

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 31 August 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The cross equatorial flow associated with southwest monsoon has weakened and this situation is likely to continue during the entire forecast period. However, the monsoon trough, especially its eastern part, is likely to remain active during next 4-5 days. As a result, the major rainfall activity is likely to be confined to north and adjoining central India and subdued rainfall activity is likely to continue over the southern states and interior parts of Peninsular India.
- Fairly widespread rainfall activity with isolated heavy falls are likely to continue over Madhya Pradesh, Uttar Pradesh and Uttarakhand during next 3-4 days. Fairly widespread to widespread rainfall with isolated heavy/very heavy falls are likely over northeastern States, West Bengal, Jharkhand and Odisha during 31st August 02nd September, over Bihar during 2nd 4th September and over Haryana, Chandigarh & Delhi on 02nd & 03rd September.
- Heavy to very heavy rain occurred at isolated places over Chhattisgarh; heavy rain occurred at isolated places over Himachal Pradesh, Uttarakhand, West Bengal & Sikkim, Odisha, Jharkhand, East Uttar Pradesh, East Madhya Pradesh, South Interior Karnataka and Tamilnadu & Puducherry 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 West Bengal & Sikkim, Bihar, Arunachal Pradesh, Konkan & Goa, Karnataka, Lakshadweep and Andaman & Nicobar Islands; at many places over Uttar Pradesh, Jharkhand, Madhya Pradesh, Chhattisgarh and Nagaland, Manipur, Mizoram & Tripura; at a few places over Himachal Pradesh, Uttarakhand, East Rajasthan, Gujarat, Vidarbha, Assam & Meghalaya, Madhya Maharashtra, Odisha, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Rayalaseema and Kerala; at isolated places over Jammu & Kashmir, Punjab and Telangana.
- Maximum temperature departures as on 30.08.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Haryana, Chandigarh & Delhi, West Rajasthan and Odisha; above normal (1.6°C to 3.0°C) at most places over Coastal Andhra Pradesh; at many places over Jammu & Kashmir, Jharkhand and Gangetic

West Bengal; at a few places over Himachal Pradesh, Assam & Meghalaya, Telangana, Konkan & Goa, Kerala and Tamilnadu & Puducherry; at isolated places over Uttarakhand, Punjab, Bihar, East Madhya Pradesh, Coastal Karnataka and Rayalaseema. They were appreciably below normal (3.1°C to 5.0°C) at a few places over West Madhya Pradesh; at isolated places over Uttar Pradesh & Vidarbha and below normal (1.6°C to 3.0°C) at a few places over Gujarat and at isolated places over Sub Himalayan West Bengal & Sikkim & Madhya Maharashtra and near normal over rest of the country.

- Yesterday, the highest maximum temperature of 41.0°C was recorded at Ganganagar (West Rajasthan) over the country.
- Minimum temperature departures as on 31.08.2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places over Himachal Pradesh & West Rajasthan; above normal (1.6°C to 3.0°C) at most places over Punjab and Haryana, Chandigarh & Delhi; at many places over Uttarakhand; at a few places over West Bengal & Sikkim, Assam & Meghalaya, Odisha and Coastal Andhra Pradesh; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Kerala, Tamilnadu & Puducherry and Andaman & Nicobar Islands. They are appreciably below normal (3.1°C to 5.0°C) at a few places over East Uttar Pradesh; at isolated places over Madhya Pradesh & Gujarat region; below normal (1.6°C to 3.0°C) at isolated places over West Uttar Pradesh and south Interior Karnataka and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 31 August (Day 1): Heavy to very heavy rain at isolated places very likely over West Uttar Pradesh and heavy rain at isolated places over Uttarakhand, East Uttar Pradesh, East Rajasthan, Madhya Pradesh, Chhattisgarh, Jharkhand, Gangetic West Bengal, Odisha, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, South Interior Karnataka and Tamilnadu & Puducherry.
- 01 September (Day 2): Heavy to very heavy rain at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura and heavy rain at isolated places over Uttarakhand, Uttar Pradesh, East Rajasthan, Madhya Pradesh, Jharkhand, Gangetic West Bengal and Odisha.
- 02 September (Day 3): Heavy to very heavy rain at isolated places very likely over Nagaland, Manipur, Mizoram & Tripura and heavy rain at isolated places over Uttarakhand, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Bihar, Jharkhand, West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya and Konkan & Goa.
- 03 September (Day 4): Heavy rain at isolated places likely over Uttarakhand, Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Rajasthan, Bihar and Nagaland, Manipur, Mizoram & Tripura.
- 04 September (Day 5): Heavy rain at isolated places likely over Uttarakhand, Bihar and Tamilnadu & Puducherry.

- The weather outlook for the period of seven days *i.e* 31 August to 06 September 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, Punjab, East Rajasthan, Uttar Pradesh, West Bengal & Sikkim, Bihar, Jharkhand, Gujarat, Madhya Pradesh, Chhattisgarh, Odisha, Konkan & Goa, Vidarbha, Madhya Maharashtra, Coastal Andhra Pradesh, Rayalaseema Telangana, Karnataka, Kerala, Tamilnadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

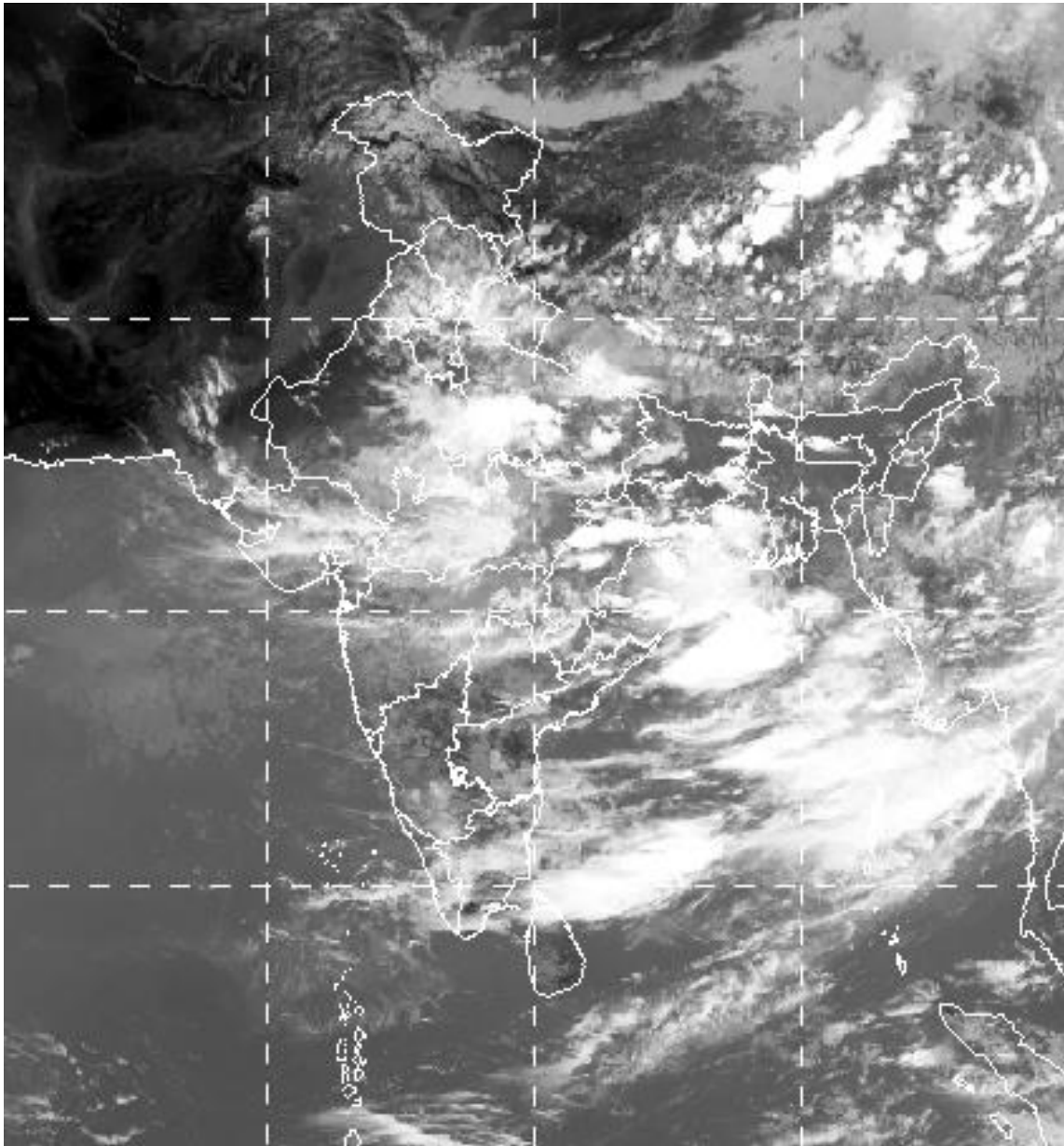
Eastern Uttar Pradesh

Weather condition

Light rainfall received in Eastern region of Uttar Pradesh state during past few days. Both maximum and minimum, temperatures are near normal.

Contingency measure:

- Looking rainfall forecast farmers are advised to not to irrigate the paddy crop. fertilizer application in rice/maize under optimum moisture are advised.
- Under prevailing weather conditions there are possibility of khaira disease in rice hence farmers are advised for spraying of 5 kg. ZNSO₄ + 20 kg Urea dissolved in 800-1000 litre of waters.
- This is peak period of plantation of fruit and forest trees hence farmers are advised to plant them at an earliest for better establishment.
- Advised for vaccination against FMD in animals.



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

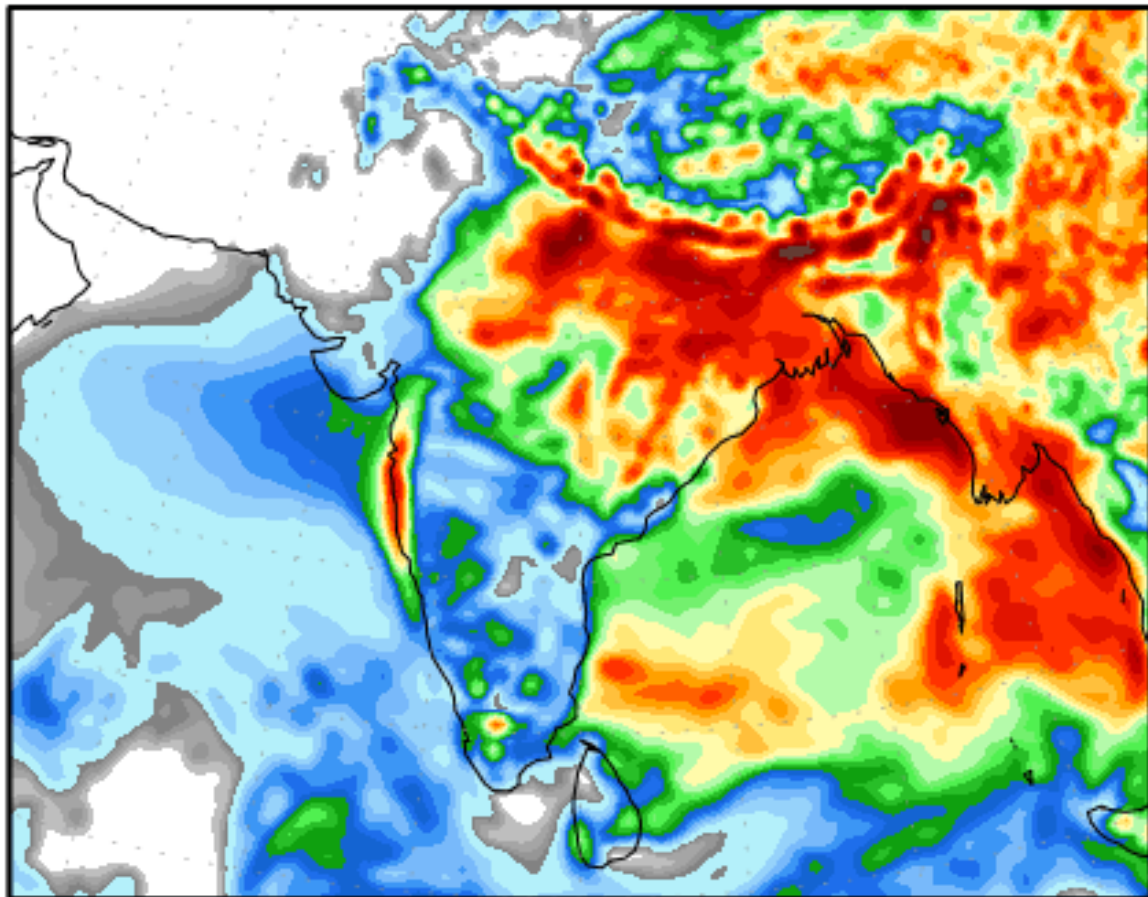


Figure: 2. Precipitation forecast for 31 August to 06 September 2018 (Source: NOAA NCEP).