

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 02 August 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The low pressure area now lies over East Uttar Pradesh and adjoining Bihar. Widespread rainfall with isolated heavy to very heavy falls over parts of East Uttar Pradesh and Bihar is very likely during next 24 hours. Though the low pressure area is likely to become less marked during next 48 hours, associated cyclonic circulation likely to drift further eastward and maintain the rainfall activity over Bihar and West Bengal & Sikkim for 2 more days.
- Widespread rainfall with isolated heavy to very heavy falls are very likely over Assam & Meghalaya and heavy falls over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura during next 2-3 days.
- Rainfall activity is likely to increase over the foothills of the Himalayas and Western Himalayan region during 5th to 7th August due to likely strengthening of moist easterlies. Adjoining northern plains also likely to receive scattered to fairly widespread rainfall during this period.
- Rough to very rough Sea conditions are likely to prevail over West Central Arabian Sea during next 4-5 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 most places over Uttarakhand, East Uttar Pradesh, Bihar, Jharkhand, Chhattisgarh, West Bengal & Sikkim, Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Coastal Karnataka and Kerala; at many places over Konkan & Goa and Coastal Andhra Pradesh; at a few places over Odisha, East Madhya Pradesh, Madhya Maharashtra, interior Karnataka and Andaman & Nicobar Islands; at isolated places over Jammu & Kashmir, Himachal Pradesh, West Uttar Pradesh, West Madhya Pradesh, Gujarat, Vidarbha and Tamilnadu & Puducherry.
- Heavy to very heavy rainfall occurred at isolated places over east Uttar Pradesh and Assam & Meghalaya and heavy rain at isolated places over Arunachal Pradesh and South Interior Karnataka from 0830 hours IST of yesterday to 0830 hours IST of today.

- Maximum temperature departures as on 01.08.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Coastal Andhra Pradesh; at isolated places over Vidarbha, Telangana and Tamilnadu; above normal (1.6°C to 3.0°C) at most places over Gujarat region and Vidarbha; at many places over Himachal Pradesh, West Rajasthan, Marathwada, Telangana and Rayalaseema; at a few places over West Madhya Pradesh and Saurashtra & Kutch; at isolated places over Jammu & Kashmir, Uttarakhand, Haryana, East Rajasthan, Konkan & Goa, Madhya Maharashtra, Tamilnadu and Coastal Andhra Pradesh. They were appreciably below normal (3.1°C to 5.0°C) at many places over East Uttar Pradesh; at a few places over Gangetic West Bengal and Chhattisgarh; at isolated places over Himachal Pradesh, West Uttar Pradesh and East Uttar Pradesh; below normal (1.6°C to 3.0°C) at a few places over Bihar, Jharkhand and Odisha; at isolated places over Uttarakhand, West Bengal & Sikkim and Kerala. yesterday, the highest maximum temperature of 39.8°C recorded at Ganganagar (West Rajasthan) over the plains of the country.
- Minimum temperature departures as on 02.08.2018: Minimum temperatures are above normal (1.6°C to 3.0°C) at a few places over Punjab, Konkan & Goa and Rayalaseema; at isolated places over Haryana, Chandigarh & Delhi, Gujarat, south Coastal Andhra Pradesh and Tamilnadu & Puducherry. They are appreciably below normal (3.1°C to 5.0°C) at a few places over east Uttar Pradesh and below normal (1.6°C to 3.0°C) at a few places over Jammu & Kashmir and Himachal Pradesh; at isolated places over Madhya Pradesh, West Uttar Pradesh, Odisha and Gangetic West Bengal and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 02 August (Day 1): Heavy to very heavy rain at isolated places very likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Bihar and East Uttar Pradesh; heavy rain over Arunachal Pradesh, West Bengal & Sikkim, Jharkhand, West Uttar Pradesh, Uttarakhand, East Madhya Pradesh, Konkan & Goa, Chhattisgarh, Coastal Andhra Pradesh and Coastal & South Interior Karnataka.
- 03 August (Day 2): Heavy to very heavy rain at isolated places very likely over Assam & Meghalaya; heavy rain over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Bihar, East Uttar Pradesh, Uttarakhand, East Madhya Pradesh, Konkan & Goa and Coastal Karnataka.
- 04 August (Day 3): Heavy to very heavy rain at isolated places very likely over Nagaland, Manipur, Mizoram & Tripura; heavy rain over Assam & Meghalaya, East Uttar Pradesh, Uttarakhand, Konkan & Goa, and Coastal Karnataka.
- 05 August (Day 4): Heavy to very heavy rain at isolated places very likely over Uttarakhand; heavy rain over Assam & Meghalaya, Gangetic West Bengal, Jharkhand, East Uttar Pradesh, Himachal Pradesh and Konkan & Goa.
- 06 August (Day 5): Heavy to very heavy rain at isolated places very likely over Uttarakhand; heavy rain over Gangetic West Bengal, Odisha, Jharkhand, Uttar Pradesh, Haryana,

Chandigarh & Delhi, Himachal Pradesh, Chhattisgarh, Coastal & South Interior Karnataka and Kerala.

- The weather outlook for the period of seven days *i.e* 02 to 09 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, Uttar Pradesh, West Bengal & Sikkim, Bihar, Jharkhand, Madhya Pradesh, Chhattisgarh, Odisha, Gujarat, Vidarbha, Konkan & Goa, Madhya Maharashtra, Coastal Andhra Pradesh, interior Karnataka, Coastal Karnataka, Kerala, Tamilnadu & Puducherry and eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

West Uttar Pradesh

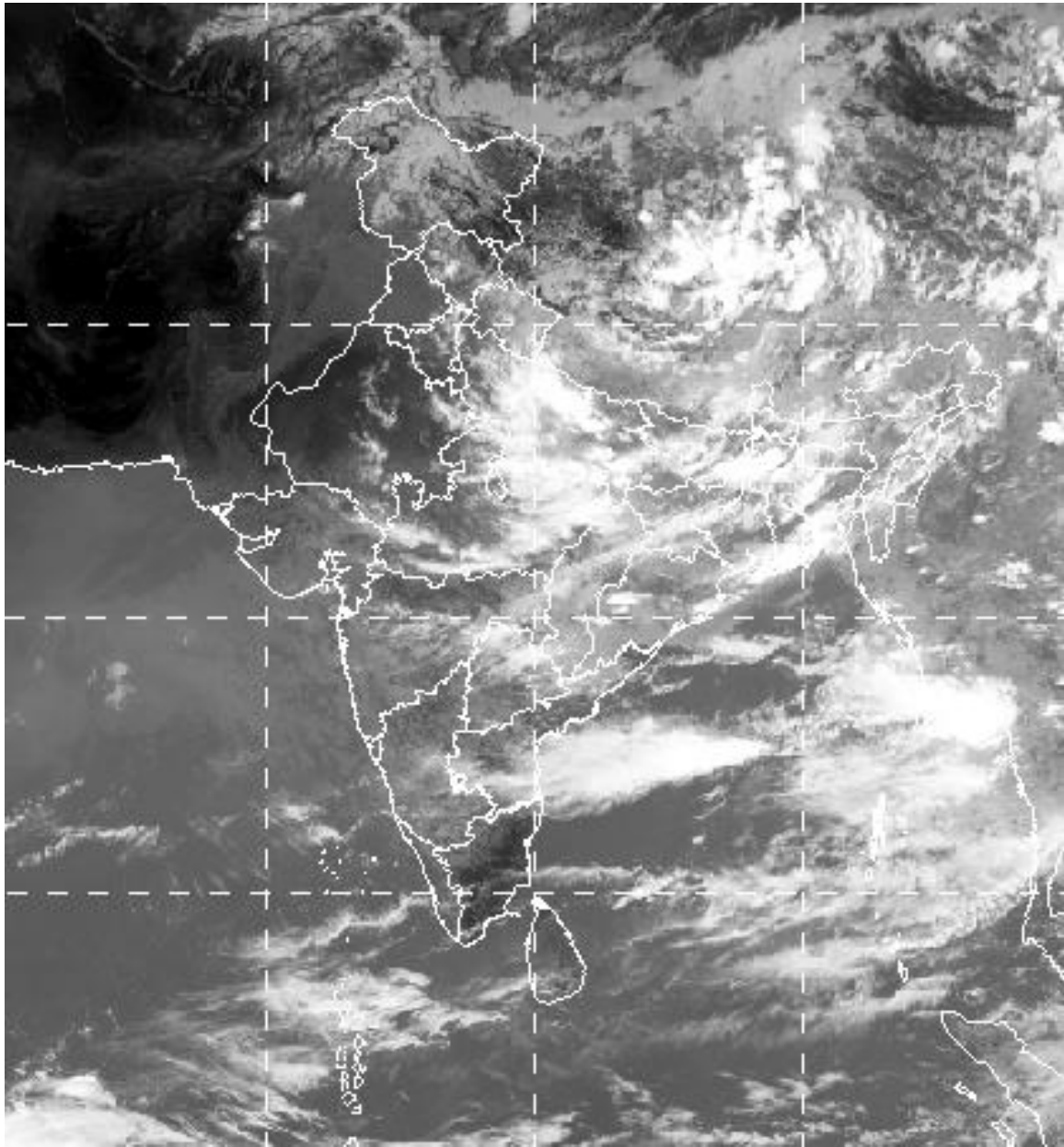
Weather condition

Light rainfall received in West Uttar Pradesh of UP state during past few days. Maximum temperature is below normal by 1.0 to 2.0 °C and minimum temperature is near to its normal.

Contingency measure:

- Paddy: Stop Irrigation and transplantation of rice should be taken up regularly. Short duration rice viz; Govind, Manhar, Narandra-80, NDR-97, Pant-12, IR-50, Ashwani, Shakat -4, and Baranideep, above varieties could be used for SRI method only of rice planting. Seed should be treated with Streptocycline 4.0 g with 45 lt. water for 35 kg seed soaking for the control of Bacterial blight. Treated seed should always be used for the purpose. Frequent irrigation to the rice nursery, 2.0% solution of N with 2% potash should be spray after 15 days of nursery in light soils.
- Maze: Drain out excess water from the field . Sorghum : Do not sown and drain out excess water from the field.
- Pearl millet: Do not sown and drain out excess water from the field . Pegionpea : Do not sown and drain out excess water from the field . Black gram : Do not sown and drain out excess water from the field.
- Green gram : Do not sown and drain out excess water from the field . Ground nut : Do not sown and drain out excess water from the field.
- Jowar / Maize Mucchari + Lobia + Moongbeen : Sowing of Jowar varieties as Pusa chari-23, SSG-98-8MFSH-3, H Pant-5 and MP chari @ 30-40 kg seeds /ha. With lobia varieties as Rashayan zoint , UPC-5286, UPC-5287, NP-3, Bundhel lobia-2, UPC-9202 and UPC-4200 with 15-20 kg seed for mixed cropping or 40 kg seed sown for alone. Used maize hybrid as Ganga-2, 5,7 or composite as Kishan , African toll and Vijay or indigenous variety Type-41 for fodder.

- Animal / Birds : Bathing should be taken up at morning and evening before milking. Drinking water should be given thrice a day. Balanced diet should be given for milch animal and Vaccinate Foot and Mouth disease and if need concerned near Veterinary hospital..



**Figure: 1. Latest available satellite picture as on 02 August 2018 at 0230 Hrs (IST).
(Source: IMD).**

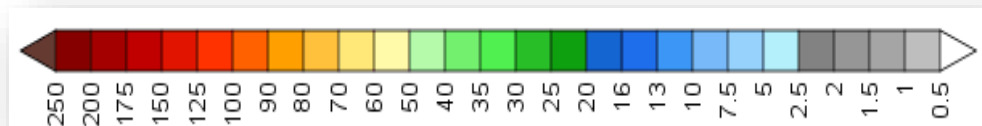
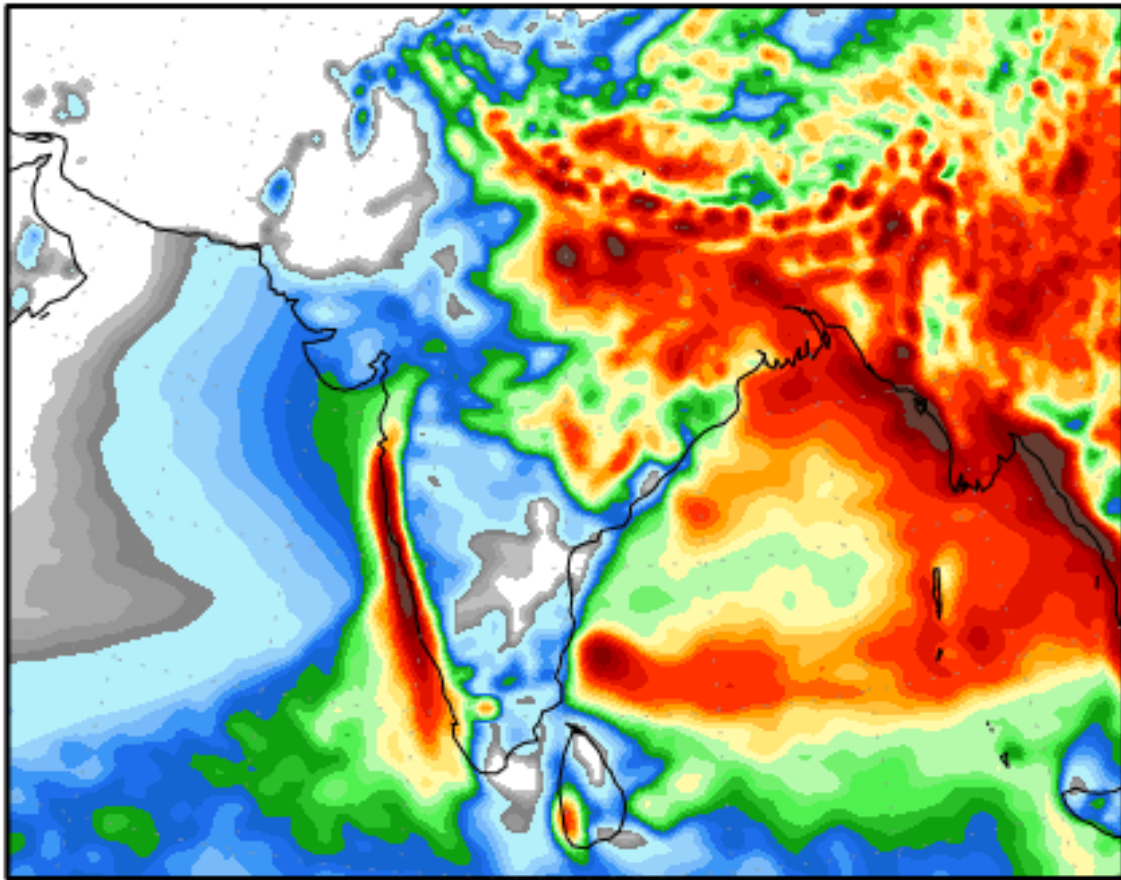


Figure: 2. Precipitation forecast for 02 to 09 August 2018 (Source: NOAA NCEP).