

All India Coordinated Research Project on Agrometeorology

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Daily Crop Weather Information as on 03 September 2018

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Significant Weather Features (IMD)

- The monsoon trough, though continuing to lie to the north of its normal position it remains active with three embedded cyclonic circulations (i) over Haryana & adjoining Punjab (ii) over central parts of south Uttar Pradesh & adjoining north Madhya Pradesh and (iii) over northeast Jharkhand & neighbourhood. The cross equatorial flow continues to remain weak.
- In association with the active monsoon trough, fairly widespread to widespread rainfall activity with isolated heavy falls are likely to continue over Madhya Pradesh, Uttar Pradesh, Haryana, Chandigarh & Delhi, Himachal Pradesh and Uttarakhand during next 2-3 days. Heavy to very heavy and isolated extremely heavy falls are likely over parts of northwest Madhya Pradesh and adjoining areas during next 48 hours.
- An increase in rainfall intensity is likely over parts of Odisha and Gangetic West Bengal in association with the possible formation of a low pressure area on 5th & 6th September. Subdued rainfall activity is likely to continue over peninsular India during next 5 days.
- Heavy to very heavy rainfall with extremely heavy falls observed at isolated places over East Rajasthan and heavy rainfall at isolated places over Himachal Pradesh, East Uttar Pradesh, Jharkhand, Gangetic West Bengal, Assam & Meghalaya, Arunachal Pradesh, Madhya Maharashtra and Andaman & Nicobar Islands 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 hrs IST of yesterday to 0830 hrs IST of today): Rain/thundershowers observed at most places over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Uttar Pradesh, Bihar, West Bengal & Sikkim, Jharkhand, Chhattisgarh, Gujarat, Konkan & Goa and Coastal Karnataka; at many places over Assam & Meghalaya and Andaman & Nicobar Islands; at a few places over Jammu & Kashmir, East Rajasthan, Madhya Pradesh, Odisha, Madhya Maharashtra, Vidarbha, Telangana, North Interior Karnataka, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura; at isolated places over Punjab, Marathwada, South Interior Karnataka, Coastal Andhra Pradesh, Lakshadweep and Tamilnadu & Puducherry.

- Maximum temperature departures as on 02.09.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Kerala; above normal (1.6°C to 3.0°C) at a few places over Coastal Andhra Pradesh; at isolated places over Jammu & Kashmir, Coastal & South Interior Karnataka and Tamilnadu & Puducherry. They were markedly below normal (5.1°C or less) at many places over Haryana, Chandigarh & Delhi; at isolated places over West Madhya Pradesh; appreciably below normal (3.1°C to 5.0°C) at many places over Punjab; at a few places over West Uttar Pradesh and East Rajasthan; at isolated places over East Madhya Pradesh, Saurashtra & Kutch and Gangetic West Bengal and below normal (1.6°C to 3.0°C) at most places over Himachal Pradesh; at a few places over East Uttar Pradesh, Chhattisgarh and Jharkhand and near normal over rest of the country.
- The highest maximum temperature of 39.8°C was recorded at Ganganagar (West Rajasthan) over the country.
- Minimum temperature departures as on 03.09.2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places over Jammu & Kashmir; above normal (1.6°C to 3.0°C) at most places over Uttarakhand; at isolated places over Himachal Pradesh, Punjab, West Uttar Pradesh, Sub Himalayan West Bengal & Sikkim, Assam & Meghalaya and Coastal Andhra Pradesh. They are below normal (1.6°C to 3.0°C) at isolated places over Madhya Pradesh, Odisha, Telangana and South Interior Karnataka and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 03 September (Day 1): Heavy to very heavy rain at isolated places very likely over West Madhya Pradesh and heavy rain at isolated places over Jammu Division of Jammu & Kashmir, Uttarakhand, Himachal Pradesh, Haryana, Chandigarh & Delhi, Punjab, East Uttar Pradesh, East Rajasthan, East Madhya Pradesh, Konkan, Madhya Maharashtra, Andaman & Nicobar Islands, West Bengal & Sikkim, Jharkhand, Bihar, Arunachal Pradesh and Assam & Meghalaya.
- 04 September (Day 2): Heavy to very heavy rain at isolated places with extremely heavy falls at isolated places very likely over northwest Madhya Pradesh; Heavy to very heavy rain at isolated places over West Uttar Pradesh, East Rajasthan & East Madhya Pradesh and Heavy rain at isolated places very likely over Uttarakhand, Himachal Pradesh, East Uttar Pradesh and Gangetic West Bengal.
- 05 September (Day 3): Heavy to very heavy rain at isolated places very likely over Odisha and West Madhya Pradesh and Heavy rain at isolated places over Uttarakhand, West Uttar Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Gangetic West Bengal.
- 06 September (Day 4): Heavy to very heavy rain at isolated places likely over Odisha and heavy rain at isolated places over Jharkhand, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

- 07 September (Day 5): Heavy rain at isolated places likely over Sub Himalayan West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- The weather outlook for the period of seven days *i.e* 03 to 09 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, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, Bihar, West Bengal & Sikkim, Jharkhand, Chhattisgarh, Madhya Pradesh, Odisha, Gujarat, Konkan & Goa, Madhya Maharashtra, Vidarbha, Marathwada, Telangana, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

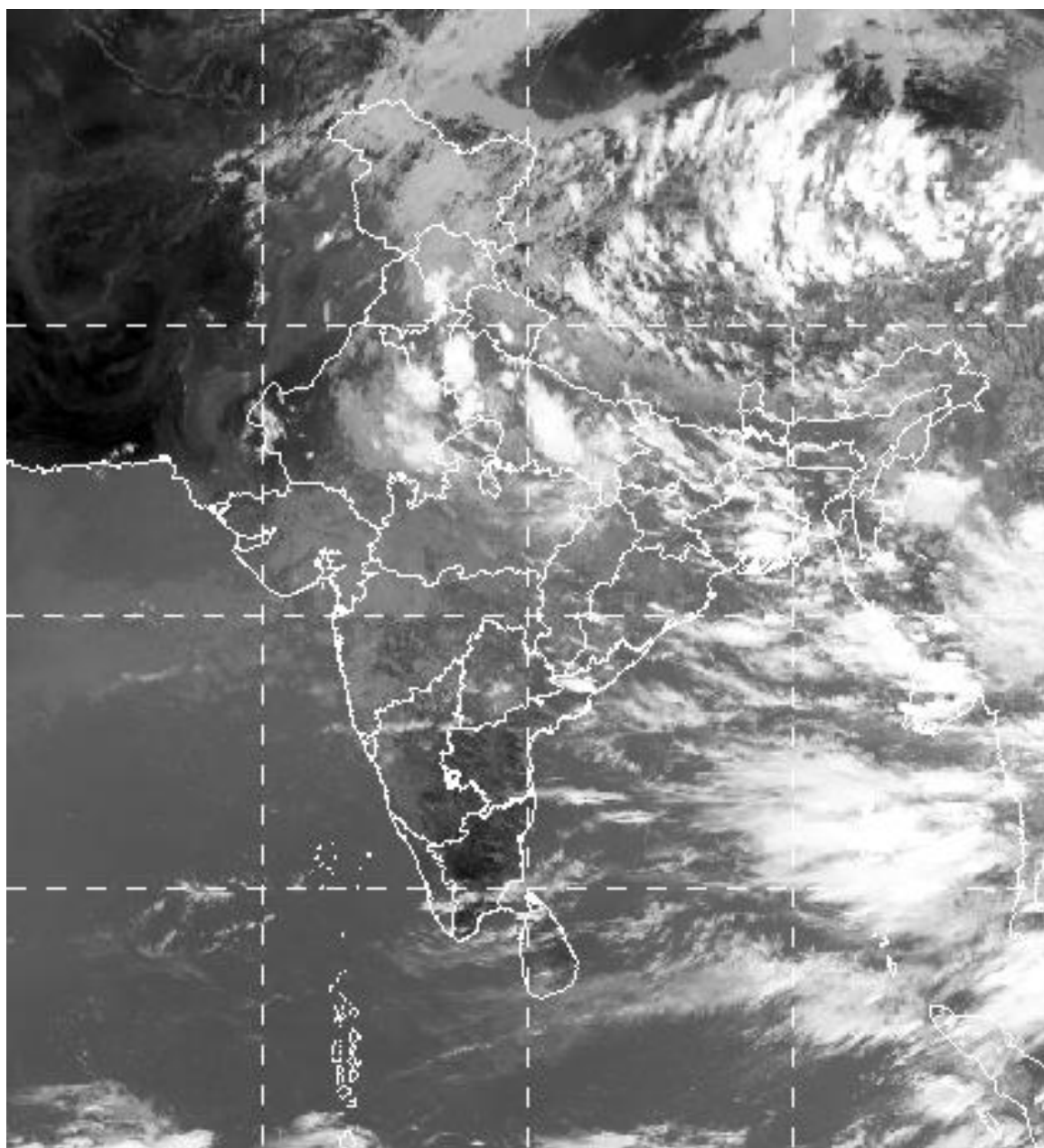
West Bengal

Weather condition

Light rainfall received in West Bengal state during past few days. Maximum temperature ranged from 28.2 to 34.0 °C and minimum, temperatures ranged from 26.0 to 27.5 °C.

Contingency measure:

- Aman Rice: First weeding should be done at 3 weeks after transplanting and second weeding at 6 weeks after transplanting. Apply 4.5 kg Urea/ bigha as 1st top dressing after 1st weeding. At the time of panicle initiation, keep 5 to 7 cm water in the field. For early sown Aman rice, hot and humid weather favors Gundhi bug infestation during flowering. If 5-6 bugs/m² are found, spray Carbaryl 50% or Chlorpyrifos 20% to control the attack.
- In present weather condition, brown spot may also found. To control it, spray mancozeb 75 WP or zeneb @ 2.5 g/ lt of water. Spray should be done in non rainy day.
- Bitter-gourd and pointed gourd: Under high humidity and cloudy condition, combined attack of Downy mildew and Mosaic may be seen. Apply Ridomil Gold MZ (@2 gm per litre) to control the attack. Apply Redomil MZ (@2 gm per lt) to control the attack.
- Chilli: The present weather conditions are favorable for occurrence of thrips and mite in chillies. To control spray dipheniuran@ 1.25 gm/litre of water is recommended.



**Figure: 1. Latest available satellite picture as on 03 September 2018 at 0230 Hrs (IST).
(Source: IMD).**

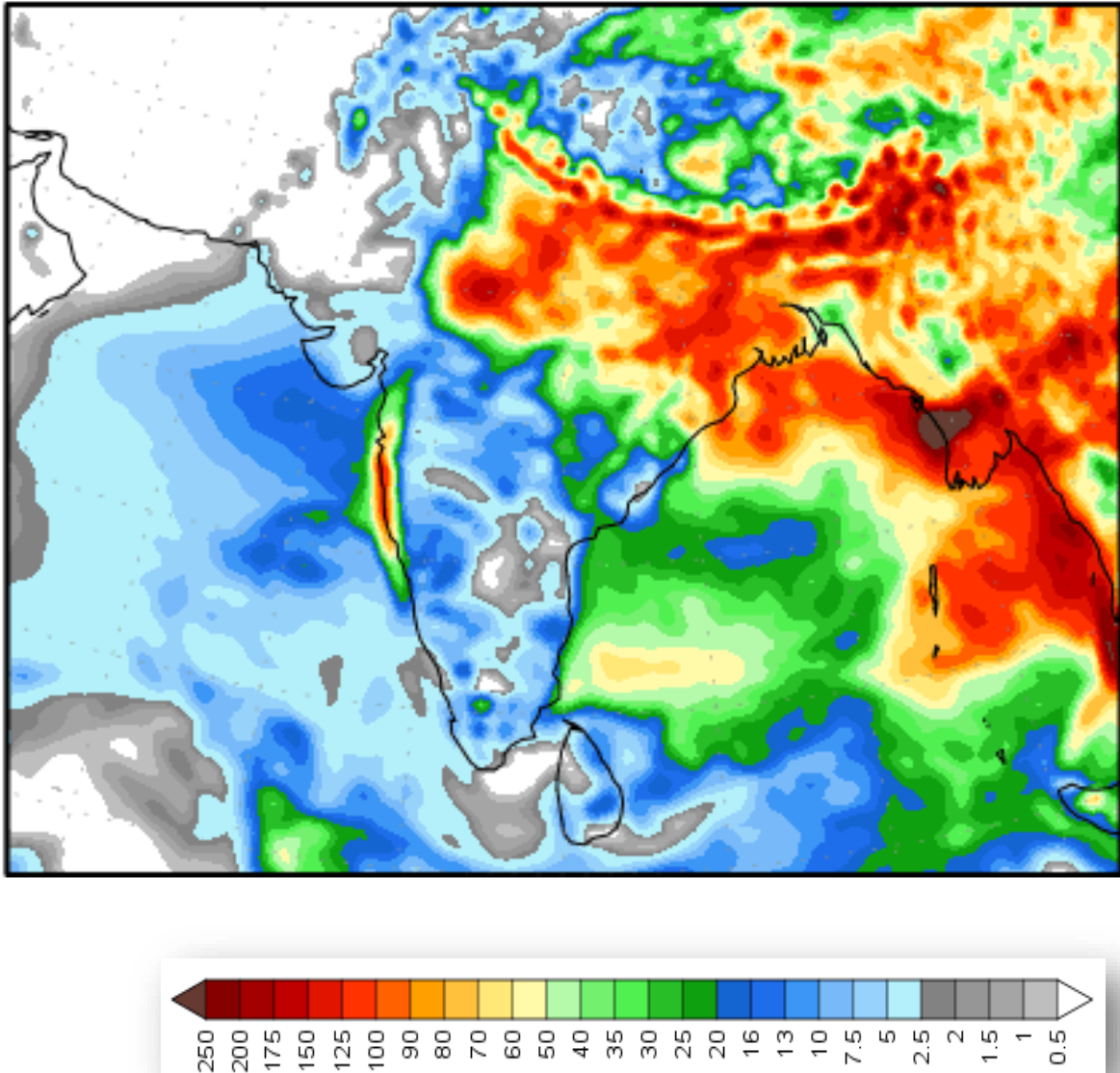


Figure: 2. Precipitation forecast for 03 to 09 September 2018 (Source: NOAA NCEP).