

All India Coordinated Research Project on Agrometeorology

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Daily Crop Weather Information as on 31 October 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Conditions are becoming favourable for commencement of Northeast Monsoon rains over coastal Tamilnadu & Puducherry and south coastal Andhra Pradesh during next 24 hours. Northeast monsoon rainfall very likely to extend over rest of Tamilnadu, south interior Karnataka, Kerala and Rayalaseema during subsequent 48 hours.
- A Western Disturbance as an upper air cyclonic circulation lies over Iran between 3.1 & 5.8 km above mean sea level with trough aloft with its axis at 5.8 km above mean sea level runs roughly along Long. 58°E to the north of Lat.28°N. Under its influence scattered to fairly widespread precipitation very likely over western Himalayan region between 1 to 3 November and isolated rainfall over northern parts of Punjab and Haryana on 1st and 2nd November.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall observed (from 0830 hours IST of yesterday to 0830 hours IST of today): Rain/thundershowers observed at isolated places over Odisha, Gangetic West Bengal, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Tamilnadu & Puducherry.
- Maximum temperature departures as on 30.10.2018: Maximum temperatures were appreciably below normal (3.1°C to 5.0°C) at many places over Gangetic West Bengal; at a few places over Odisha; below normal (1.6°C to 3.0°C) at many places over Nagaland, Manipur, Mizoram & Tripura; and at isolated places over Assam & Meghalaya and Andaman & Nicobar Islands. They were appreciably above normal (3.1°C to 5.0°C) at a few places over Lakshadweep and Tamilnadu & Puducherry; and at isolated places over Jammu & Kashmir and Konkan & Goa; above normal (1.6°C to 3.0°C) at most places over Kerala; at many places over West Rajasthan, Saurashtra & Kutch, Sub Himalayan West Bengal & Sikkim, Rayalaseema, Coastal Andhra Pradesh and Coastal & South interior Karnataka; and at isolated places over

East Madhya Pradesh, Telangana, Vidarbha, North interior Karnataka, Punjab, Uttarakhand, East Uttar Pradesh and Bihar and near normal over rest of the country.

- The highest maximum temperature of 38.4°C was recorded at Phalodi (West Rajasthan) over plains of the country.
- Minimum temperature departures as on 31.10.2018: Minimum temperature are appreciably above normal (3.1°C to 5.0°C) at isolated places over West Rajasthan and Andaman & Nicobar Islands; above normal (1.6°C to 3.0°C) at many places over Nagaland, Manipur, Mizoram & Tripura, Jammu & Kashmir and Punjab; at a few places over West Madhya Pradesh, Bihar and Tamilnadu & Puducherry; and at isolated places over East Rajasthan and East Madhya Pradesh. They are appreciably below normal (3.1°C to 5.0°C) at a few places over Lakshadweep, Konkan & Goa, Marathwada and Coastal & South Interior Karnataka; below normal (1.6°C to 3.0°C) at many places over North interior Karnataka and Telangana; at a few places over Saurashtra & Kutch, Madhya Maharashtra and Himachal Pradesh; at isolated places over West Uttar Pradesh and near normal over rest of the country.
- The lowest minimum temperature of 11.3°C recorded at Bhilwara (East Rajasthan) over plains of the country.

Weather Warning during next 5 days (IMD)

- 31 October (Day 1): Heavy rain very likely at isolated places over coastal areas of Tamilnadu & Puducherry.
- 01 November (Day 2): Heavy rain very likely at isolated places over Tamilnadu & Puducherry and Kerala. Thunderstorm accompanied with hail very likely at isolated places over Jammu & Kashmir and Himachal Pradesh.
- 02 November (Day 3): Thunderstorm accompanied with hail very likely at isolated places over Jammu & Kashmir and Himachal Pradesh.
- 03 November (Day 4): No Weather warning.
- 04 November (Day 5): No Weather warning.

Agricultural activities (AICRPAM-CRIDA)

Western Uttar Pradesh

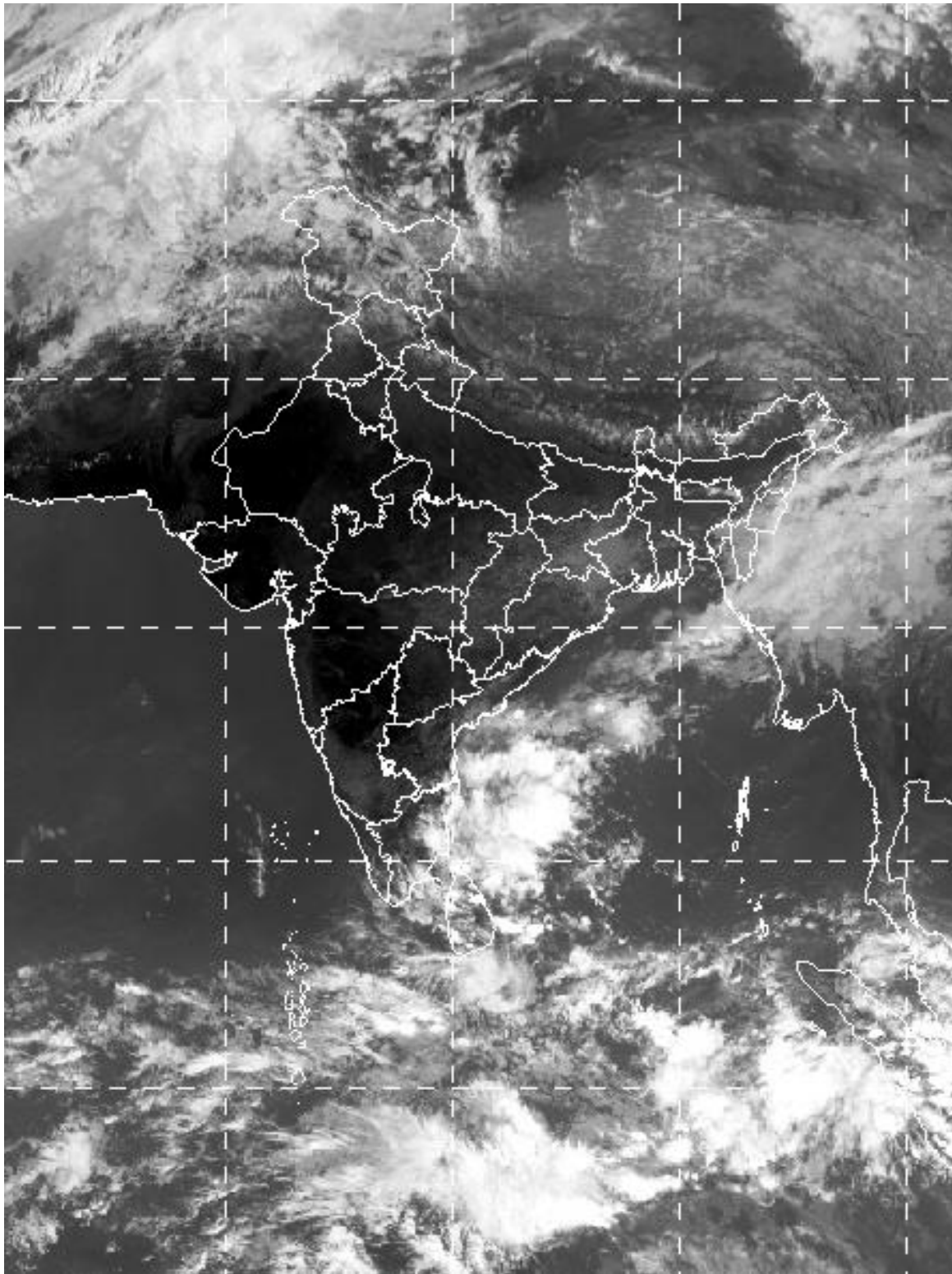
Weather condition

Dry weather prevailed in Western Uttar Pradesh region of Uttar Pradesh state past few days.

Contingency measure:

- Paddy: Irrigation should be taken up in late planting crop. Look for incidence of Army worm and Gundhibug if seen spray Malathion dust 5% @ 20-25 kg for Gundhibug and Army worm used . Harvesting mature crop. Sorghum Flowering/ Milking Watchful from birds and for control measure of Ear head mite in jowar spray, Fenitrothian 50 EC or Quinalphos 25 EC, 2.0 lt. /ha with 500 to 600 lt. of water. Pearl millet Maturity Harvest mature crop and watchful from birds.
- Wheat: Sowing of rain-fed wheat varieties such as K-8027, K-8962, K-9465, K-9351, HDR-77, HD-2888 and K-9644 and recommend Durum varieties such as Meghdoot, Vijaya , GW-2, HD-4672 and Sujata. Arrangement of seed and fertilizer for irrigated wheat. Barley :Sowing of barley varieties viz., Joty K-572/10, Azad K-125, K-141, Priti K-409 Lakhan RS-6 , K-603 and K 1149 using 100 kg seed/ ha.
- Pigeon pea: If seen leaf roller spray Quinalphos 25 EC, 2.0 lt. /ha with 500 to 600 lt. of water.
- Gram: Used treated seed of gram varieties such as KWR-108, Radhey, JG-16, K-850, WCG-1, 2 and KGD-1168 for sowing. Pea: Sowing of pea varieties such as KPMR-400, KFPD-103, JP-885, IPF-99-25, IPFD-99-13 and KPMR-522 with 100 kg of treated seed per ha and sowing should try to be completed in this week.
- Lentil: Sowing with lentil varieties viz; IPL-81, K-75, KLS-218, IPL-406, Shekhar-3 and Shekhar-2. Toria: Weeding and thinning should be completed and top dressed remaining dose of Urea at optimum moisture and clear weather condition . Irrigation should be given after 30 days of sowing.
- Mustard: Continues sowing should be done by any one from these varieties such as Varuna (T-59), Basanti, Rohini, Maya, Urbashi, NDR-8501, Vaibhav, CS-52 and CS-54 with 60 : 60: 60 and 40 kg NPK and S, respectively at the time of sowing. Used 3.0 lt. Pendimethlin with 600lt. water solution with in 72 hrs after sowing.
- Brinjal / Chilies: Transplanting should be done with new seedlings. Pick up mature fruits from standing crop, watching insect & pest, if need apply recommended dose of insecticide.
- Leafy Vegetable: Cutting , marketing . Drain out excess water. Potato :Sowing of medium duration varieties such as K. sheetman, K. Sinduri, Chipsona-1 and 2. Potato seed should be keep out from cold storage, before 7-10 days of sowing. Barseem: Sowing of varieties, viz.; T-5, T-26, T-9, T-780 and Maiskavi and moisture should be apply as per need
- Animal: Balanced diet should be given for milch animal with 50% green fodder. Common diseases of animals are Anthrax (high fever and enlargement of spleen),

the others are Gala Ghotu (respiratory trouble and Surra (Sudden death of animals after restlessness). The routine immunization of animals becomes necessary since disease decrease milk production capacity among milch.



**Figure: 1. Latest available satellite picture as on 31 October 2018 at 0230 Hrs (IST).
(Source: IMD).**