

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 08 April 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Fairly widespread to widespread rainfall with isolated thundersquall (wind reaching 60-70kmph) likely to occur over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 48 hours. Isolated thundersquall are very likely over West Bengal & Sikkim and Jharkhand also during same period.
- Isolated thundershowers/dust-storms are very likely over Haryana, Chandigarh & Delhi and Uttar Pradesh during next 24 hours.
- Heat wave conditions over some parts of Rajasthan very likely during next 24 hours and at isolated pockets likely during subsequent 3 days.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rain/Thundershowers observed (from 0830 hrs IST of yesterday to 0830 hours IST of today): at most places over Arunachal Pradesh; at many places over Assam & Meghalaya; at a few places over Jammu & Kashmir, Himachal Pradesh, East Rajasthan, Jharkhand, Odisha, West Bengal & Sikkim and Nagaland. Manipur, Mizoram & Tripura and at isolated places over Punjab, Haryana, Chandigarh & Delhi, East Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Coastal Andhra Pradesh and South Interior Karnataka. Thunderstorm observed at isolated places over Punjab, West Uttar Pradesh, Jharkhand, Tripura, Himachal Pradesh and Haryana at 0830 hours IST of today.
- Yesterday, heat wave conditions were observed in many parts over West Rajasthan and in some parts over East Rajasthan.
- Maximum temperature departures as on 07.04.2019: Maximum temperatures were markedly above normal (5.1°C or more) at many places over Jammu & Kashmir and West Rajasthan; at a few places over East Rajasthan; at isolated places over Haryana, Chandigarh & Delhi; appreciably above normal (3.1°C to 5.0°C) at many places over Himachal Pradesh and West Madhya Pradesh; at a few places over Punjab, East

Madhya Pradesh, Marathwada, Vidarbha, Gujarat region and Coastal Karnataka; at isolated places over Saurashtra & Kutch, Chhattisgarh and Rayalaseema; above normal (1.6°C to 3.0°C) at many places over Kerala; at a few places over South Interior Karnataka, Coastal Andhra Pradesh, Lakshadweep and Tamilnadu & Puducherry; at isolated places over Konkan & Goa, North Interior Karnataka and Andaman & Nicobar Islands. They were markedly below normal (-5.1°C or less) at most places over Bihar; at a few places over Assam & Meghalaya and Gangetic West Bengal; at isolated places over East Uttar Pradesh and appreciably below normal (-3.1°C to -5.0°C) at many places over Sub-Himalayan West Bengal & Sikkim and Nagaland, Manipur, Mizoram & Tripura; at a few places over Odisha and near normal over rest parts of the country.

- Yesterday, highest maximum temperature of 44.0°C was recorded at Khargone (West Madhya Pradesh) over the country.
- Minimum temperature departures as on 08.04.2019: Minimum temperatures are markedly above (5.1°C or more) at few places over West Rajasthan and at isolated places over Jammu & Kashmir, Punjab, Haryana , Chandigarh & Delhi, Uttarakhand, West Uttar Pradesh, East Rajasthan, East Madhya Pradesh and Chhattisgarh: appreciably above normal (3.1°C to 5.0°C) at many places over Himachal Pradesh; a few places over Saurashtra & Kutch and Vidarbha and at isolated places over Gujarat region, East Uttar Pradesh, Jharkhand, Madhya Maharashtra, Marathwada; above normal (1.6°C to 3.0°C) at many places over Kerala; at a few places over South Interior Karnataka and Coastal Andhra Pradesh and at isolated places over Odisha, Telangana, Rayalaseema, Coastal Karnataka and Tamilnadu & Puducherry. They are appreciably below normal (-3.1°C to -5.0°C) at isolated places over Bihar and Assam & Meghalaya; below normal (-1.6°C to -3.0°C) at isolated places over Konkan & Goa and Andaman & Nicobar Islands and near normal over rest of the country.
- Yesterday, the lowest minimum temperature of 17.0°C recorded at Shivpuri (West Madhya Pradesh) and Narsingpur (East Madhya Pradesh) over the plains of the country.

Weather Warning during next 5 days (IMD)

- 08 April (Day 1): Heat Wave conditions in some places very likely over West Rajasthan and in isolated pockets over Gujarat State and East Rajasthan. Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) & lightning at isolated places very likely over Jharkhand, Gangetic West Bengal, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places very likely over Himachal Pradesh, Chhattisgarh, Bihar, Sub-Himalayan West Bengal & Sikkim, Odisha, Coastal Andhra Pradesh, Telangana,

South Interior Karnataka and Kerala. Thunderstorm/Duststorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning at isolated places very likely over Haryana, Chandigarh & Delhi, Uttar Pradesh and East Rajasthan. Thunderstorm accompanied with hail, gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places very likely over Uttarakhand.

- 09 April (Day 2): Heat Wave conditions in isolated pockets very likely over Gujarat state, West Madhya Pradesh and Rajasthan. Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) & lightning at isolated places very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places very likely over Chhattisgarh, Arunachal Pradesh and South Interior Karnataka. Thunderstorm accompanied with hailstorm, gusty winds and lightning at isolated places very likely over Odisha. Heavy rain at isolated places very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 10 April (Day 3): Heat Wave conditions in isolated pockets very likely over Gujarat state, Rajasthan and West Madhya Pradesh. Thunderstorm/Duststorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning at isolated places very likely over Haryana, Chandigarh & Delhi, West Uttar Pradesh and Rajasthan. Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places very likely over Jharkhand, Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura and North Interior Karnataka. Thunderstorm accompanied with hailstorm, gusty winds and lightning at isolated places very likely over Jammu & Kashmir, Himachal Pradesh and Uttarakhand.
- 11 April (Day 4): Heat Wave conditions in isolated pockets likely over Gujarat state and Rajasthan. Thunderstorm/Duststorm accompanied with hail, gusty winds and lightning at isolated places likely over Punjab. Thunderstorm/Duststorm accompanied with gusty winds and lightning at isolated places likely over Haryana, Chandigarh & Delhi, Uttar Pradesh and Rajasthan. Thunderstorm accompanied with hail, gusty winds and lightning at isolated places likely over Himachal Pradesh and Uttarakhand. Thunderstorm accompanied with gusty winds and lightning at isolated places likely over Jammu & Kashmir, Jharkhand, Odisha and Marathwada.
- 12 April (Day 5): Heat Wave conditions in isolated pockets likely over Rajasthan and Gujarat state. Thunderstorm/Duststorm accompanied with hail, gusty winds and lightning at isolated places likely over Punjab. Thunderstorm/Duststorm accompanied with gusty winds and lightning at isolated places likely over Haryana, Chandigarh & Delhi, Uttar Pradesh and Rajasthan. Thunderstorm accompanied with gusty winds and lightning likely at isolated places over Bihar, Gangetic West Bengal, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram and Tripura.

- The weather outlook for the period of seven days *i.e* 08 to 15 April 2019 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, Punjab, Haryana, Chandigarh & Delhi, East Rajasthan, East Uttar Pradesh, Jharkhand, West Bengal & Sikkim, Odisha, Madhya Pradesh, Chhattisgarh, Coastal Andhra Pradesh, South Interior Karnataka and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

West Bengal

Weather condition:

Dry weather prevailed in West Bengal state during past few days. Maximum temperature ranged from 32.0 to 35.0 °C and minimum temperature ranged from 19.7 to 25.9 °C

Contingency measure:

- Boro Rice: In the prevailing weather situation, there is a possibility of spread of blast disease. To prevent it, apply Hinosan or Kitazin. Since, light to heavy rainfall is forecasted in next five days, it is advised to spray the pesticide on a non-rainy day.;
- Jute: Sow the improved varieties of seeds like Chaitali, Basudev, Naveen, Sonali, Sobujsona, Shyamali etc. Those farmers-friend yet to prepare the land, complete the land preparation for jute. Before last ploughing apply 20 to 25 Kg Super-Phosphate, 5.5 to 6.0 Kg MOP and mix the fertilizer thoroughly.
- Sesame: In the prevailing weather situation, there is a possibility of attack of the disease leading to leaf-rolling. Uproot the infected plants. Apply Urea (@ 25 Kg/ Ha) as top dressing.
- Mango: In the prevailing weather condition, there is a possibility of the increased attack of Anthracnose leading to black spot in mango. To control it, spray 1 ml Carbendazim per lit. of water.;
- Vegetables: maintain proper drainage channel as light to moderate rainfall is expected.

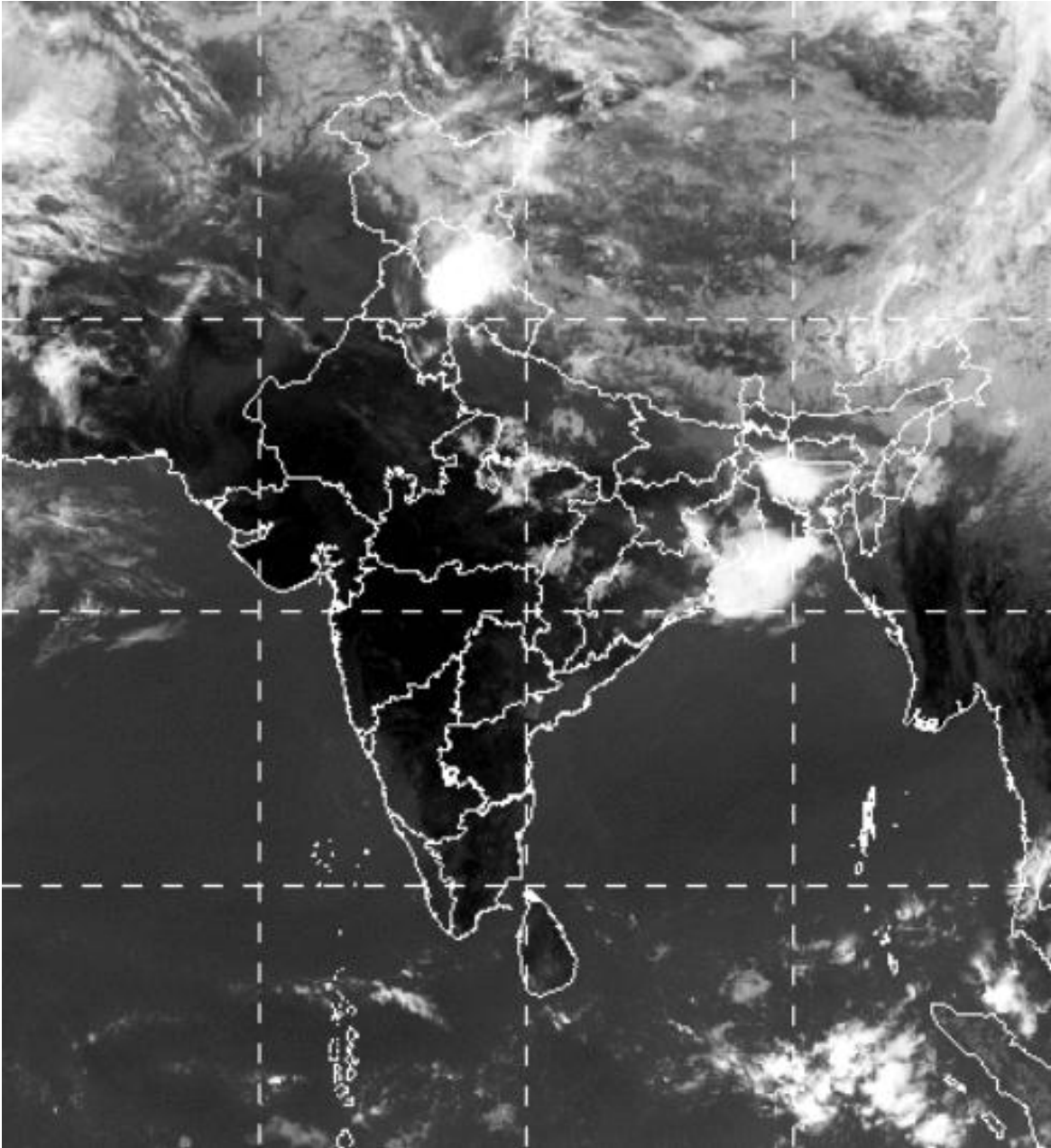


Figure: 1. Latest available satellite picture as on 08 April 2019 at 0230 Hrs (IST).

(Source: IMD).

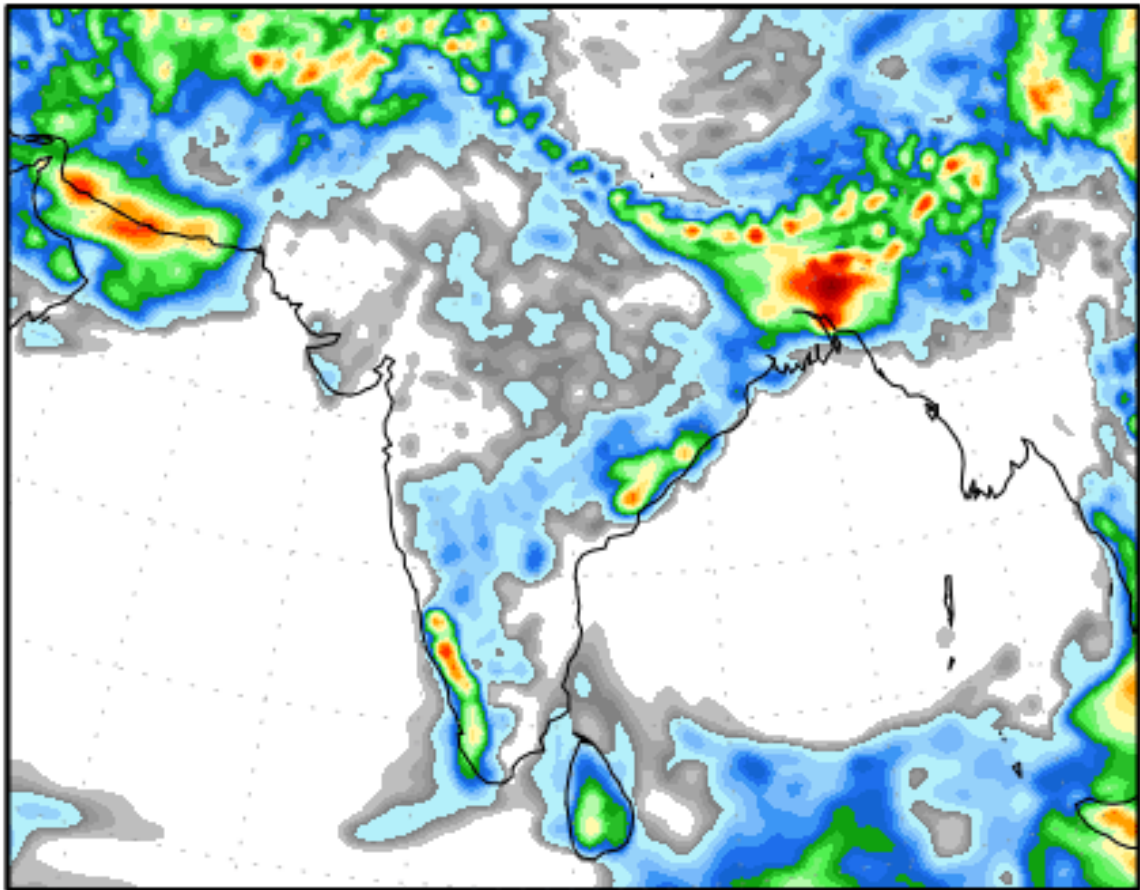


Figure: 2. Precipitation forecast for 08 to 15 April 2019 (Source: NOAA NCEP).