

# **All India Coordinated Research Project on Agrometeorology**

## **CRIDA, Santoshnagar, Hyderabad – 500 059**

### **Daily Crop Weather Information as on 28 November 2018**

**Attention: Rajiv Maheshwari, OSD, ICAR**

#### **Significant Weather Features (IMD)**

- The current Western Disturbance in combination with the Sub-Tropical Westerly Jet is likely to cause isolated to scattered rain/snow over Jammu & Kashmir, Himachal Pradesh and Uttarakhand during next 24 hours.
- Feeble troughs in easterlies are likely to cause scattered to fairly widespread rainfall over Andaman & Nicobar Islands and isolated to scattered rainfall over Tamilnadu & Puducherry, Kerala and Lakshadweep during 29th November-2nd December.
- Minimum temperatures are likely to fall by 2-3°C over northwest India & adjoining central India during next 24 hours. No significant change in minimum temperatures likely over remaining parts of the country during next 3 days. They are likely to fall by 2-3°C over parts of northern plains & east India thereafter.
- Shallow to moderate fog in the morning hours at isolated places are likely over northeast India during next 4-5 days and at isolated pockets over parts of northwest India during next 2 days.
- 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 Tamilnadu & Puducherry and Lakshadweep.
- Maximum temperature departures as on 27-11-2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Konkan & Goa; at isolated places over Saurashtra & Kutch and above normal (1.6°C to 3.0°C) at most places over Jammu & Kashmir, Uttarakhand, West Madhya Pradesh, Vidarbha, Marathawada, Bihar, Assam & Meghalaya; at many places over Haryana, Chandigarh & Delhi, Himachal Pradesh, West Uttar Pradesh, East Madhya Pradesh; at a few places over East Rajasthan, Sub-Himalayan West Bengal & Sikkim, Kerala and at isolated places over Chhattisgarh, Odisha, Madhya Maharashtra, Gujarat

Region, North Interior Karnataka, Telangana, Rayalaseema, Tamilnadu & Puducherry and Andaman & Nicobar Islands. They were below normal (-1.6°C to -3.0°C) at isolated places over Gangetic West Bengal and near normal over rest parts of the country.

- The highest maximum temperature of 33.8°C was recorded at Amreli and Rajkot (Saurashtra & Kutch) over the plains of the country.
- Minimum temperature departures as on 28-11-2018: Minimum temperatures are markedly above normal (5.1°C or more ) at most places over Punjab; appreciably above normal (3.1°C to 5.0°C) at most places over Himachal Pradesh, Jammu & Kashmir, Uttarakhand and Haryana, Chandigarh & Delhi; at many places over Gujarat State and West Rajasthan; above normal (1.6°C to 3.0°C) at most places over West Madhya Pradesh, Odisha, and West Uttar Pradesh; at many places over Bihar; at a few places over Gangetic West Bengal, East Uttar Pradesh and Andaman & Nicobar Islands and at isolated places over Sub-Himalayan West Bengal & Sikkim. They are below normal (-1.6°C to -3.0°C) at a most places over Nagaland, Manipur, Mizoram & Tripura and Vidarbha; at many places over Chhattisgarh and Marathawada; at a few places over Madhya Maharashtra, Rayalaseema and North Interior Karnataka and at isolated places over Konkan & Goa, East Madhya Pradesh, Coastal Karnataka, Telangana, Tamilnadu & Puducherry and Kerala and near normal over rest of the country.
- The lowest minimum temperature of 5.6°C recorded at Mandla (East Madhya Pradesh) over the plains of the country.

#### **Weather Warning during next 5 days (IMD)**

- 28 November (Day 1): No weather warning.
- 29 November (Day 2): Heavy rain at isolated places very likely over South Coastal Tamilnadu.
- 30 November (Day 3): No weather warning.
- 01 December (Day 4): No weather warning.
- 02 December (Day 5): No weather warning.

## Agricultural activities (AICRPAM-CRIDA)

### West Uttar Pradesh

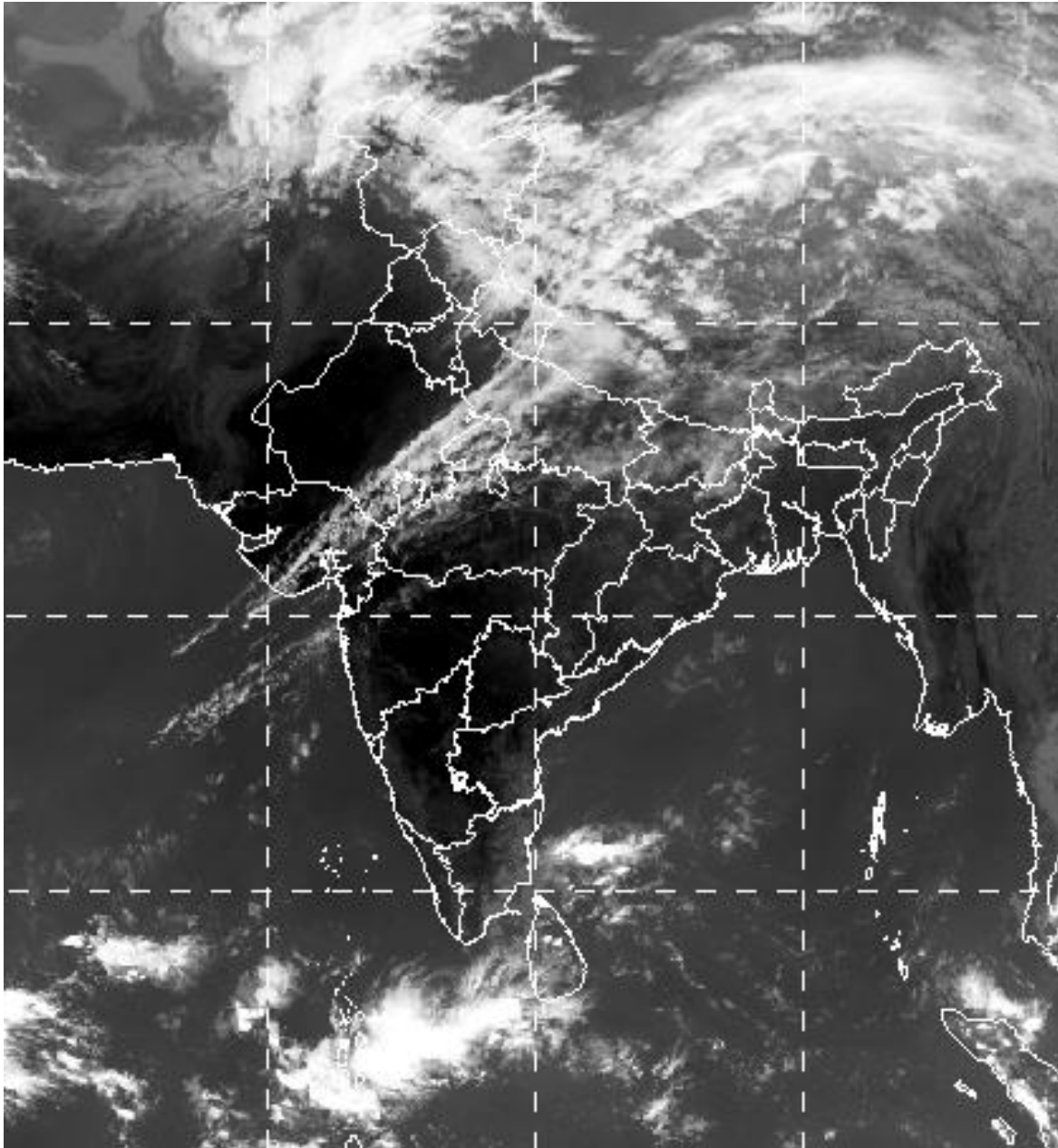
#### Weather condition

Dry weather prevailed in West Uttar Pradesh region of Uttar Pradesh state during past few days. Maximum temperature is above normal by 1.0 °C to its normal and minimum temperature is near to its normal.

#### Contingency measure:

- Wheat: Timely sown wheat varieties should be completed soon. Recommended varieties of wheat at irrigated condition such as K-0307 , DBW-17, PBW-443, HD-2824, DBW-39,CBW-38 and HUW-510 with 100 kg/ha of seed and 120 :60:60 kg /ha fertilizer. Treated seed should be used.
- Barley: Sowing of barley varieties viz., K-572, K-125, K-141, K-560, K-409, K-287 , K-329 , NDB-209 and NDB-1020, using 80 kg seed/ ha in irrigated condition at optimum moisture condition.
- Rabi maize: Sowing of rabi maize with suitable composite varieties as Dhawal, Shradamani and Shakti-1 and for Pop corn Amber, BL Amber and Pearl and for sweet corn Madhuri, Priya and for Baby corn BL-42, Prakash and HM-4 with 20-22 kg seed per hectare.
- Pigeon pea: If seen leaf roller spray Qunalphas 25 EC, 2.0 lt. /ha with 500 to 600 lt. of water.
- Gram: Used treated seed of gram varieties such as KWR-108, G gram-4, RSG-936, WCG-2, Uday and pant G-186 for sowing and for Kabuli JGK-1, Subhra and Ujjaival with 75-80 Kg/ha for small seeds and 90-100 kg/ha for bold seed.
- Pea: Weeding should be taken up. Lentil: Sowing with lentil varieties viz; IPL-406, IPL-81, K-75, HUL-57,KLS-218, Shekhar-3 and Shekhar-2 with 40-50 kg/ha seed.
- Toria: Light irrigation should be taken up. Mustard: Weeding and thinning should be taken up. Linseed : Weeding and hoeing can be taken up.
- 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: Sowing, Cutting and marketing. 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: First cutting should be taken up after cutting irrigate the field and top dressed 20 kg urea/ acre.
- Animal / Birds : Protect from cold at night specially on Calves. 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 animals if need concerned near Veterinary hospital.



**Figure: 1. Latest available satellite picture as on 28 November 2018 at 0230 Hrs (IST).  
(Source: IMD).**