

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

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

### **Daily Crop Weather Information as on 08 August 2018**

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

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

- The Depression over north interior Odisha and neighbourhood moved west northwestwards and weakened into a well marked low pressure area and lies over north Chhattisgarh and neighbourhood in the morning hours of today. Associated cyclonic circulation extends upto 7.6 km above mean Sea level, tilting southwards with height. The system is likely to move west northwestwards and weaken further during the next 48 hours. Subsequently western part of the monsoon trough is likely to shift northwards.
- Under the above scenario, fairly widespread to widespread rainfall with isolated heavy to very heavy falls is very likely over Chhattisgarh during next 24 hours and over Madhya Pradesh and East Rajasthan during next 3 days. Fairly widespread to widespread rainfall with isolated heavy to very heavy falls likely over Uttar Pradesh, Uttarakhand and Himachal Pradesh during 10th to 12th August.
- Rough to very rough Sea conditions are likely to prevail over west & east central Arabian Sea during next 3 days.
- Heavy to very heavy rain occurred at isolated places over Odisha, East Madhya Pradesh, Chhattisgarh and Kerala and heavy over Haryana, Chandigarh & Delhi, Assam & Meghalaya, Coastal & South Interior Karnataka and Tamilnadu from 0830 hours IST of yesterday to 0830 hours IST of today.
- 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 most places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Chhattisgarh, Jharkhand, East Madhya Pradesh, Gangetic West Bengal, Odisha, Nagaland, Manipur, Mizoram & Tripura, coastal & South Interior Karnataka and Kerala; at many places over Konkan & Goa, Lakshadweep, Andaman & Nicobar Islands, North Interior Karnataka, coastal Andhra Pradesh, Telangana, East Uttar Pradesh, Arunachal Pradesh, Assam & Meghalaya, Bihar and Haryana, Chandigarh & Delhi ; at a few places over Vidarbha, Madhya Maharashtra, west Uttar Pradesh, Rayalaseema and West Madhya Pradesh and at isolated places over sub Himalayan West Bengal & Sikkim, Rajasthan and Tamilnadu & Puducherry.

- Maximum temperature departures as on 07.08.2018: Maximum temperatures were above normal (1.6°C to 3.0°C) at most places over Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim; at isolated places over west Rajasthan, Saurashtra & Kutch, West Madhya Pradesh and Kerala; They were appreciably below normal (3.1°C to 5.0°C) at most places over Jammu & Kashmir, Punjab and Himachal Pradesh; and below normal (1.6°C to 3.0°C) at many places over Haryana, Chandigarh & Delhi, Uttarakhand, Chhattisgarh, Odisha and Telangana; at a few places over South Interior Karnataka and Coastal Andhra Pradesh and at isolated places over East Rajasthan and Tamilnadu & Puducherry. The highest maximum temperature of 38.4°C recorded at Phalodi (West Rajasthan) over plains of the country.
- Minimum temperature departures as on 08.08.2018: Minimum temperatures are above normal (1.6°C to 3.0°C) at many places over Arunachal Pradesh, Konkan & Goa and Saurashtra & Kutch; at a few places over Gujarat Region and at isolated places over Jammu & Kashmir, Rajasthan, Bihar, West Madhya Pradesh, Madhya Maharashtra, Coastal Andhra Pradesh and Sub Himalayan West Bengal & Sikkim. They are below normal (1.6°C to 3.0°C) at a few places over Himachal Pradesh and at isolated places over Punjab, Uttar Pradesh, Odisha, South Interior Karnataka and Tamilnadu & Puducherry and near normal over rest of the country.

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

- 08 August (Day 1): Heavy to very heavy rain at isolated places very likely over Madhya Pradesh, Chhattisgarh, Coastal Karnataka & Kerala and heavy rain at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, East Rajasthan, Vidarbha, Tamilnadu, South Interior Karnataka, Telangana, Konkan & Goa, Madhya Maharashtra and Marathwada. Rough to very rough Sea conditions are likely to prevail over west & east central Arabian Sea. Fishermen are advised not to venture into these areas.
- 09 August (Day 2): Heavy to very heavy rain at isolated places very likely over East Rajasthan and West Madhya Pradesh and heavy rain at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, East Madhya Pradesh, Kerala, Coastal Karnataka and Konkan & Goa. Rough to very rough Sea conditions are likely to prevail over west & east central Arabian Sea. Fishermen are advised not to venture into these areas.
- 10 August (Day 3): Heavy to very heavy rain at isolated places very likely over Uttarakhand and heavy rain at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, East Rajasthan, Jammu & Kashmir, Himachal Pradesh, Uttar Pradesh, West Madhya Pradesh and Coastal Karnataka. Rough to very rough Sea conditions are likely to prevail over west & east central Arabian Sea. Fishermen are advised not to venture into these areas.
- 11 August (Day 4): Heavy to very heavy rain with extremely heavy falls at isolated places likely over Uttarakhand; heavy to very heavy rain at isolated places over Himachal Pradesh & East Uttar Pradesh and heavy rain at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal &

Sikkim, Jammu & Kashmir, West Uttar Pradesh, Haryana, Chandigarh & Delhi and Chhattisgarh.

- 12 August (Day 5): Heavy to very heavy rain at isolated places likely over Uttarakhand & East Uttar Pradesh and heavy rain at isolated places over Assam & Meghalaya, Odisha, West Bengal & Sikkim, Jharkhand, Himachal Pradesh, West Uttar Pradesh and Chhattisgarh.
- The weather outlook for the period of seven days *i.e* 08 to 15 August 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Rajasthan, sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Uttar Pradesh, Bihar, Jharkhand, Madhya Pradesh, Chhattisgarh, Odisha, Konkan & Goa, Vidarbha, Madhya Maharashtra, coastal & South Interior Karnataka, North Interior Karnataka, coastal Andhra Pradesh, Telangana, Rayalaseema, Kerala, Tamilnadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and eastern States. (Fig. 2).

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

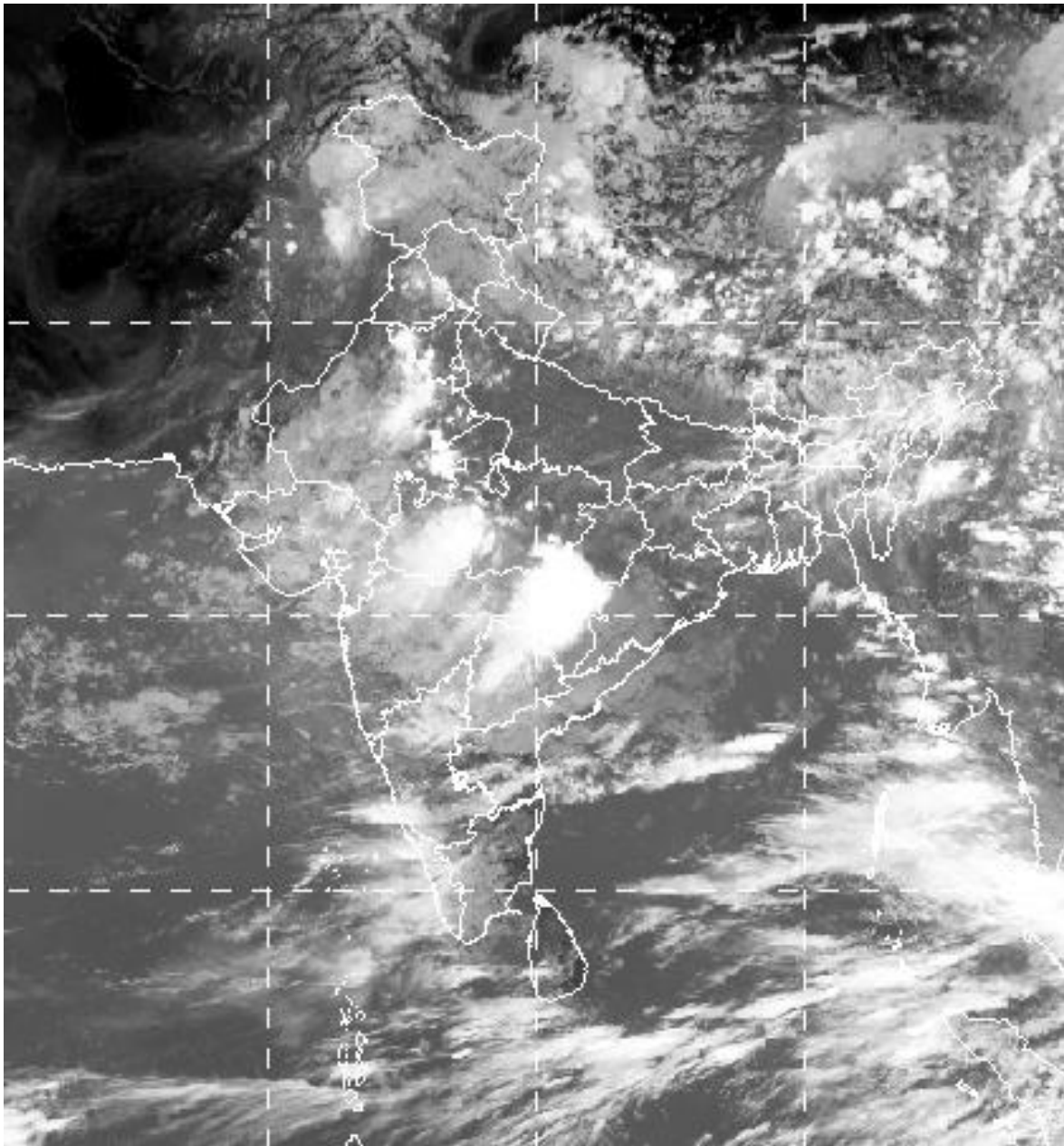
### **East Uttar Pradesh**

#### **Weather condition**

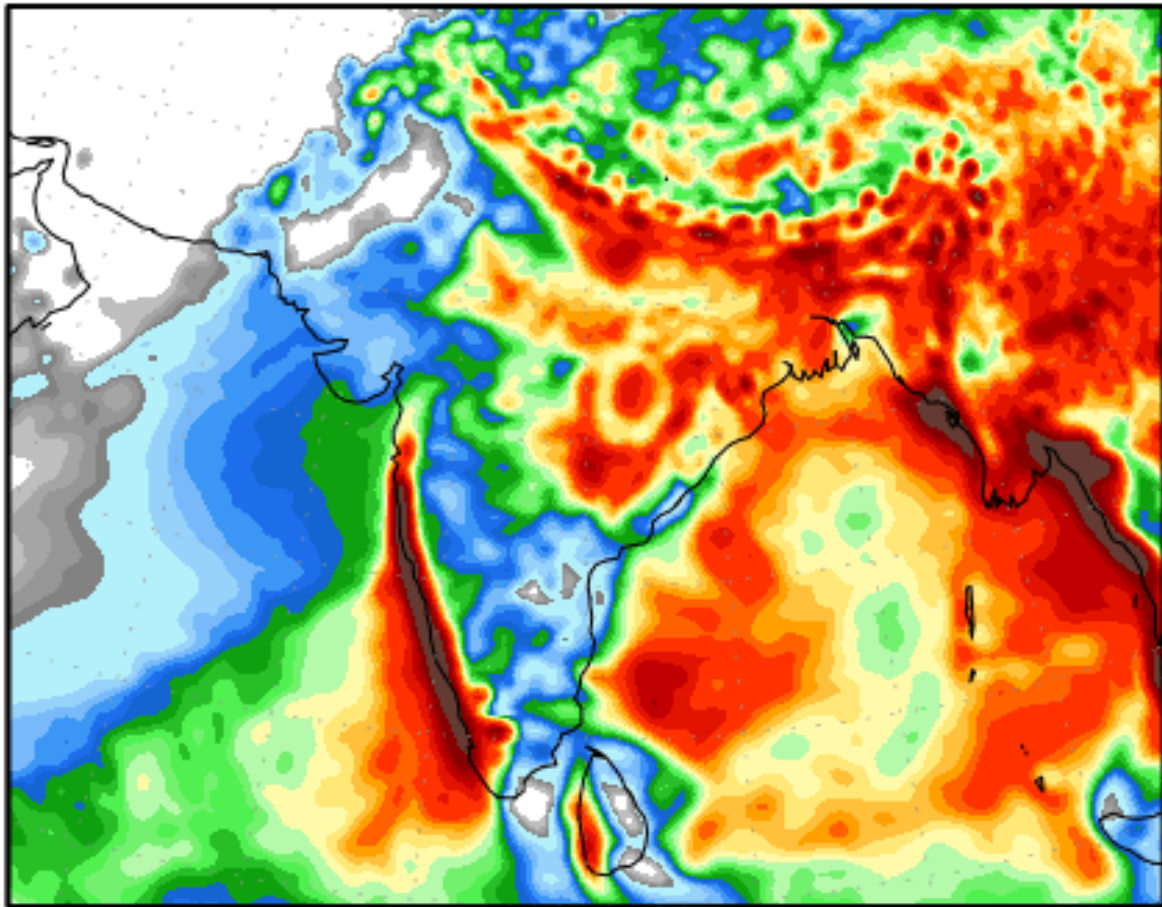
Moderate rainfall received in Eastern Uttar Pradesh region of Uttar Pradesh state during past few days.

#### **Contingency measure:**

- Looking rainfall in the forecast, farmers are advised for transplanting of scented rice very soon. Hand weeding in direct seeded/transplanted rice are going on. After hand weeding, farmers are advised for top dressing of nitrogen fertilizer.
- In scanty/highly deficient areas, farmers are advised for sowing of urd, moong, sesamum, jowar, bajra and also late maturing pigeon pea. There is possibility of kharia disease in rice, hence farmers are advised for foliar spray of 5 kg ZnSO<sub>4</sub>+ 20 kg urea or 2.5 kg hydrated lime dissolved in 800 litre of water/ha.
- Second top dressing of nitrogen fertilizer in maize at silking stage. Thinning may be done in pigeon pea, sesamum and sorghum.
- Plantation of fruit trees may be done. Creation of surface drains at appropriate places to avoid water logging. Divergent drain be made to collect runoff at suitable points either in artificially created or diverting to wells. Drainage of excess water through drainage Channel should be made.



**Figure: 1. Latest available satellite picture as on 08 August 2018 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 08 to 15 August 2018 (Source: NOAA NCEP).**