

**CROP WEATHER WATCH
GROUP (CWWG) MEETING
HELD ON 20.01.2025**



**Agricultural Statistics Division
Department of Agriculture & Farmers Welfare
Ministry of Agriculture & Farmers Welfare**

Summary Points of the CWWG meeting:

I. Preliminary Report of area coverage under Rabi season

Rabi crops:

- As on January 17, 2025, the area sown under Rabi crops is 640.00 lakh ha as compared to 637.49 lakh ha during the corresponding period of last year. Of this, area of 320.00 lakh ha has been sown under wheat this year against the previous year area of 315.63 lakh ha (increase of 4.37 lakh ha).

Rabi Horticulture Crops :

- For Onion, Potato and Tomato, an area sown has been reported by the major producing States, 7.70 lakh ha, 19.71 lakh ha, 1.96 lakh ha as against total sown area of 6.97 lakh ha, 19.52 lakh ha, 1.51 lakh ha, respectively in the last year.

II. Weather:

- The Western Disturbance as a trough in middle tropospheric levels with its axis at 5.8 km above mean sea level Long. 72°E to the north of Lat. 30°N. An induced cyclonic circulation lies over West Rajasthan & adjoining Pakistan at lower tropospheric level. Another Western Disturbance as a trough in middle & upper tropospheric levels runs roughly along Long. 58°E to the north of Lat. 28°N.
- Isolated to Scattered rainfall/snowfall very likely over Western Himalayan Region till 21st; scattered to fairly widespread rainfall/snowfall on 22nd & 23rd; and isolated to scattered rainfall accompanied with thunderstorm & lightning likely over Punjab, Haryana Chandigarh & Delhi, north Rajasthan & West Uttar Pradesh on 22nd & 23rd January.
- Due to strong northeasterly winds over Tamil Nadu coast, scattered Light to moderate rainfall accompanied with Thunderstorm & lightning at isolated places very likely over coastal Tamil Nadu, Puducherry on 20th January.
- Gradual rise in minimum temperatures by 2-3°C likely over plains of Northwest India during next 2 days, no significant change thereafter.
- No significant change in minimum temperatures likely over West, East India & Gujarat region during next 4- 5 days.

- Overall, rainfall is likely to be above normal over most parts of south Peninsular & adjoining central India during the week.

III. Rainfall distribution:

- All India seasonal cumulative (01st Jan 2025 – 19th Jan 2025) rainfall in % departure from its Long Period Average (LPA) was (-)61%, with East & North East-India (-)39%, North-West India (-)68%, Central India (-)94% and South Peninsula (-)17%.

IV. Water Reservoir Status:

- As on 16th January, 2025, the total live water storage in 155 important reservoirs across the country (monitored by CWC) is 123.805 billion Cubic Meter, which is 68% of total live storage capacity (180.85 BCM).
- The current year's storage is nearly 123 percent of last year's storage and 121 percent of the average storage of the last ten years during the corresponding period.
- The overall storage position is better than the corresponding period of last year in the country as a whole and is also better than the Normal storage during the corresponding period.

V. Groundwater Levels Scenario

- About 66.6% of the total monitoring wells show depth to water level in the range of 0 to 5 m below ground level and 29.1% show depth to water level in the range of 5 to 10 m below ground level. As per decadal water level fluctuation with a mean (August 2014 to 2023) and August 2024 analysis, 64.9% of monitoring wells (8199) show a rise whereas 35.1% (4435) show a fall in August month.

VI. Seeds:

- For Rabi 2024-25, availability of certified/ quality seed in the country is 337.98 lakh quintals against the requirement of 307.07 lakh quintals indicating an overall surplus of 30.90 lakh quintals of seeds.

VII. Fertilizers:

- Fertilizers position is stated to be comfortable in all products.

VIII. Pests & Diseases:

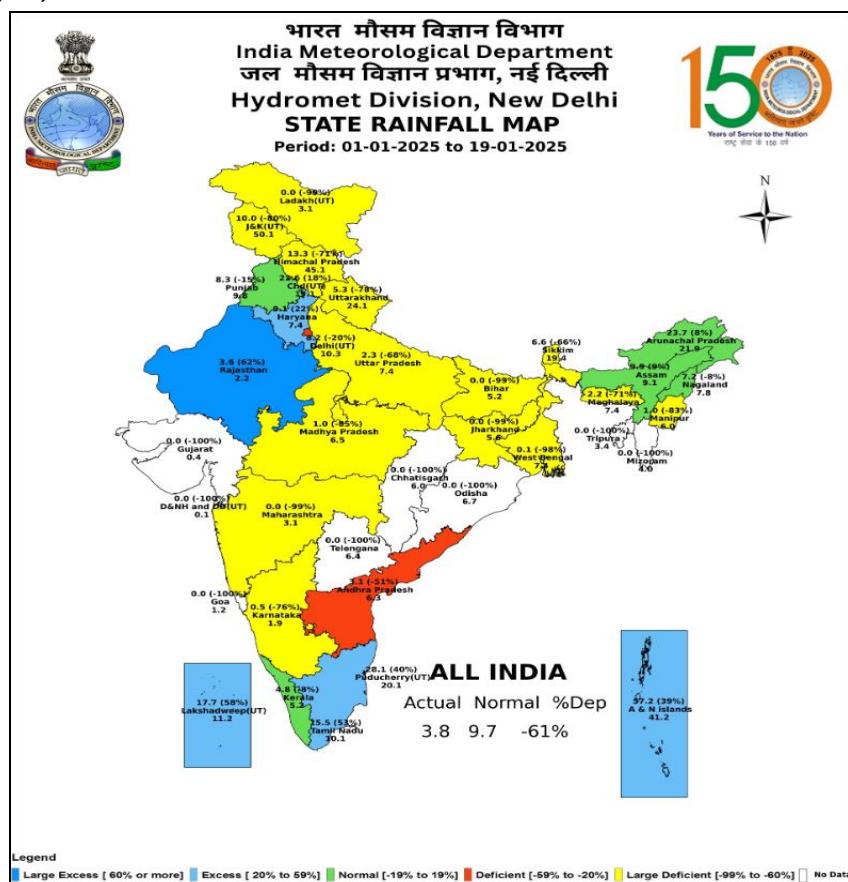
Intensity of pests and diseases, at some fields, has been reported to be above Economic Threshold Level for Coconut (Black headed caterpillar) in Tamil Nadu. The Advisory has been issued by the survey team to the farms and regular monitoring is being carried out. The overall intensity of pests and diseases remained below Economic Threshold Level.

Details of each sector have been enclosed at Annex.

Annex

WEATHER OUTLOOK

01st Jan to 19th Jan, 2025:



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 :

- RainFall figures are based on operation data.
- Small figures indicate actual rainfall (mm), while bold figures indicate Normal rainfall (mm).
- Percentage Departures of rainfall are shown in brackets.

- During the week (09 Jan 2024 – 15-01-2025), large deficient rainfall was observed, as compared to Long Period Average (LPA) by 64%. Cumulative seasonal rainfall (01 Jan to 19 Jan 2025) is lower than LPA by 61 %.

Rainfall Forecast:

16th Jan – 22th Jan 2025

- Isolated to Scattered rainfall/snowfall very likely over Western Himalayan Region till 21st; scattered to fairly widespread rainfall/snowfall on 22nd & 23rd; and isolated to scattered rainfall accompanied with thunderstorm & lightning likely over Punjab, Haryana Chandigarh & Delhi, north Rajasthan & West Uttar Pradesh on 22nd & 23rd January.
- Overall, rainfall is likely to be above normal over most parts of south Peninsular & adjoining central India during the week.

23rd Jan – 29nd Jan 2025

- No active western disturbance is likely to influence northwest India during the week.
- Under the influence of likely formation of cyclonic circulation/ Low Pressure area over south Bay of Bengal, isolated to scattered rainfall likely over South Peninsular & adjoining central India during some days of the week.
- Overall, rainfall is likely to be normal to above normal over most parts of south Peninsular; below normal over rest parts of the country during the week.

16th Jan – 22th Jan 2025

- No significant change in minimum temperatures likely over Central India and East India & East Uttar Pradesh during next 24 hours and gradual rise by 2- 4°C during subsequent 4 days.
- No significant change in minimum temperatures likely over rest parts of the country.

23rd Jan – 29nd Jan 2025

- Minimum temperatures are likely to fall by 1-4°C over northwest, central, central east& Peninsular India as compared to week 1. It is likely to be between 4-8°C to be many parts of north & adjoining central India (excluding Western Himalayan Region) and above 8°C over rest parts of the country during the week.
- There is a low to moderate probability of cold wave conditions at isolated places over Himachal Pradesh, Punjab, Haryana and north Rajasthan during some days of the week.
- Dense fog is likely to occur in isolated places of Indo Gangetic plains during some to many days of the week.

For more details login to IMD website.

Temperature Forecast:

RESERVOIR STORAGE (as on 16th January, 2025)

- Current live storage in 155 reservoirs was 123.805 BCM (68%) of total live capacity of 180.85 BCM.
- 145 reservoirs having storage more than 80% of normal storage.
- 06 reservoirs having storage 51% to 80%.
- 03 reservoirs having storage 31% to 50%.
- 01 reservoir having storage up to 30 %.

Period	Storage as % of FRL	Storage as % of Last Year	Storage as % of 10 Year's Average Level
Current Week	68	123	121
Last Week	71	124	121

The percentage to live capacity at FRL was 55% on 16.01.2024, 68% on 16.01.2023, 70% 16.01.2022 and 69% on 16.01.2021.

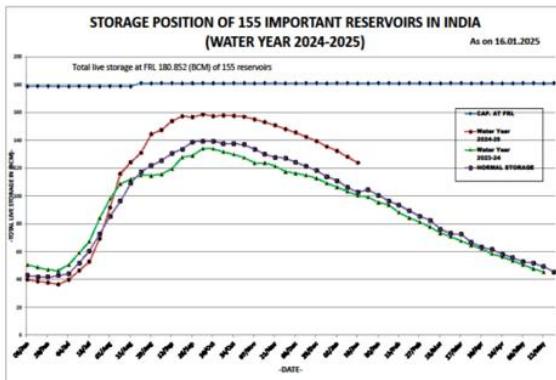
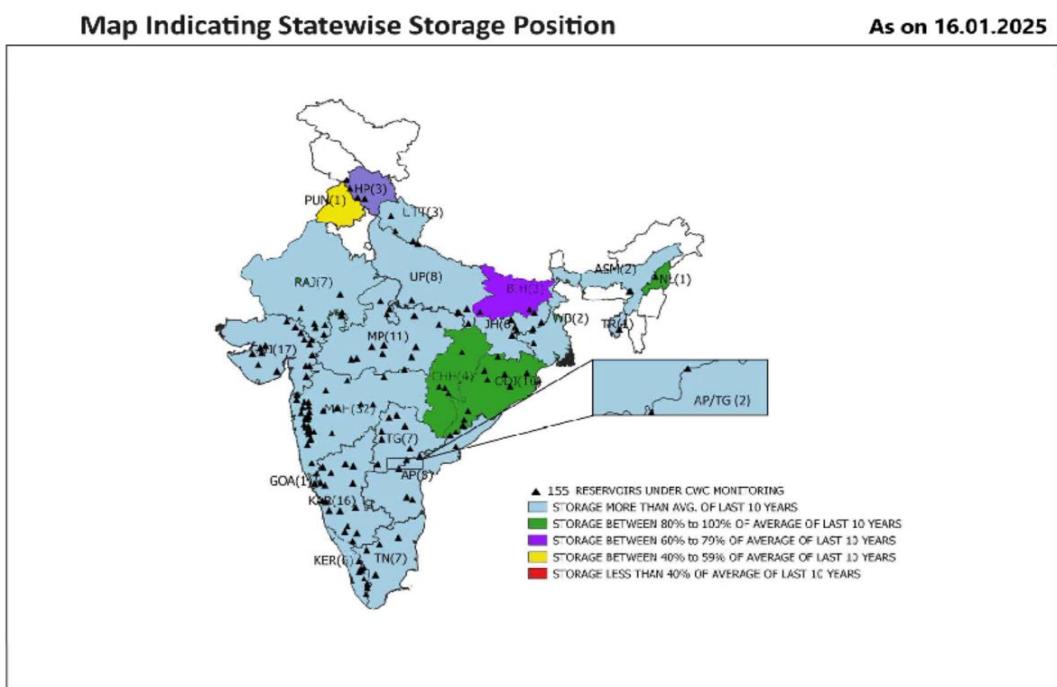


Table 2: For 155 major reservoirs of the country



Source: CWC

CROP SOWING STATUS FOR RABI SEASON

Rabi Crops

- As on 17.01.2025 area sown under Rabi crops is 640.00 lakh ha as compared to 637.49 lakh ha during the corresponding period of last year.
 - Sowing Status of Wheat:** As on 17.01.2025, area of 320.00 lakh ha has been sown under wheat this year against the previous year area of 315.63 lakh ha while the normal area of wheat is 312.35 lakh ha.
 - Sowing status of Rapeseed & Mustard:** As on 17.01.2025, an area of 89.30 lakh ha area has been sown under mustard against the previous year area of 93.73 lakh ha while the normal area under Mustard is 79.16 lakh ha.
 - Sowing status of Jowar:** As on 17.01.2025, the area covered under Rabi Jowar is 23.95 lakh. Sowing is almost completed for the current season.
- Rabi sowing for all crops is above normal except gram, as the sowing window is still open, it is expected to achieve normal area.

Progress of area coverage under Rabi crops as on 17.01.2025					
S. No.	Crops	Normal Rabi Area (DES)	Area Sown		Increase (+) / Decrease (-) over 2023-24
			2024-25	2023-24	
1	Wheat	312.35	320.00	315.63	4.37
2	Rice *	42.02	26.20	26.14	0.06
3	Pulses	140.44	141.69	139.29	2.40
a	Gram	100.99	98.28	95.87	2.41
b	Lentil	15.13	17.43	17.76	-0.33
c	Fieldpea \$	6.50	8.94	8.98	-0.04
d	Kulthi \$	1.98	3.13	3.13	0.00
e	Urdbean *	6.15	5.12	5.12	0.01
f	Moongbean *	1.44	1.21	1.08	0.13
g	Lathyrus \$	2.79	3.12	3.32	-0.20
h	Other Pulses \$	5.46	4.45	4.04	0.42
4	Shri Anna & Coarse cereals	53.46	54.49	54.63	-0.14
a	Jowar *	24.37	23.95	25.76	-1.80
b	Bajra #	0.37	0.14	0.17	-0.03
c	Ragi #	0.74	0.72	0.68	0.04
d	Small Millets #	0.15	0.16	0.00	0.16
e	Maize *	22.11	22.90	21.32	1.58
f	Barley	5.72	6.62	6.71	-0.09
5	Oilseeds	87.02	97.62	101.80	-4.18
a	Rapeseed & Mustard	79.16	89.30	93.73	-4.43

b	Groundnut *	3.82	3.65	3.42	0.23
c	Safflower	0.72	0.70	0.71	-0.01
d	Sunflower *	0.81	0.74	0.43	0.31
e	Sesamum *	0.58	0.20	0.37	-0.17
f	Linseed	1.93	2.68	2.84	-0.17
g	Other Oilseeds	0.00	0.35	0.29	0.06
	Total Crops	635.30	640.00	637.49	2.51

Note: *Average of 2022-23 and 2023-24, \$ average (2016-17 to 2020-21) as per DES, #Average of (2018-19 to 2022-23) as per CWWG report.

Disclaimer : For Kharif crop wise estimated area, please see advanced estimates released by Ministry of Agriculture and Farmers' Welfare available on UPAg (upag.gov.in)

Rabi Horticulture Crops:

Status of Sowing of Onion, Potato and Tomato in major producing States for Rabi Season as on 16th Jan 2025				
<i>Area in Lakh Hectare</i>				
Crop	Normal Rabi Area Sown in major producing States	Area Sown** during 2024-25	Area Sown in the corresponding period of 2023-24	Increase/Decrease in 2024-25 over 2023-24
(1)	(2)	(3)	(4)	(5)
Onion	10.29	7.70	6.97	0.73
Potato	18.23	19.71	19.32	0.39
Tomato	3.24	1.96	1.51	0.45

- Normal Area is the average sown area in last 5 years (2019-20 to 2023-24)
- The share of major producing States¹ is nearly 85% in case of Rabi Potato and Tomato and 90% in case of Rabi onion.
- The total normal Rabi sown area in the Country (including minor producing States) was 11.37 lakh ha for Onion, 21.47 lakh ha for Potato and 5.83 lakh ha for Tomato
- Sowing of Tomato, Onion and Potato (TOP) crops for the ongoing Rabi season is progressing smoothly.
- The sowing window is still available for all the three crops. Given the good prices prevailing in the market, it is expected to achieve the normal area
- ** In case of Onion, transplanted area is reported.

¹Major Producing States for Rabi Onion are: Maharashtra, Madhya Pradesh, Karnataka, Bihar, Rajasthan, Gujarat, Andhra Pradesh, Haryana, Uttar Pradesh, Telangana and Tamil Nadu

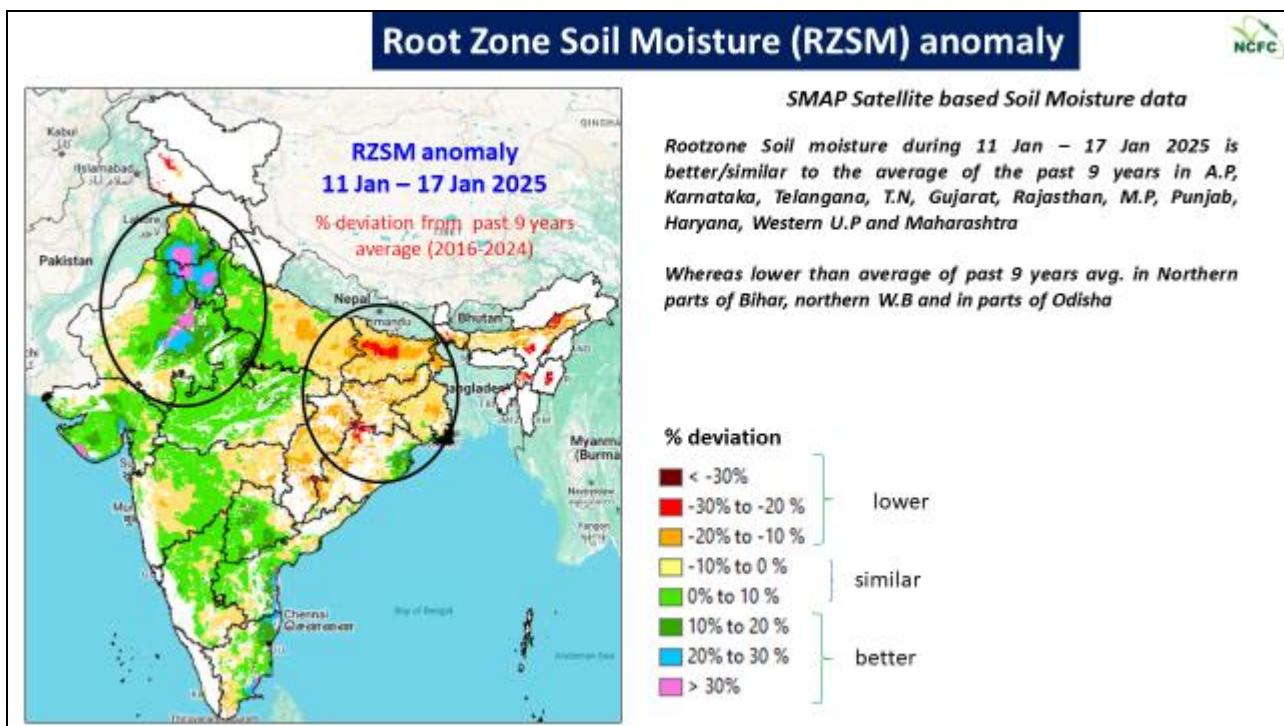
Major Producing States for Rabi Potato are: Uttar Pradesh, West Bengal, Bihar, Gujarat, Madhya Pradesh, Punjab and Haryana

Major Producing States for Rabi Tomato are: Andhra Pradesh, Madhya Pradesh, Karnataka, Gujarat, Maharashtra, and Telangana

REMOTE SENSING BASED SOIL MOISTURE OBSERVATION

Soil Moisture Observation

- Soil moisture during 11- 17 Jan 2025 is better/similar to the average of the past 9 years in A.P, Karnataka, Telangana, Tamil Nadu, Gujarat, Rajasthan, M.P, Punjab, Haryana, Western UP and Maharashtra.
- Whereas lower than average of past 9 years avg. in Northern parts of Bihar, Northern W.B. and in parts of Odisha.



FERTILIZER POSITION:

Availability of fertilizer has been found comfortable. Details of Requirement, Receipt, Availability, Sales and Stock position of Major Fertilizers (Urea, DAP, MOP, Complex and SSP) during Rabi 2024 as on 13.12.2024 is given below:

Product	Total Requirement Rabi 2024-25	Total Requirement Rabi 2023-24	Opening stock as on 1.10.24	Opening stock as on 1.10.23	Requirement during January, 2025	Requirement during January, 2024	(As on 17/1/25)			(As on 15/1/24)		
							Availability	Sales	Closing stock	Availability	Sales	Closing stock
UREA	186.89	185.41	63.02	45.02	31.63	31.82	70.32	8	45.14	78.06	1	60.14
DAP	52.05	54.99	12.23	21.76	4.20	4.75	10.22	2.12	8.10	15.35	2.15	13.21
MOP	11.95	12.60	7.33	5.06	1.66	1.72	10.02	0.99	9.03	7.29	0.57	6.72
NPK	77.10	63.60	35.94	33.25	10.32	8.61	28.52	6.05	22.47	35.86	4.15	31.71
SSP	36.48	31.24	21.76	16.47	4.41	4.22	18.75	1.92	16.83	15.19	0.97	14.22
TOTAL	364.47	347.84	140.29	121.55	52.22	51.11	137.83	36.2	101.56	151.75	4	126.00

- The above data indicates that the availability of Urea, MOP, Complexes and SSP is comfortable.
- In case of DAP, The opening stock of Rabi 2024-25 as compared to the opening stock of Rabi 2023-24 is less by 9.53 LMT
- As on 17th January, 2025 the availability of DAP is 10.22 LMT against the requirement of 4.20 LMT during the ongoing Rabi 2024-25 season.

PEST & DISEASE

- Overall intensity of pests and diseases remained below Economic Threshold Level (ETL) except:

<i>Crop</i>	<i>State</i>	<i>District/ Sub District/ Village</i>	<i>Source</i>	<i>Pest/ Disease</i>	<i>Intensity</i>	<i>Action Taken</i>
					<i>Area infested/Infected above *ETL (ha)</i>	
Coconut	Tamil Nadu	Thekkupattu, Ambalur (Natrampalli block), Pethakallupalli, Chinnamuthur (Jolarpet block), Uthayendram (Alangayam block) & Byrapalli (Madhanur block)	Surveyed by CIPMC/ State Agri. Deptt.	Black Headed Caterpillar (<i>Opisina arenosella</i>)	27 ha.-Near ETL & 7 ha. - Low to Moderate	<p>Pest incidence was reported on 06.01.2025</p> <p>CIPMC Trichy conducted joint survey along with the State Agricultural Department in Thirupathur district of Tamil Nadu” on 06.01.2025 and submitted the report on 08.01.2025.</p> <p>Advisory issued by the survey team to the farms.</p> <p>Regular monitoring is being carried out by all field functionaries as follow up action.</p> <p>Action has been taken up for Coconut Black Headed Caterpillar management with State Department of Horticulture, Thirupathur District and instructed to disseminate to undertake control measures given by CIPMC, Trichy.</p> <p>-Also, it has been published through Newspapers and other medias.</p> <p>Distributed Leaflets to farmers prepared by CIPMC, Trichy</p> <p>-Farmers were advised to take up control measures in synchronised manner.</p>

RABI HORTICULTURE (As on 16th Jan, 2025)

Onion: 7.70 lakh ha area has been sown in 2024-25 as compared to all India total area sown of 6.97 lakh ha in 2023-24.

Potato: 19.71 lakh ha area has been sown in 2024-25 as compared to all India total area sown of 19.32 lakh ha in 2023-24.

Tomato: 1.96 lakh ha area has been sown in 2024-25 as compared to all India total area sown of 1.51 lakh ha in 2023-24.

PRICES

- Mandi prices of Rice (0.52%), Masur (1.72%), Moong (5.48%), Urad (0.33%), Groundnut (3.75%) and Sunflower (11.47%) have increased week-on-week and prices of Wheat (1.12%), Tur (3.44%), Gram (2.11%), Mustard (1.54%), Soybean (0.27%) and Sesamum (0.82%) have decreased week-on-week.
- All India **retail** prices of Wheat (0.43%) and Soya bean (0.40%) increased week-on-week and prices of Rice (1.06%), Tur (1.18%), Gram (0.34%), Masur (0.41%), Moong (0.16%), Urad (0.24%) and Mustard (0.11%) have decreased week-on-week.
- Mandi prices and Retail prices of Onion, Potato and Tomato have decreased week-on-week.

PROCUREMENT

- Kharif Marketing Season (KMS) 2024-25 is progressing smoothly in various procuring states and up to 19.01.2025, **394.88** LMT of paddy in terms of Rice has been procured against previous season's corresponding procurement of **390.61** LMT.
- Procurement period in Rabi Marketing Season (RMS) 2024-25 is over in all procuring states and a quantity of 266.05 LMT of wheat has been procured whereas procurement in the previous marketing season (RMS 2023-24) was 261.97 LMT.
- Actual stock of Rice & Wheat together was 475.03 LMT against buffer norm of 307.70 LMT.

All India Procurement of Paddy/Rice during KMS 2024-25 vis-a-vis KMS 2023-24
Up to 19.01.2025 (Figures in LMT)

Crop	Rice Procurement Estimates during KMS 2024-25 (Estimates in terms of Paddy)	Cumulative Paddy procurement during KMS 2024-25	Cumulative Corresponding Paddy procurement in KMS 2023- 24	Cumulative procurement in terms of Rice during KMS 2024- 25 (Percentage of target achieved)	Cumulative Corresponding procurement in terms of Rice in KMS 2023-24
Kharif	492.11 (734.49)	588.76	582.35	394.88 (80.24%)	390.61

(Source: FCI Daily Bulletin)
