	119	139
<b>Last Week</b>	53	143	155

The percentage to live capacity at FRL was 48% on 28.07.2021, 41% on 28.07.2020, 27% on 28.07.2019 and 44% on 28.07.2018.

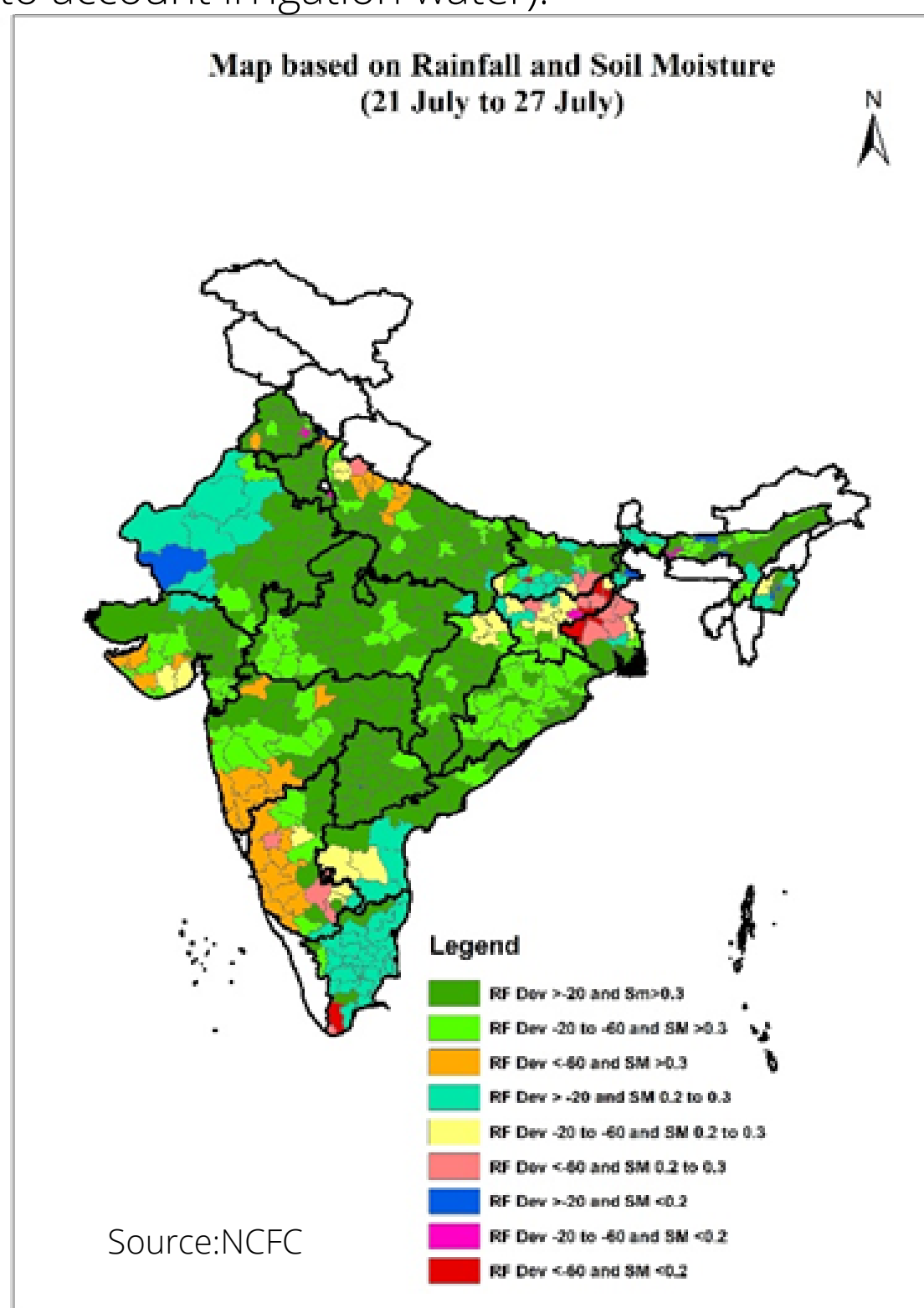
Source:CWC

**ALL-INDIA RESERVOIR TREND  
(WATER STOCK IN 2022 VS 2021 & AVERAGE OF LAST 10 YEARS)**



### III. REMOTE SENSING BASED OBSERVATION (21ST TO 27TH JULY, 2022)

- Crop condition is better in West Bengal, U.P.(Sugarcane belt) , Bihar , Rajasthan, A.P. as compare to 2021. (The model does not take into account irrigation water).



### IV. FERTILIZER POSITION

Availability of fertilizer has been comfortable. Details of Requirement, Receipt, Availability, Sales and Stock position of Major Fertilizers (UREA, DAP, MOP, Complex and SSP) during Kharif 2022 as on 27.07.2022 is given below:

	(In LMT)				
Availability/Sale/Closing Stock	Urea	DAP	MOP	NPKS	SSP
Opening Stock as on 01.04.2022	47.83	7.73	2.47	14.05	15.69
Actual Requirement for Kharif 2022	179.01	58.82	19.82	63.72	33.19
Estimated Requirement during July, 2022	38.01	11.39	3.64	12.64	5.78
Cumulative Receipt upto 27.07.2022	106.72	37.48	5.92	35.31	17.11
Cumulative Availability upto 27.07.2022	154.54	45.21	8.39	49.36	32.80
Cumulative Sales upto 27.07.2022	96.04	29.54	3.78	24.97	17.19
Closing Stock as on 27.07.2022	58.51	15.67	4.61	24.39	15.60

Source: Fertilizer Division (DAC&FW)/Department of Fertilizer

### V. PEST & DISEASE

- Overall intensity of pests and diseases remained below Economic Threshold Level except White fly ( Bemisiatabaci ) on cotton , Brinjal and chilli in Haryana and White fly on cotton in Punjab, Jassids (Amrascabiguttulabiguttula ) and Thrips (Thripstabaci) on Cotton in Haryana and Fall Army worm (Spodopterafrugiperda) on Maize in Rajasthan , Uttar Pradesh and Karnataka , Stem borer (Chilopartellus ) on Maize in Uttar Pradesh.
- Pink boll worm infestation was found on cotton flowers in Hisar and Fatehabad districts of Haryana in Trace to low intensity below ETL.

## VI. SEEDS

- There is sufficient availability of certified/quality seeds of all major Kharif crops for Kharif-2022.
- Certified/Quality seeds availability was 177.97 lakh quintals against the requirement of 160.45 lakh quintals in the country for Kharif-2022 season. An overall surplus of 17.52 lakh quintals of seed is available for Kharif-2022.
- Certified/Quality seeds shortage was in some states in some commodities.

## VII. CROP SOWING POSITION

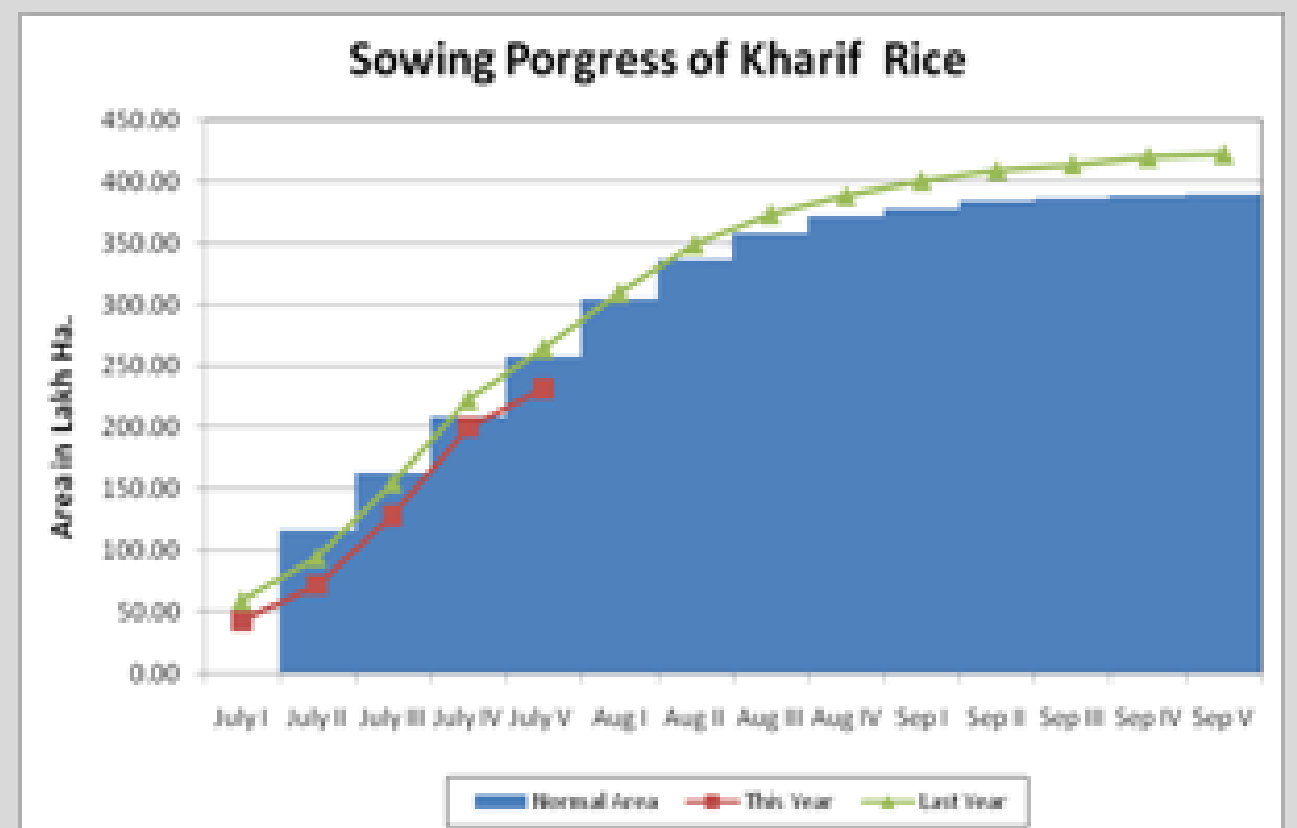
During the current Kharif season 2022 (as on 29.07.2022), 823.40 lakh ha. area has been sown which has shown decrease as compared to last year, which was 841.66 lakh ha. Area sown under Rice was 231.59 lakh ha. as compared to 267.05 lakh ha. of the corresponding period of last year. Decrease is due to late arrival of monsoon in some states. However, the area coverage is expected to pick up. Area coverage under Pulses has been reported 106.18 lakh ha. against 103.23 lakh ha. during the corresponding period of last year. Area coverage under Coarse Cereals has been reported 142.21 lakh ha. against 135.30 lakh ha. during the corresponding period of last year. Area coverage under Oilseeds has been reported 164.34 lakh ha. against 163.03 lakh ha. during the corresponding period of last year. (Detailed at Annexure)



### Sowing Progress under Rice

(Area in lakh ha.)

S.No	State	Normal Area	2022-23	2021-22	Absolute Change
1	Assam	10.98	10.16	11.55	-1.39
2	Bihar	23.65	16.53	22.14	-5.61
3	Chhattisgarh	30.47	26.10	28.47	-2.37
4	Jharkhand	8.39	2.75	7.47	-4.72
5	Madhya Pradesh	15.22	22.25	19.83	2.42
6	Odisha	18.91	12.79	15.39	-2.60
7	Telangana	5.15	5.02	9.08	-4.06
8	Tripura	0.88	0.35	1.98	-1.63
9	Uttar Pradesh	50.67	46.58	53.26	-6.68
10	West Bengal	18.41	11.31	21.93	-10.62
	<b>All-India</b>	<b>259.20</b>	<b>231.59</b>	<b>267.05</b>	<b>-35.46</b>

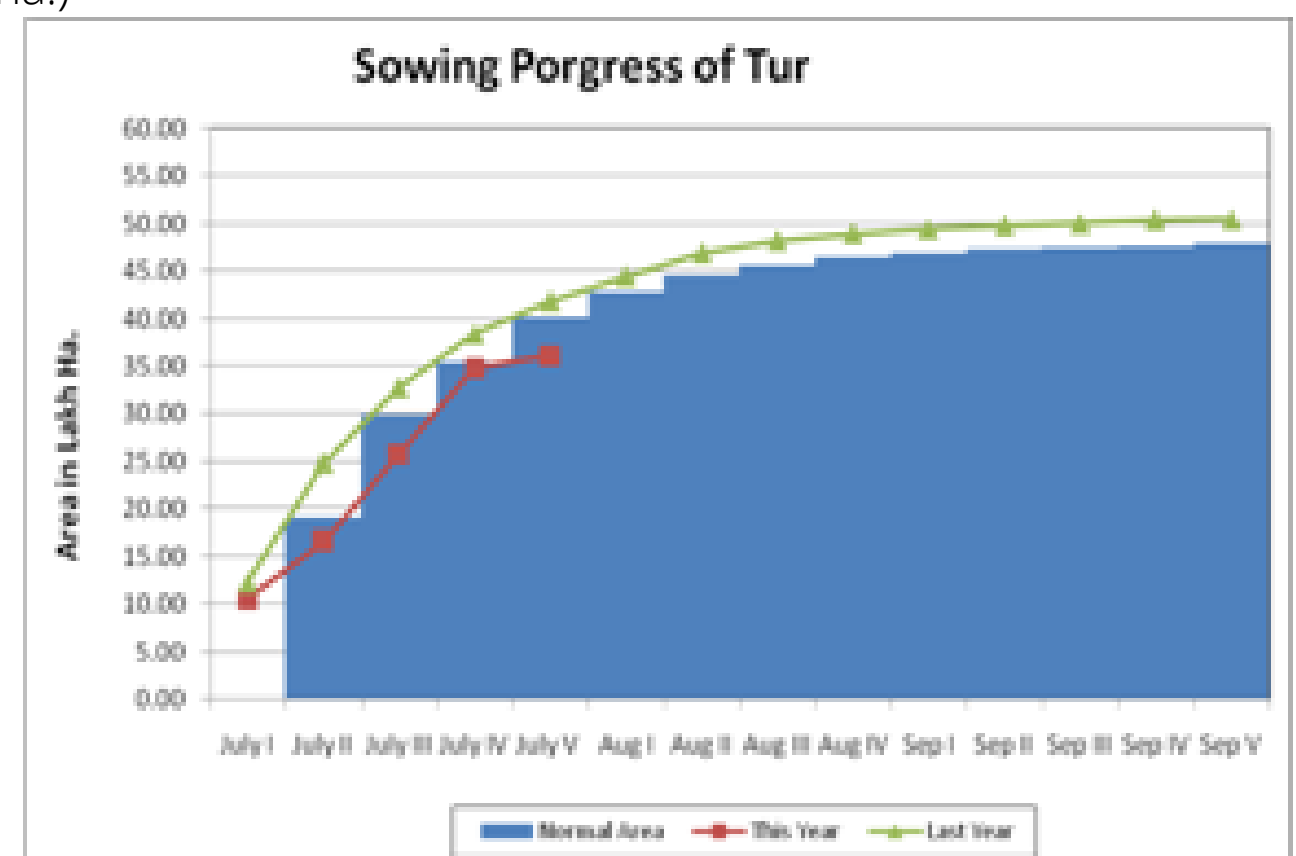


- The less area coverage under Rice mainly recorded in the states of UP, MP, Bihar, WB, Odisha, Jharkhand and area coverage is due to late arrival of monsoon. It is expected to pick up.

### Sowing Progress under Arhar (Tur)

(Area in lakh ha.)

S.No	State	Normal Area	2022-23	2021-22	Absolute Change
1	Jharkhand	2.01	1.33	1.71	-0.38
2	Karnataka	10.06	11.50	12.73	-1.23
3	Madhya Pradesh	4.47	3.15	3.62	-0.47
4	Maharashtra	11.62	11.12	12.51	-1.39
5	Telangana	2.79	1.88	3.42	-1.55
	<b>All-India</b>	<b>39.56</b>	<b>36.11</b>	<b>41.75</b>	<b>-5.64</b>

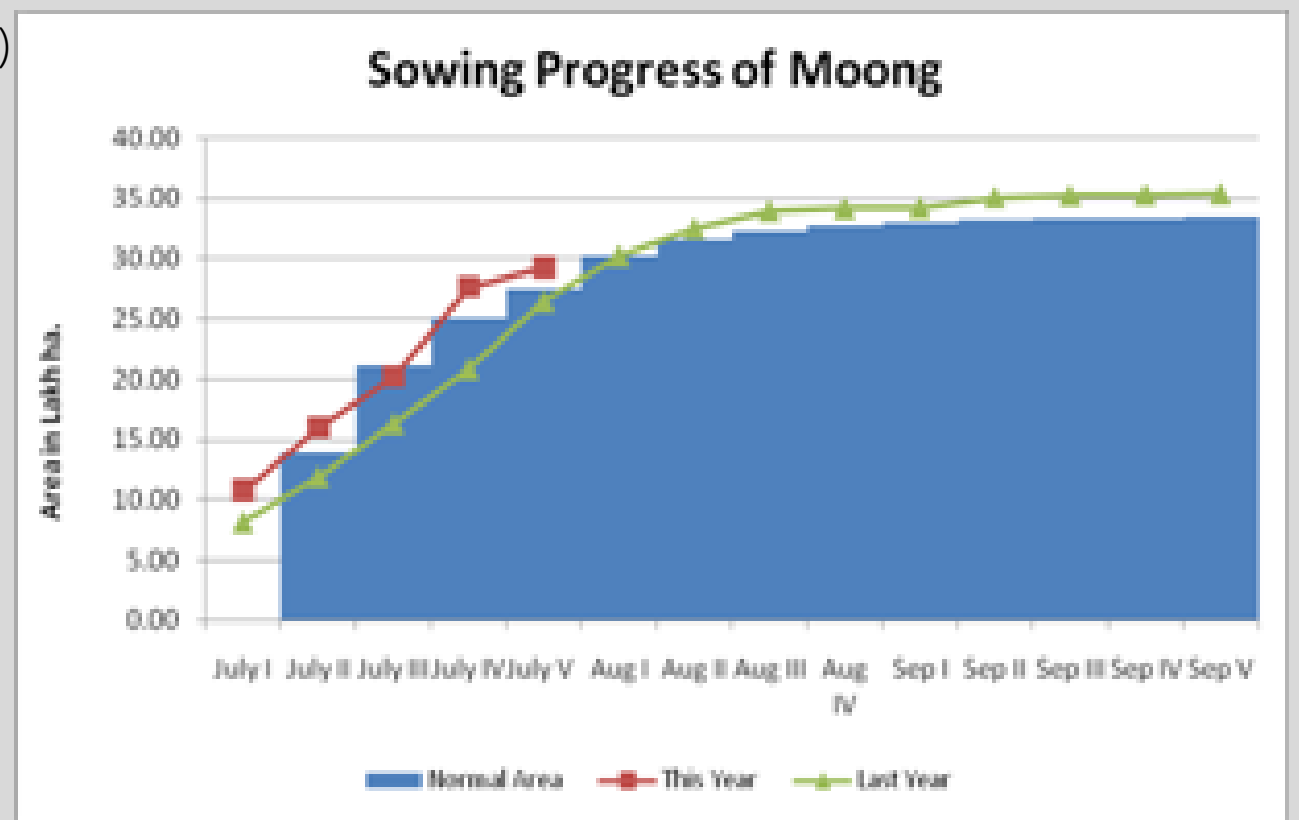


- Area coverage under Arhar (Tur) has been decreased by 5.64 lakh ha. as compared to the corresponding period of last year.

## Sowing Progress under Moong

(Area in lakh ha.)

S.No	State	Normal Area	2022-23	2021-22	Absolute Change
1	Chhattisgarh	0.13	0.06	0.11	-0.05
2	Maharashtra	3.57	2.65	3.46	-0.81
3	Odisha	0.94	0.62	0.82	-0.20
4	Rajasthan	15.14	19.41	14.00	5.41
5	Telangana	0.61	0.22	0.51	-0.29
	<b>All-India</b>	<b>26.92</b>	<b>29.26</b>	<b>25.29</b>	<b>3.96</b>

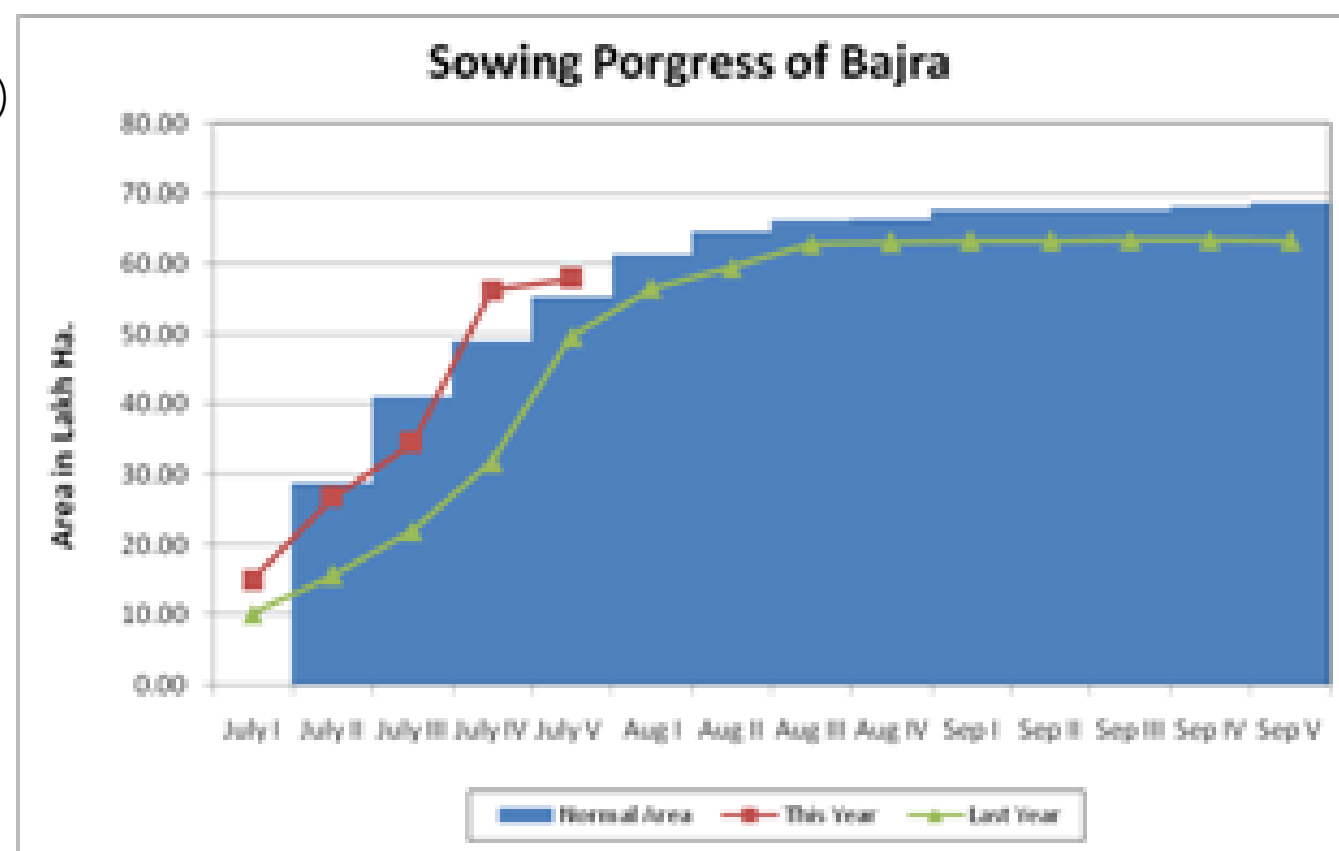


- Area coverage under Moong has been increased by 3.96 lakh ha. as compared to the corresponding period of last year.

## Sowing Progress under Bajra

(Area in lakh ha.)

S.No	State	Normal Area	2022-23	2021-22	Absolute Change
1	Gujarat	1.41	1.28	0.95	0.34
2	Madhya Pradesh	1.77	2.36	1.33	1.03
3	Maharashtra	5.08	3.78	4.34	-0.57
4	Rajasthan	34.23	41.32	29.42	11.90
5	Uttar Pradesh	5.17	4.45	3.98	0.47
	<b>All-India</b>	<b>53.34</b>	<b>57.91</b>	<b>45.06</b>	<b>12.85</b>

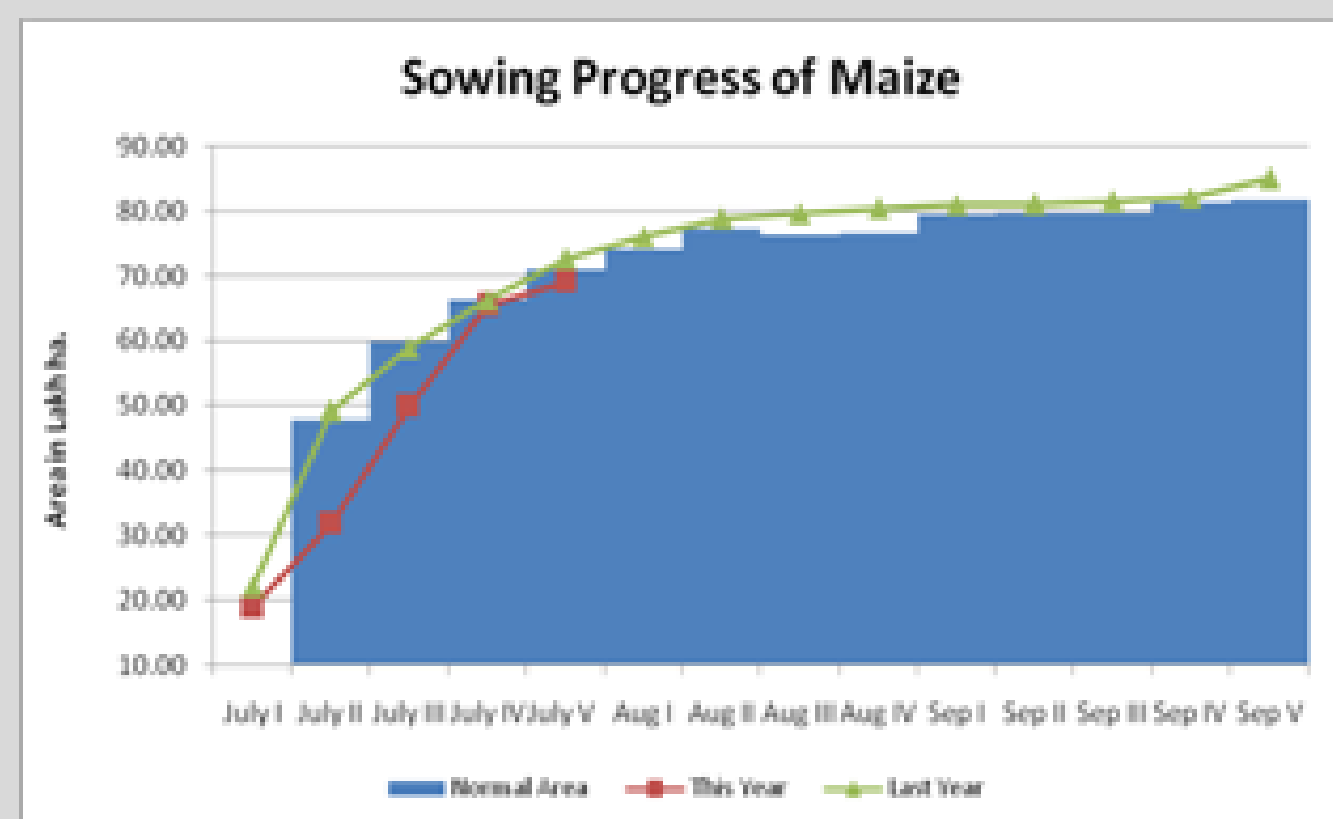


- Area coverage under Bajra has been increased by 12.85 lakh ha. as compared to the corresponding period of last year.

## Sowing Progress under Maize

(Area in lakh ha.)

S.No	State	Normal Area	2022-23	2021-22	Absolute Change
1	Bihar	3.61	1.66	3.10	-1.44
2	Jharkhand	2.34	1.71	2.18	-0.47
3	Rajasthan	8.45	9.21	7.51	1.70
4	Telangana	2.94	1.52	2.30	-0.78
5	Uttar Pradesh	6.87	4.67	6.63	-1.96
	<b>All-India</b>	<b>70.89</b>	<b>69.06</b>	<b>72.49</b>	<b>-3.44</b>

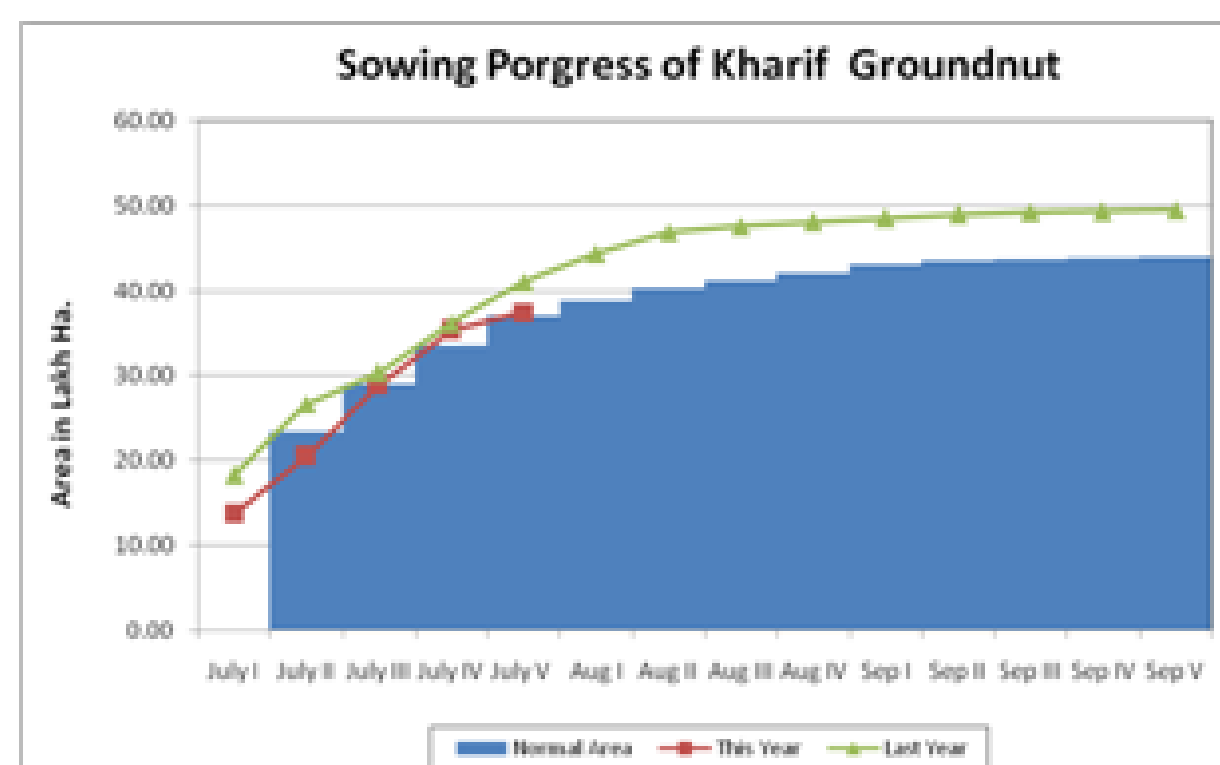


- Area coverage under Maize has been decreased by 3.44 lakh ha. as compared to the corresponding period of last year.

## Sowing Progress under Groundnut

(Area in lakh ha.)

S.No	State	Normal Area	2022-23	2021-22	Absolute Change
1	Gujarat	16.61	16.27	18.68	-2.41
2	Karnataka	2.95	2.15	3.66	-1.51
3	Madhya Pradesh	2.37	3.60	3.26	0.34
4	Maharashtra	1.77	1.45	1.84	-0.39
5	Rajasthan	6.20	7.71	7.26	0.45
	<b>All-India</b>	<b>37.23</b>	<b>37.41</b>	<b>41.32</b>	<b>-3.92</b>



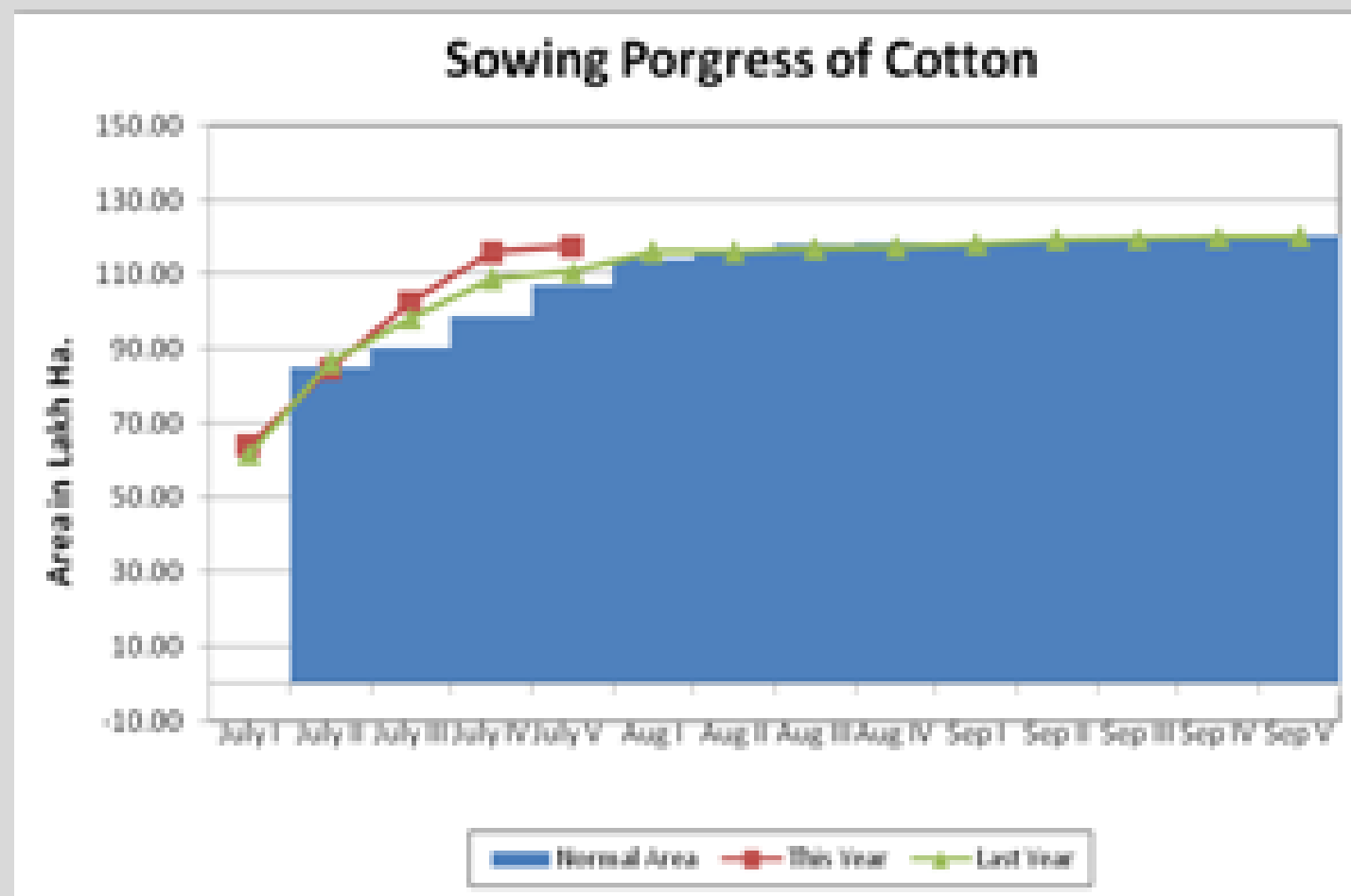
- Area coverage under Groundnut has been decreased by 3.92 lakh ha. as compared to the corresponding period of last year.



## Sowing Progress under Cotton

(Area in lakh ha.)

S.No	State	Normal Area	2022-23	2021-22	Absolute Change
1	TELANGANA	18.17	18.02	20.05	-2.03
2	Gujarat	22.83	24.50	21.77	2.72
3	Karnataka	3.87	6.59	5.07	1.52
4	Rajasthan	5.81	6.45	5.97	0.49
5	Odisha	1.54	1.98	1.80	0.18
	<b>All-India</b>	<b>110.38</b>	<b>117.65</b>	<b>111.69</b>	<b>5.96</b>



- Area coverage under Cotton has been reported 117.65 lakh ha. against 111.69 lakh ha. during the corresponding period of last year i.e. increased by 5.96 lakh ha.

## VIII.HORTICULTURE (AS ON 26 JULY, 2022)

As of now out of the Kharif targeted area, sowing of 13.31% under Onion 52.52% under Potato and 31.19% under Tomato have been completed.

### Kharif Onion

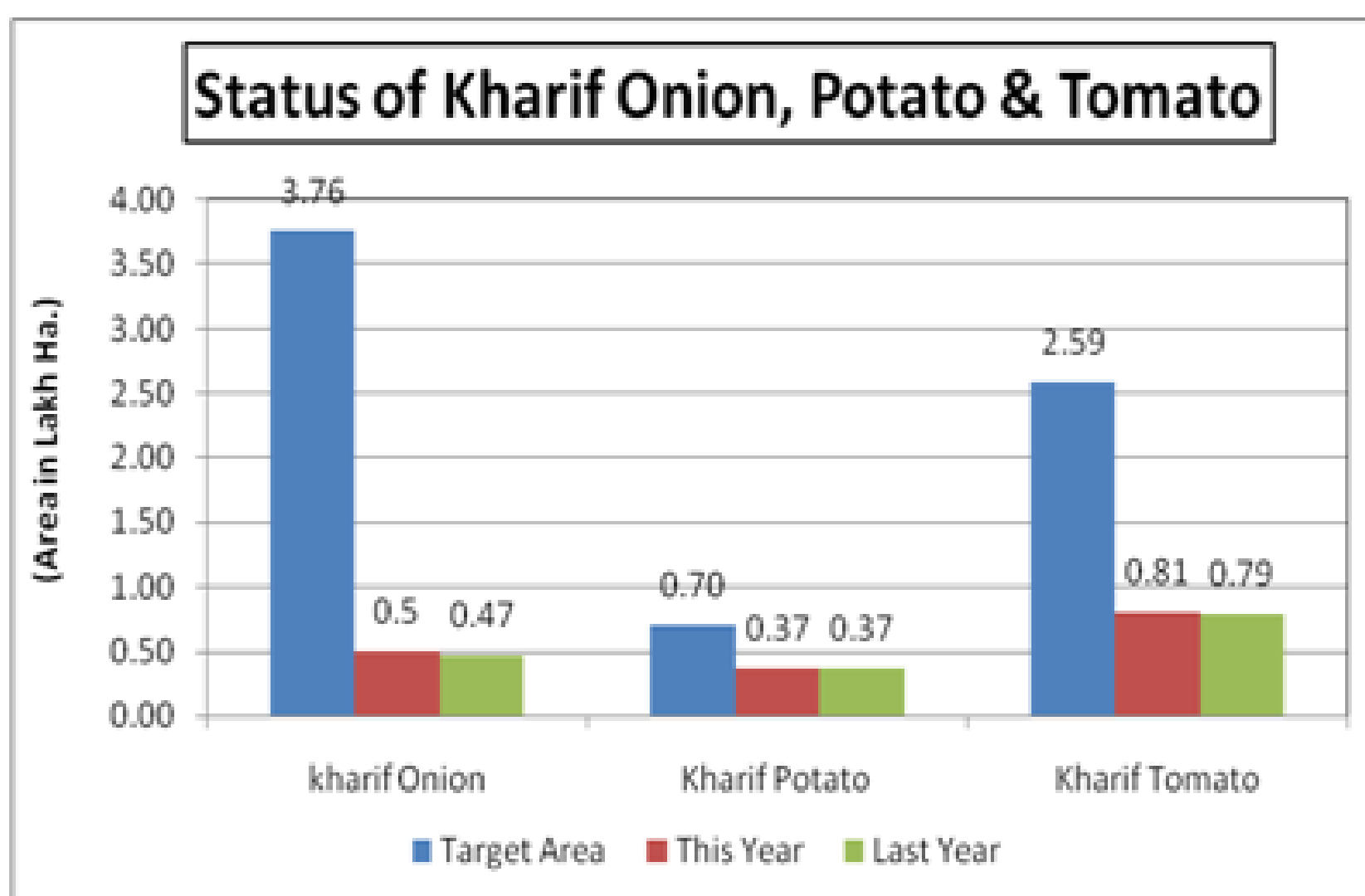
Sowing/transplanting is continuing in Karnataka, Maharashtra, Tamil Nadu, Haryana, Madhya Pradesh, Andhra Pradesh, Uttar Pradesh and Telangana and yet to start in Gujarat.

### Kharif Potato

Sowing is complete in Uttarakhand and continuing in Maharashtra, Karnataka and Tamil Nadu.

### Kharif Tomato

Sowing/transplanting is complete in Uttarakhand, Himachal Pradesh and is continuing in Maharashtra, Karnataka, MP, AP, Tamil Nadu and Telangana.



## ANNEXURE

<b>Progress report of area coverage under Kharif crops as on 29.07.2022</b>					
					Area: In lakh hectare
S. No.	Crop	Normal Area (DES)	Area Sown		Increase(+)/ Decrease(-) over 2022
			2022	2021	
<b>1</b>	<b>Rice</b>	<b>397.06</b>	<b>231.59</b>	<b>267.05</b>	<b>-35.46</b>
<b>2</b>	<b>Pulses</b>	<b>140.18</b>	<b>106.18</b>	<b>103.23</b>	<b>2.95</b>
a	Arhar	47.17	36.11	41.75	-5.64
b	Urdbean	38.94	28.01	27.94	0.06
c	Moongbean	35.61	29.26	25.29	3.96
d	Kulthi	2.00	0.15	0.21	-0.07
e	Other pulses	16.47	12.66	8.03	4.63
<b>3</b>	<b>Coarse-cum-Nutri cereals</b>	<b>183.57</b>	<b>142.21</b>	<b>135.30</b>	<b>6.91</b>
a	Jowar	19.52	10.58	10.31	0.27
b	Bajra	73.43	57.91	45.06	12.85
c	Ragi	10.49	1.43	3.88	-2.45
d	Small millets	5.46	3.23	3.55	-0.32
e	Maize	74.68	69.05	72.49	-3.44
<b>4</b>	<b>Oilseeds</b>	<b>184.11</b>	<b>164.34</b>	<b>163.03</b>	<b>1.31</b>
a	Groundnut	44.37	37.41	41.32	-3.92
b	Soybean	115.51	114.68	111.88	2.80
c	Sunflower	1.30	1.57	1.10	0.47
d	Sesamum	12.60	8.74	7.81	0.93
e	Niger	1.72	0.16	0.12	0.04
f	Castor	8.61	1.68	0.72	0.96
g	Other Oilseeds	0.00	0.11	0.08	0.03
<b>5</b>	<b>Sugarcane</b>	<b>47.38</b>	<b>54.51</b>	<b>54.42</b>	<b>0.09</b>
<b>6</b>	<b>Jute &amp; Mesta</b>	<b>7.09</b>	<b>6.91</b>	<b>6.94</b>	<b>-0.03</b>
<b>7</b>	<b>Cotton</b>	<b>125.57</b>	<b>117.65</b>	<b>111.69</b>	<b>5.96</b>
<b>Total</b>		<b>1084.97</b>	<b>823.40</b>	<b>841.66</b>	<b>-18.26</b>

Source: Crops Division, DA&FW