

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

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

### **Daily Crop Weather Information as on 10 October 2019**

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

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

- In view of the persistence of an anti-cyclonic circulation in the lower tropospheric level over northwest India, gradual reduction in moisture in the lower & mid-tropospheric levels and reduction in rainfall, southwest monsoon has withdrawn from some parts of Punjab, Haryana and north Rajasthan yesterday, the 09th October, 2019.
- Conditions are becoming favourable for further withdrawal of southwest monsoon from some more parts of northwest India during next 2 days and from remaining parts of northwest India and adjoining Central India during subsequent 2-3 days.
- Scattered to fairly widespread rainfall with isolated heavy falls likely over peninsular India during next 24 hours.
- Thunderstorms accompanied with lightning is also likely over east and peninsular India during next 48 hours.
- The images showing the latest satellite picture in figure. 1

#### **Main Weather Observations (IMD)**

- Rain/Thundershowers observed (from 0830 hours IST to 1730 hours IST of yesterday): at many places over North Interior Karnataka and Gangetic West Bengal; at a few places over Jammu & Kashmir, Himachal Pradesh, Chhattisgarh, Madhya Maharashtra, Rayalaseema, Odisha and Nagaland, Manipur, Mizoram & Tripura and at isolated places over Uttarakhand, West Madhya Pradesh, Konkan & Goa, Coastal & South Interior Karnataka, Telangana, Vidarbha, Coastal Andhra Pradesh & Yanam, Jharkhand, Assam & Meghalaya and Arunachal Pradesh. Rainfall recorded at 1730 hours IST of yesterday (2 cm or more) were: Digha-10; Kolkata-6; Sholapur and Belgaum-3 each; Mahabaleshwar, Keonjhar, Baripada, Haldia and Itanagar-2 each. Heavy rainfall observed at isolated places over Gangetic West Bengal. Thunderstorm observed (from 2030 hours IST of yesterday to 0530 hours IST of today): at isolated places over Madhya

Maharashtra, Telangana, North Interior Karnataka, Kerala, Coastal Andhra Pradesh, Odisha, Gangetic West Bengal and Assam & Meghalaya.

- Maximum temperature departures as on 09-10-2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Kerala & Mahe; above normal (1.6°C to 3.0°C) at most places over Nagaland, Manipur, Mizoram & Tripura; at a few places over Konkan & Goa, Coastal Karnataka, Rayalaseema and Coastal Andhra Pradesh & Yanam; at isolated places over Tamil Nadu, Puducherry & Karaikal. They were markedly below normal (-5.1°C or less) at isolated places over Himachal Pradesh; appreciably below normal (-3.1°C to -5.0°C) at a few places over Coastal Karnataka; at isolated places over Jharkhand and Odisha; below normal (-1.6°C to -3.0°C) at many places over East Rajasthan; at a few places over Jammu & Kashmir, Punjab, Haryana, Chandigarh & Delhi, Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Assam & Meghalaya and Arunachal Pradesh; at isolated places over Uttarakhand, West Rajasthan, Bihar and Marathwada and near normal over rest of the country.
- Minimum temperature departures as on 09-10-2019: Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Jammu & Kashmir, Sub-Himalayan West Bengal & Sikkim and West Uttar Pradesh; above normal (1.6°C to 3.0°C) at a few places over East Rajasthan, Gujarat, West Madhya Pradesh, Rayalaseema, Kerala & Mahe and Andaman & Nicobar Islands; at isolated places over Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, East Madhya Pradesh, Vidarbha, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana and Tamilnadu, Puducherry & Karikal. They were appreciably below normal (-3.1°C to -5.0°C) at isolated places over Assam & Meghalaya and East Uttar Pradesh; below normal (-1.6°C to -3.0°C) at isolated places over Odisha, Gangetic West Bengal, Konkan & Goa and South Interior Karnataka and near normal over rest parts of the country.

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

- 10 October (Day 1): Heavy rainfall very likely at isolated places over Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe. Thunderstorm accompanied with lightning very likely at isolated places over Chhattisgarh, Jharkhand, West Bengal & Sikkim, Odisha, Madhya Maharashtra, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.

- 11 October (Day 2): Heavy rainfall likely at isolated places over Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe. Thunderstorm accompanied with lightning likely at isolated places over Madhya Maharashtra, Marathwada and Konkan & Goa.
- 12 October (Day 3): Heavy rainfall likely at isolated places over South Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe. Thunderstorm accompanied with lightning likely at isolated places over Marathwada.at a few places over Madhya Maharashtra and Telangana and at isolated places over Nagaland, Manipur, Mizoram & Tripura, Odisha, Coastal Andhra Pradesh, Rayalaseema, Telangana, Kerala & Mahe, Konkan & Goa, Madhya Maharashtra, Interior Karnataka, Jammu & Kashmir, Himachal Pradesh and Uttarakhand.
- 13 October (Day 4): Heavy rainfall likely at isolated places over South Interior Karnataka and Kerala & Mahe.
- 14 October (Day 5): Heavy rainfall likely at isolated places over Coastal & South Interior Karnataka , North coastal Andhra Pradesh and Kerala & Mahe.
- The weather outlook for the period of seven days i.e., 09 to 17 October 2019 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) rain/thundershower may occur over entire South Peninsular India. (Fig. 2).

## **Agricultural activities (AICRPAM-CRIDA)**

### **Eastern Uttar Pradesh**

#### **Weather condition:**

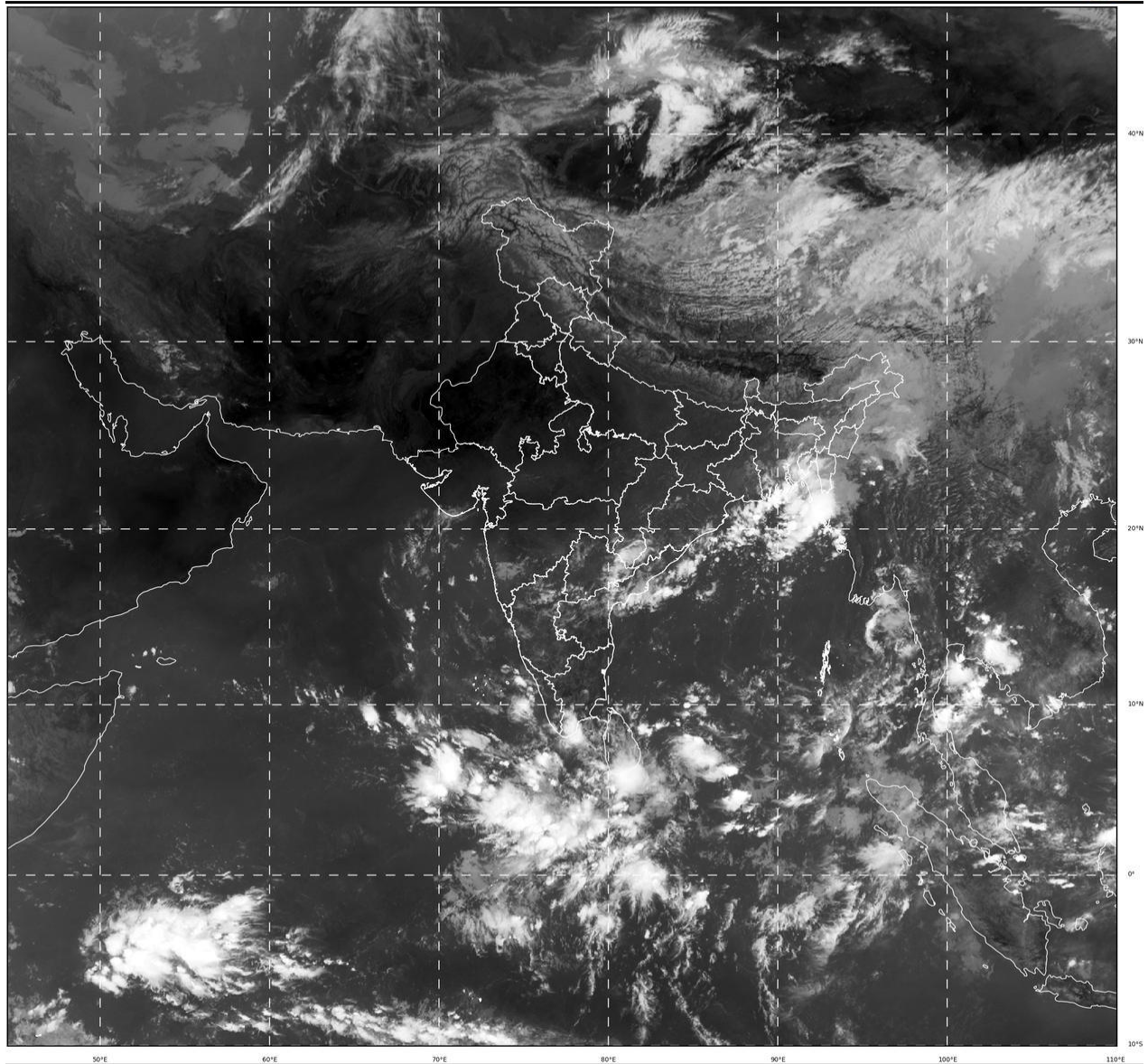
Light rainfall is received in Eastern Uttar Pradesh region during past few days. The maximum temperature was ranged between 25-32°C and minimum temperature was ranged between 20-25°C.

#### **Contingency measure:**

- Looking no rainfall in the forecast, farmers are advised for thinning of toria
- If not sown, then advised for their sown very soon with improved varieties like Type -9, T-36, Bhanwani etc.
- Farmers are advised for dusting of malathion 5% or Lindane 1-3% @ 20-25 kg/ha against the attack of gundhi bug in rice
- They are advised for spraying of Zinc Magnese carbonate or Ziram -80 @ 2kg/ha dissolved in 800-1000 litre of water for control of brown spot in rice

SAT : INSAT-3DR IMG  
IMG\_TIR2 12.0 um  
LIC Mercator

10-10-2019/(0445 to 0511) GMT  
10-10-2019/(1015 to 1041) IST

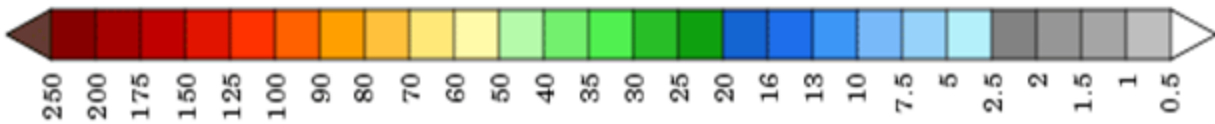
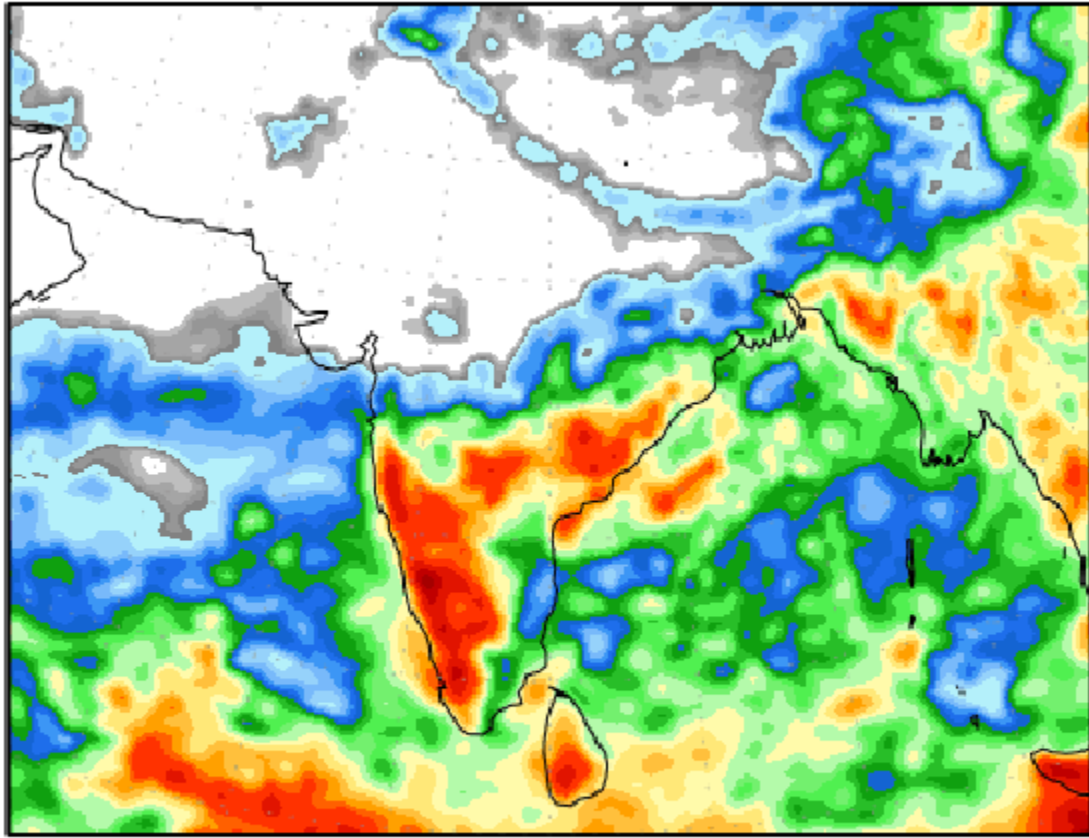


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924

IMD, DELHI

**Figure: 1. Latest available satellite picture as on 10 October 2019 at 10:30 Hrs (IST).  
(Source: IMD).**



**Figure:2. Precipitation forecast for 09 to 17 October 2019 (Source: NOAA NCEP).** *Disclaimer: The predictability of weather depends on many factors which are dynamic in nature. The success of Agromet advisories provided here depends on the accuracy of the forecasts. In no event will India Meteorological Department (IMD) and Indian Council of Agricultural Research (ICAR) be liable to the user or to any third party for any direct, indirect, incidental, consequential, special or exemplary damages or lost profit resulting from any use or misuse of the information on this bulletin.*