

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 02 April 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Heat wave conditions are very likely to prevail at isolated pockets over north Madhya Maharashtra, Gujarat and Rajasthan during next 3 days, over south Haryana and Vidarbha on 3rd & 4th April and over Madhya Pradesh on 4th & 5th April.
- Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) likely at isolated places over West Bengal & Sikkim and thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 24 hours.
- 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 and Nagaland, Manipur, Mizoram & Tripura; at a few places over Uttarakhand, West Bengal & Sikkim & Andaman & Nicobar Islands and at isolated places over Odisha, Jharkhand, Coastal Andhra Pradesh and South Interior Karnataka.
- Yesterday, heat wave conditions observed at isolated pockets over Saurashtra & Kutch, Marathawada, East Madhya Pradesh and Chhattisgarh.
- Maximum temperature departures as on 01.04.2019: Maximum temperatures were markedly above normal (5.1°C or more) at most places over Jammu & Kashmir; appreciably above normal (3.1°C to 5.0°C) at many places over Himachal Pradesh; at a few places over Saurashtra & Kutch, Rayalaseema and Tamilnadu & Puducherry; at isolated places over West Rajasthan, Gujarat Region, Marathawada and Telangana. They were above normal (1.6°C to 3.0°C) at most places over East Rajasthan, West Madhya Pradesh and Vidarbha; at many places over Madhya Maharashtra and Kerala; at a few places over East Madhya Pradesh and Konkan &

Goa; at isolated places over Jharkhand, Coastal Andhra Pradesh and Coastal Karnataka. They were markedly below normal (-5.1°C or less) at a few places over Sub-Himalayan West Bengal & Sikkim; at isolated places over Bihar; appreciably below normal (-3.1°C to -5.0°C) at a few places over Assam & Meghalaya and Gangetic West Bengal and below normal (-1.6°C to -3.0°C) at isolated places over East Uttar Pradesh and near normal over rest parts of the country.

- Yesterday, the highest maximum temperature of 43.4°C was recorded at Chandrapur (Vidarbha) over the country.
- Minimum temperature departures as on 02.04.2019: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at a few places over Saurashtra & Kutch and at isolated places over West Rajasthan; above normal (1.6°C to 3.0°C) at most places over Jammu & Kashmir and Coastal Karnataka; at a few places over Tamilnadu & Puducherry, South Interior Karnataka and Marathwada; at isolated places over Madhya Maharashtra, Telangana, Vidarbha, Coastal Andhra Pradesh, Assam & Meghalaya, Kerala, Himachal Pradesh and Gujarat Region. They are appreciably below normal (-3.1°C to -5.0°C) at isolated places over East Madhya Pradesh; below normal (-1.6°C to -3.0°C) at many places over Haryana, Chandigarh & Delhi; at isolated places over West Uttar Pradesh, Konkan & Goa and East Rajasthan and near normal over rest parts of the country.
- Today, the lowest minimum temperature of 11.7°C recorded at Bareilly (West Uttar Pradesh) over plains of the country.

Weather Warning during next 5 days (IMD)

- 02 April (Day 1): Heat Wave conditions in isolated pockets very likely over Madhya Maharashtra, Marathwada, Gujarat State and Rajasthan. Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) & lightning at isolated places very likely over West Bengal & Sikkim. Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places very likely over Odisha, Bihar, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 03 April (Day 2): Heat Wave conditions in some parts very likely over West Rajasthan; in isolated pockets very likely over Madhya Maharashtra, Marathwada, Gujarat State, south Haryana, Vidarbha and East Rajasthan.
- 04 April (Day 3): Heat Wave conditions in some parts very likely over West Rajasthan; in isolated pockets very likely over Madhya Maharashtra, Gujarat State, south Haryana, Madhya Pradesh, Vidarbha and East Rajasthan.

- 05 April (Day 4): Heat Wave conditions in isolated pockets likely over Madhya Pradesh. Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Sub-Himalayan West Bengal & Sikkim. Thunderstorm accompanied with Duststorm, gusty winds (wind speed reaching 30-40 kmph) & lightning at isolated places likely over Punjab, Haryana, Chandigarh & Delhi, northeast Rajasthan and southwest Uttar Pradesh.
- 06 April (Day 5): Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning likely at isolated places likely over Bihar, Odisha, West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- The weather outlook for the period of seven days *i.e* 29 March to 05 April 2019 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Uttarakhand, West Bengal & Sikkim, Jharkhand, Odisha, Coastal Andhra Pradesh, South Interior Karnataka, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Eastern Uttar Pradesh

Weather condition:

Dry weather prevailed in Eastern Uttar Pradesh region of Uttar Pradesh state during past few days.

Contingency measure:

- Farmers are advised not to apply any irrigation in the standing crops during the week. They are advised to apply fertilizer in wheat crop at ear emergence stage.
- Farmers are advised for planting of spring sugarcane by using 50-60 q. setts/ha. Sowing of summer vegetables like bhindi, bottle gourd, cucumber, bitter gourd etc. may be done.
- In fallow fields sowing of summer moong/urd may be done as it is peak period of its sowing. Summer fodder like sudan, elephant grass etc. are advised for in the region.
- Planting of grapes may be done at 3 to 4 mt. distance with improved varieties like perlette, beauty seedless and pusa seedless.

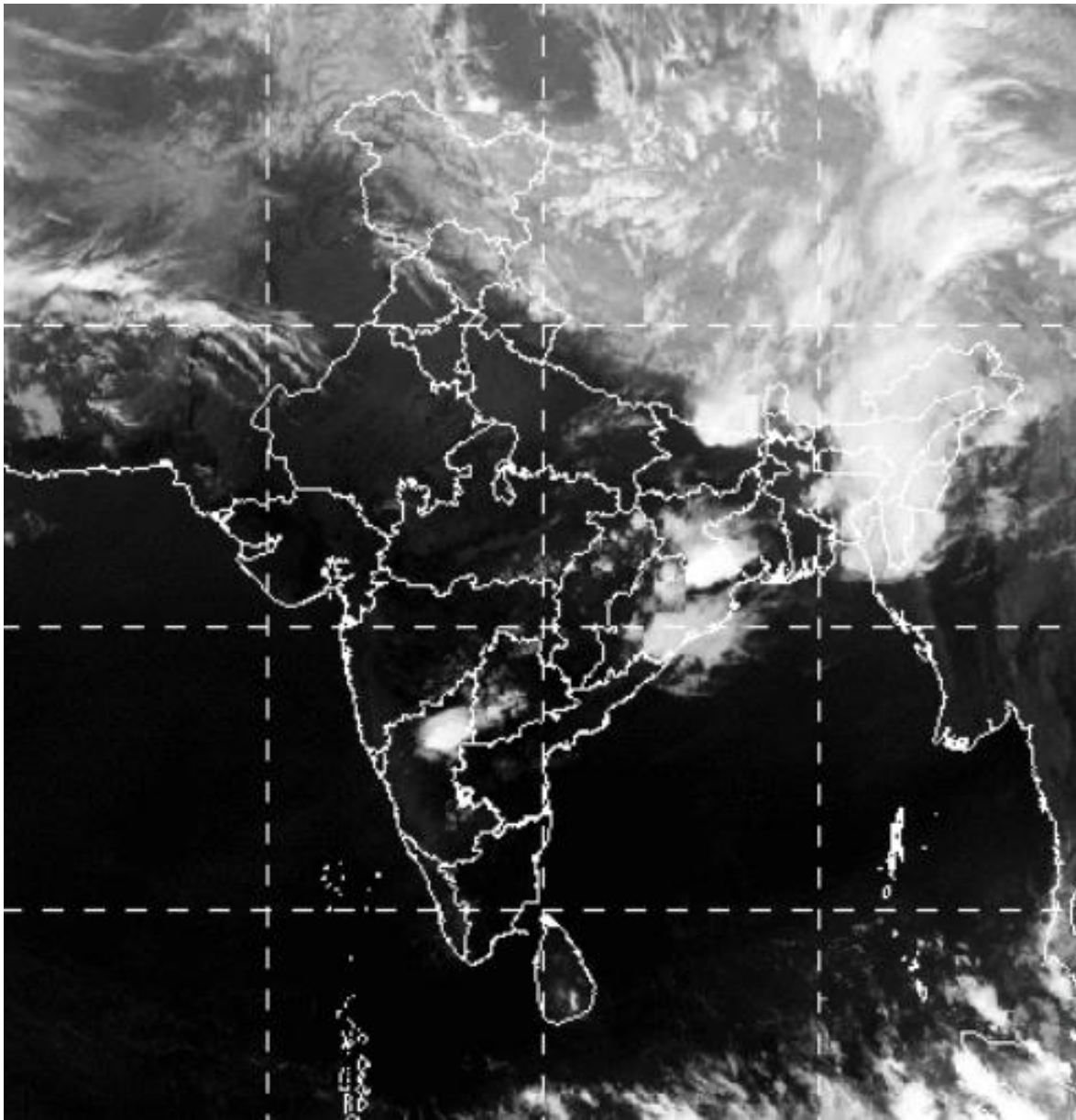


Figure: 1. Latest available satellite picture as on 02 April 2019 at 0230 Hrs (IST).

(Source: IMD).

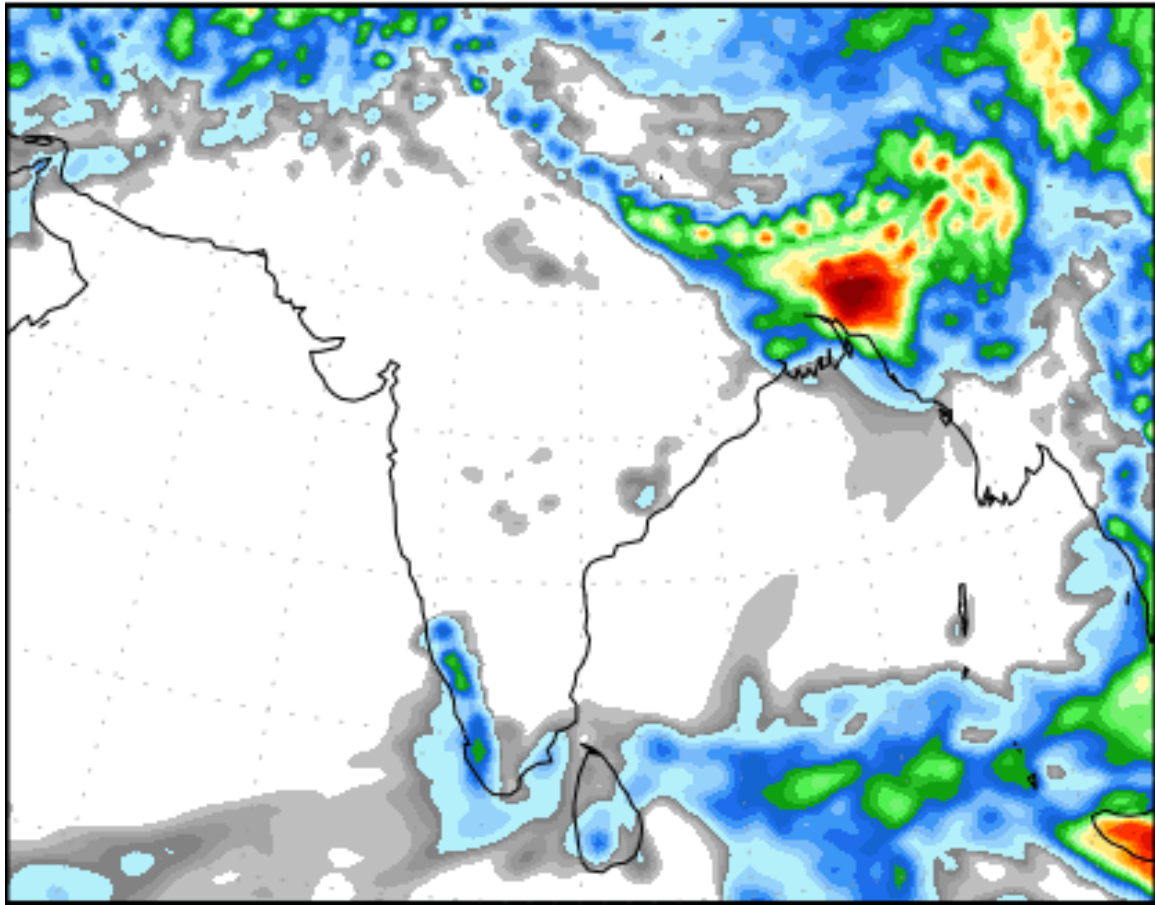


Figure: 2. Precipitation forecast for 02 to 09 April 2019 (Source: NOAA NCEP).