

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 11 May 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- An eastwest through runs from east Bihar to Nagaland in lower levels. Under its influence, thundersqualls and heavy rainfall are very likely at isolated places over Northeast India and isolated thundersqualls are likely over east India during next 3 days.
- Thunderstorm observed at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Jharkhand, Odisha, Chhattisgarh, Kerala and Lakshadweep from 0830 to 1430 hours IST of today.
- Yesterday, Heat Wave conditions observed at one or two pockets over Vidarbha.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall observed (from 0830 hours of yesterday to 0830 hours IST of today): Rain/thundershowers observed at many places over Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and West Bengal & Sikkim; at a few places over Tamilnadu & Puducherry and Andaman & Nicobar Islands; at isolated places over Odisha, Madhya Maharashtra, Karnataka, Rayalaseema and Kerala. Amount of rainfall recorded at 0830 hours IST of today (1 cm or more) are: Kailashahar and Bangalore5 each; Gangtok4; Silchar, Gadag, Sangli, north Lakhimpur and Lengpui3 each; Belgaum 2; Agartala, Imphal, Cooch Behar, Malda, Kolhapur, Karwar, Chitradurga, Kochin, Anantpur, Arogyavaram and Nancowry1 each.
- Maximum temperature departures as on 10052018: Maximum temperatures were above normal (1.6°C to 3.0°C) at most places over Gujarat and Marathwada; at many places over Jammu & Kashmir, Rajasthan, Vidarbha, Madhya Maharashtra and Konkan & Goa; at a few places over west Madhya Pradesh and Andaman & Nicobar Islands ; at isolated places over Himachal Pradesh, East Madhya Pradesh and Odisha. They were appreciably below normal (3.1° C to 5.0° C) at isolated places over Assam & Meghalaya, West Bengal & Sikkim and Tamilnadu & Puducherry and below normal (1.6° C to 3.0° C) at isolated places over West Uttar Pradesh, Chhattisgarh and Coastal & south Interior Karnataka and near normal over rest of the country. Yesterday, the highest maximum temperature of 46.0°C was recorded at Chandrapur (Vidharbha).

- Minimum temperature departures as on 11052018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at a few places over Vidarbha; at isolated places over Jammu & Kashmir and Madhya Maharashtra; above normal (1.6°C to 3.0°C) at most places over Gujarat region; at many places over Rajasthan, West Madhya Pradesh, Gangetic West Bengal and Jharkhand; at a few places over Odisha; at isolated places over Saurashtra & Kutch, East Madhya Pradesh, Coastal Karnataka and Tamilnadu & Puducherry. They are appreciably below normal (3.1° C to 5.0° C) at isolated places over Konkan & Goa and Rayalaseema and below normal (1.6° C to 3.0° C) at many places over Nagaland, Manipur, Mizoram & Tripura; at a few places over SubHimalayan West Bengal & Sikkim and Assam & Meghalaya ; at isolated places over Lakshadweep and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 11 May (Day 1): Thunderstorm accompanied with squall (wind speed reaching 5070 kmph) very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Gangetic West Bengal. Thunderstorm accompanied with gusty winds very likely at isolated places over SubHimalayan West Bengal & Sikkim, Odisha, Jharkhand, Bihar, north Coastal Andhra Pradesh, Telangana, Rayalaseema, Interior Karnataka, Tamilnadu & Puducherry, Lakshadweep and Kerala. Heavy rain very likely at isolated places over Assam & Meghalaya, Coastal & South Interior Karnataka, Lakshadweep, Kerala and Tamilnadu & Puducherry. Heat wave conditions very likely at some places over Vidarbha and at one or two pockets over West Madhya Pradesh and West Rajasthan.
- 12 May (Day 2): Thunderstorm accompanied with squall (wind speed reaching 5070 kmph) very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, East Uttar Pradesh, Gangetic West Bengal, Vidharbha, Chhattisgarh, Telangana, north Coastal Andhra Pradesh, South Interior Karnataka, Tamilnadu & Puducherry, Lakshadweep and Kerala. Heavy rain very likely at isolated places over South Interior Karnataka and Tamilnadu & Puducherry. Heat wave conditions very likely at some places over Vidarbha and at one or two pockets over West Madhya Pradesh and Rajasthan.
- 13 May (Day 3): Thunderstorm accompanied with squall (wind speed reaching 5070 kmph) and hail very likely at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarkhand. Thunderstorm accompanied with squall (wind speed reaching 5070 kmph) very likely at isolated places over East Uttar Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha and Jharkhand. Thunderstorm accompanied with gusty winds very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Vidharbha, Chhattisgarh, Bihar, Telangana, north Coastal Andhra Pradesh, South Interior Karnataka, Tamilnadu & Puducherry, Lakshadweep and Kerala. Duststorm very likely at isolated places over Rajasthan. Heat wave conditions very likely at one or two pockets over Rajasthan, West Madhya Pradesh and Vidarbha.
- 14 May (Day 4): Thunderstorm accompanied with squall (wind speed reaching 5070 kmph) and hail likely at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarkhand. Thunderstorm accompanied with squall (wind speed reaching 5070 kmph) likely at isolated

places over East Uttar Pradesh, West Bengal & Sikkim, Jharkhand and Odisha. Thunderstorm accompanied with gusty winds likely at isolated places over Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Rajasthan, Vidharbha and Chhattisgarh. Duststorm likely at isolated places over West Rajasthan. Heat wave conditions very likely at one or two pockets over West Rajasthan.

- 15 May (Day 5): Thunderstorm accompanied with squall (wind speed reaching 5070 kmph) likely at isolated places over SubHimalayan West Bengal & Sikkim. Thunderstorm accompanied with gusty winds likely at isolated places over East Uttar Pradesh, Vidharbha and Chhattisgarh.
- The weather outlook for the period of seven days *i.e* 09 to 17 May 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, Uttrakhand, Punjab, Sub Himalayan West Bengal & Sikkim, Odisha, Coastal & Interior Karnataka, Kerala, Tamilnadu & Puducherry, Andaman Islands and North eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

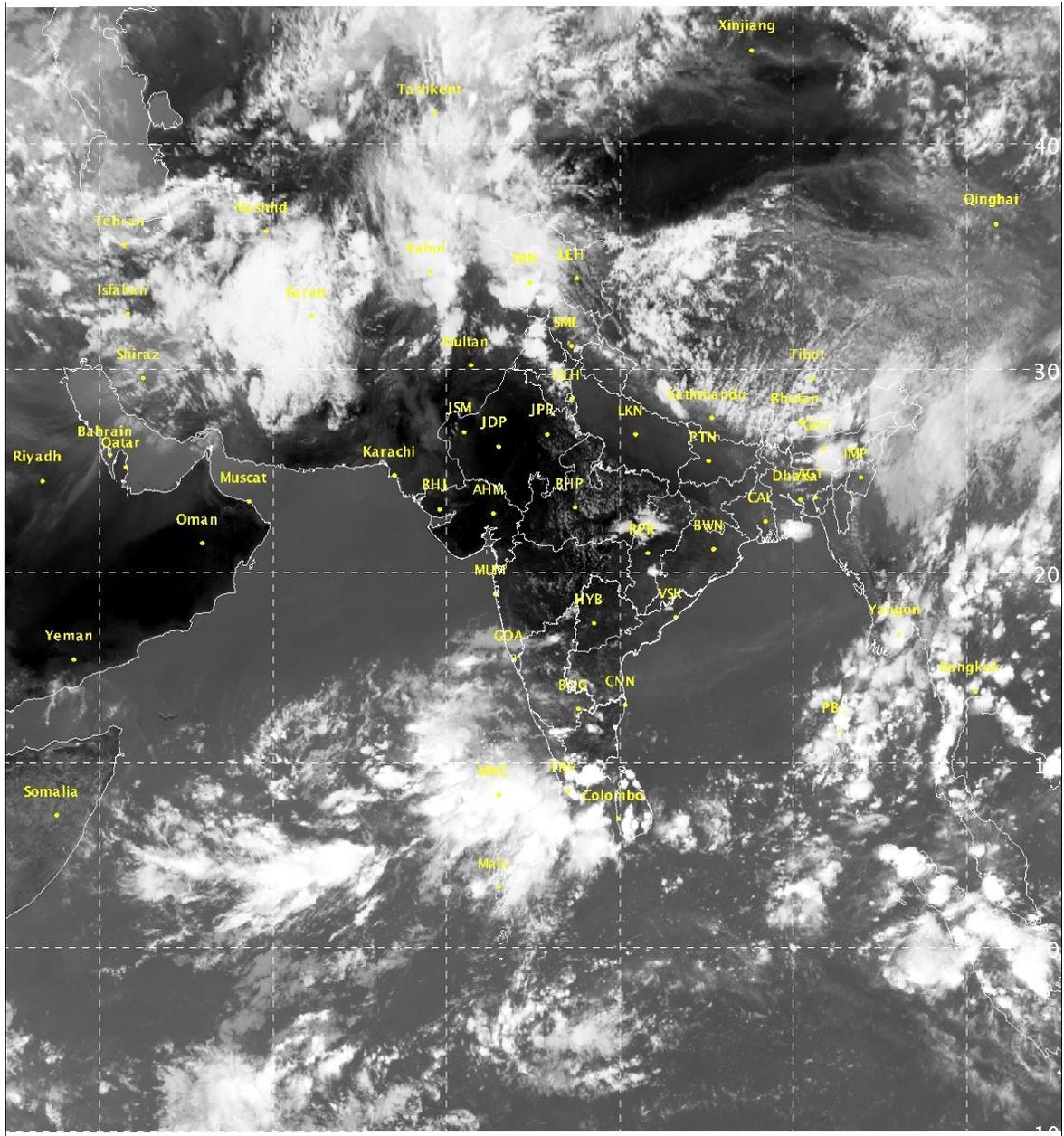
Western Uttar Pradesh

Weather condition

No rainfall received and maximum and minimum temperatures were above normal in Western Uttar Pradesh during the past few days.

Contingency measure:

- Looking no rainfall in the forecast, farmers are advised for threshing of wheat very soon (if not completed)
- They are advised for irrigation in sugarcane, onion, mung, vegetables and maize
- Interculture operation may be given under suitable moisture condition in the crops like sugarcane, mung and vegetables etc. Summer ploughing in the fallow fields are advised. Levelling, bunding, making irrigation/drainage channel can be made for reclamation of usar/alkaline soil.
- Farmers are advised to ensure the seeds of Dhaincha/sunnhemp for green manuring



**Figure: 1. Latest available satellite picture as on 11 May 2018 at 1300 Hrs (IST).
(Source: IMD).**

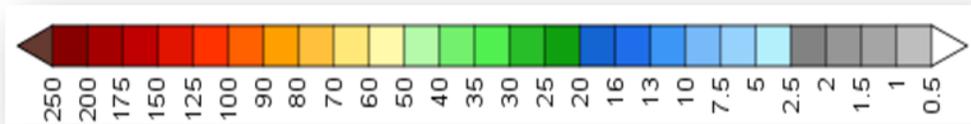
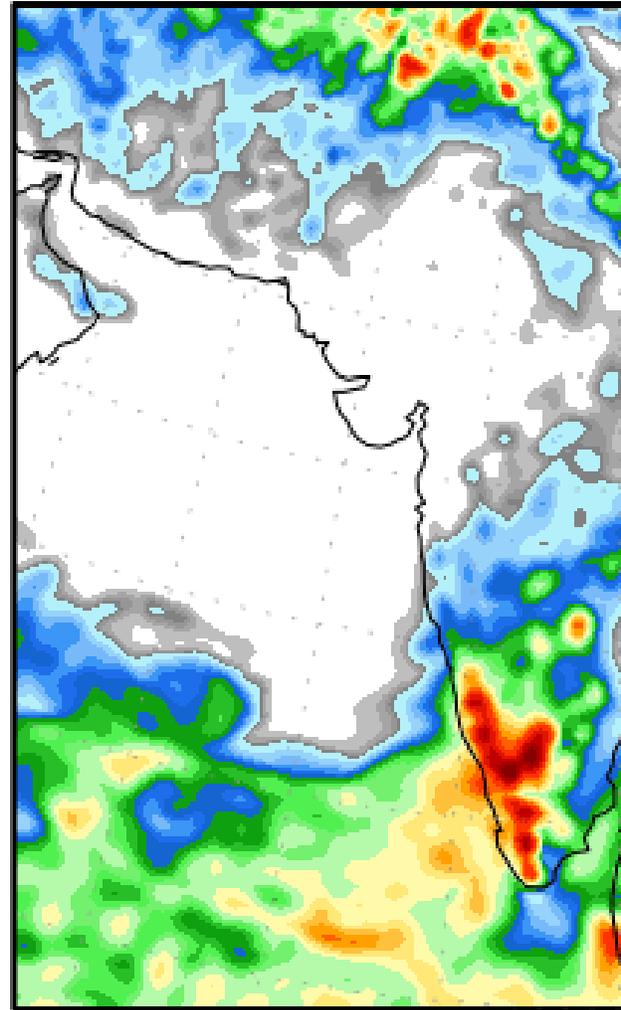


Figure: 2. Precipitation forecast for 10 NCEP).

to 18 May 2018 (Source: NOAA