

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 07 April 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Major parts of the country is likely to experience Thundershowers during 07th to 12th April.
- Thunder squalls and isolated Hailstorm are very likely over parts of East and Northeast India during 07th to 9th April.
- An approaching Western Disturbance is likely to enhance the rain/snowfall over Western Himalayan Region and northern plains during 8th to 11th April. Isolated Thunder squalls and Hailstorm are also likely over the region during 8th to 10th April.
- Thundersquall with wind speed reaching 81 kmph affected parts of Delhi yesterday evening. Convective activity also resulted in isolated heavy rainfall over East Rajasthan (Pilani 9 cm), hailstorms over Jammu & Kashmir, Uttarakhand, Odisha and Marathwada (as per media reports).
- Thunderstorm observed at a few places over Jammu & Kashmir, Himachal Pradesh, Telangana, North Interior Karnataka and Chhattisgarh and at isolated places over East Uttar Pradesh, Rajasthan, Tripura and Odisha 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 recorded (from 0830 hours IST of yesterday to 0830 hours of today): Rain / thundershowers observed at many places over Jammu & Kashmir, Haryana, Chandigarh & Delhi, North Interior Karnataka and Nagaland, Manipur, Mizoram & Tripura; at a few places over Himachal Pradesh , Uttarakhand, Chhattisgarh, Odisha, Sub Himalayan West Bengal & Sikkim, Uttar Pradesh and Andaman & Nicobar Islands and at isolated places over Madhya Pradesh, East Rajasthan, Telangana and Tamilnadu.
- Maximum temperature departures as on 06.04.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over Jammu & Kashmir and Punjab; at many places over Himachal Pradesh and Uttarakhand; at a few places over Rajasthan and Madhya Pradesh; above normal (1.6°C to 3.0°C) at many places over Saurashtra & Kutch and Haryana, Chandigarh & Delhi. They were markedly below normal

(5.1°C or less) at many places over Bihar; appreciably below normal (3.1°C to 5.0°C) at a few places over West Bengal & Sikkim, Odisha and Tripura; at isolated places over Madhya Maharashtra and below normal (1.6°C to 3.0°C) at a few places over Assam & Meghalaya and Arunachal Pradesh and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 41.9°C was recorded at Umaria(East Madhya Pradesh) and Wardha (Vidarbha) over the plains of the country.

- Minimum temperature departures as on 07.04.2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at many places over East Madhya Pradesh; at a few places over Uttarakhand, Punjab and West Rajasthan; at isolated places over East Rajasthan; above normal (1.6°C to 3.0°C) at many places over Jammu & Kashmir, Himachal Pradesh, Saurashtra & Kutch, West Madhya Pradesh, Vidarbha, Bihar and West Bengal & Sikkim; at a few places over Gujarat region and at isolated places over Madhya Maharashtra and Kerala. They are below normal (1.6°C to 3.0°C) at a few places over Odisha and at isolated places over South Interior Karnataka and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 07 April (Day 1): Thunderstorm accompanied with squall and hail very likely at isolated places over Uttarakhand, Bihar, Jharkhand, Sub Himalayan West Bengal & Sikkim and Odisha. Thunderstorm accompanied with squall very likely at isolated places over Gangetic West Bengal, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds & lightning very likely at isolated places over Madhya Maharashtra and Marathwada. Thunderstorm accompanied with gusty winds very likely at isolated places over south Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Coastal Andhra Pradesh, Telangana, Rayalaseema and Interior Karnataka.
- 08 April (Day 2): Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds & lightning very likely at isolated places over Madhya Maharashtra and Marathwada. Thunderstorm accompanied with gusty winds very likely at isolated places over south Uttar Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Telangana, Interior Karnataka, Tamilnadu & Puducherry and Kerala.
- 09 April (Day 3): Thunderstorm accompanied with squall and hail likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Odisha. Thunderstorm accompanied with squall likely at isolated places over Uttar Pradesh, Jharkhand and West Bengal & Sikkim. Thunderstorm accompanied with gusty winds likely at isolated places over Haryana, Chandigarh & Delhi, Bihar and Coastal Andhra Pradesh. Dust storm/thunderstorm likely at isolated places over Rajasthan.
- 10 April (Day 4): Thunderstorm accompanied with squall and hail likely at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand. Thunderstorm accompanied with squall likely at isolated places over Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh. Thunderstorm accompanied with gusty winds & lightning very likely at isolated places over Marathwada. Dust storm/thunderstorm likely at isolated places over Rajasthan.

- 11 April (Day 5): Thunderstorm accompanied with squall likely at isolated places over Haryana, Chandigarh & Delhi. Thunderstorm accompanied with gusty winds likely at isolated places over Coastal Andhra Pradesh.
- The weather outlook for the period of seven days *i.e* 07 to 13 April 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Jammu & Kashmir, Uttarakhand, Himachal Pradesh, Sub Himalayan West Bengal & Sikkim, Uttar Pradesh, Haryana, Chandigarh & Delhi, East Rajasthan, Madhya Pradesh, Chhattisgarh, Odisha, North Interior Karnataka, Telangana, Andaman & Nicobar Islands and North eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

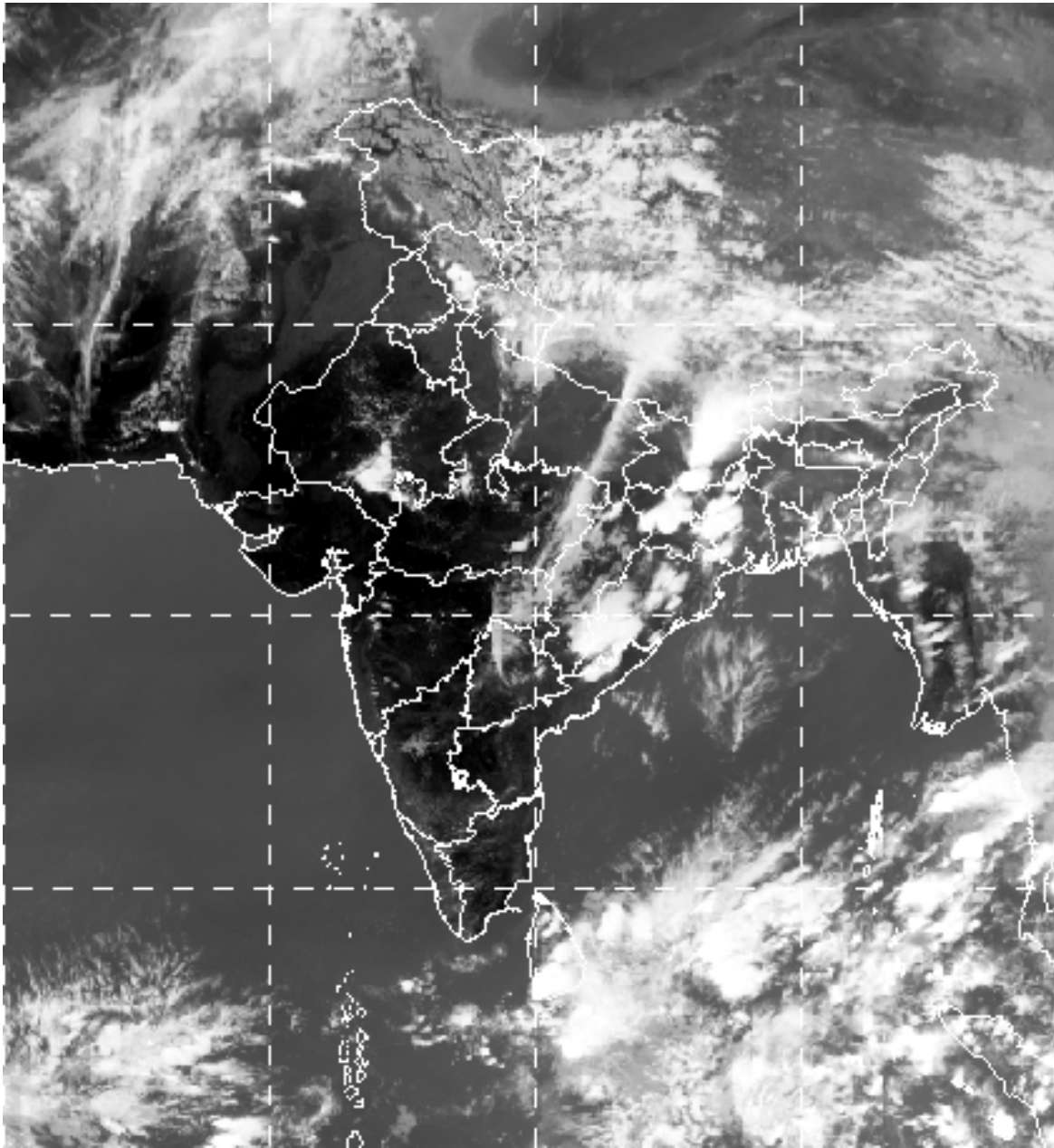
Madhya Maharashtra

Weather condition

Dry weather prevailed in Madhya Maharashtra region of Maharashtra state during past few days.

Contingency measure:

- The milk production increases if green fodder is supplied to animal. For that purpose do sowing of African tall variety of maize. Use sprinkler and drip irrigation system : Use sprinkler and drip irrigation system in summer season in order to save the water.
- Summer Sunflower : Complete the sowing of Summer Sunflower. Give irrigation according stage of crop.
- Summer Groundnut : Complete the sowing of Summer Groundnut. Give irrigation according to requirement of crop. Use sprinkler system for giving irrigation. Give irrigation according to soil requirement and growth stages. For Give irrigation at 8 to 10 days interval.
- Cucumber, Ridge gourd, Water melon : There is attack of hairy caterpillar on these crops. The affected leaves appear white. For control of this spray hostethion 2 ml or cypermethrin 0.5 ml per lit of water. Also use pheromone traps.
- Rose, Carnation. Banana : Scheduling of irrigation should be done according to increasing in temperature. Care should be taken for sprinkler sets. Give 8 to 10 lits of water per plant per day. Cover the soil with sugarcane trashes, wheat straw or organic matter. As banana leaves are large in size to avoid the transpiration spray mixture of 800 gm kaolin dissolved in 10 lits of water.
- Onion : There is attack aphid pest flies and blight disease on onion crop. For control of this spray neon 2 ml or acephet 0.5 gm plus diathen M-45 2.5 gm or chlorothalonil 2 gm and sticker 0.5 gm mixed in lit of water.



**Figure: 1. Latest available satellite picture as on 07 April 2018 at 0230 Hrs (IST).
(Source: IMD).**

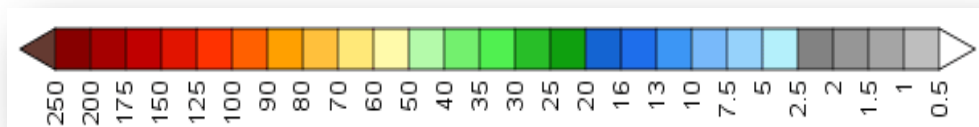
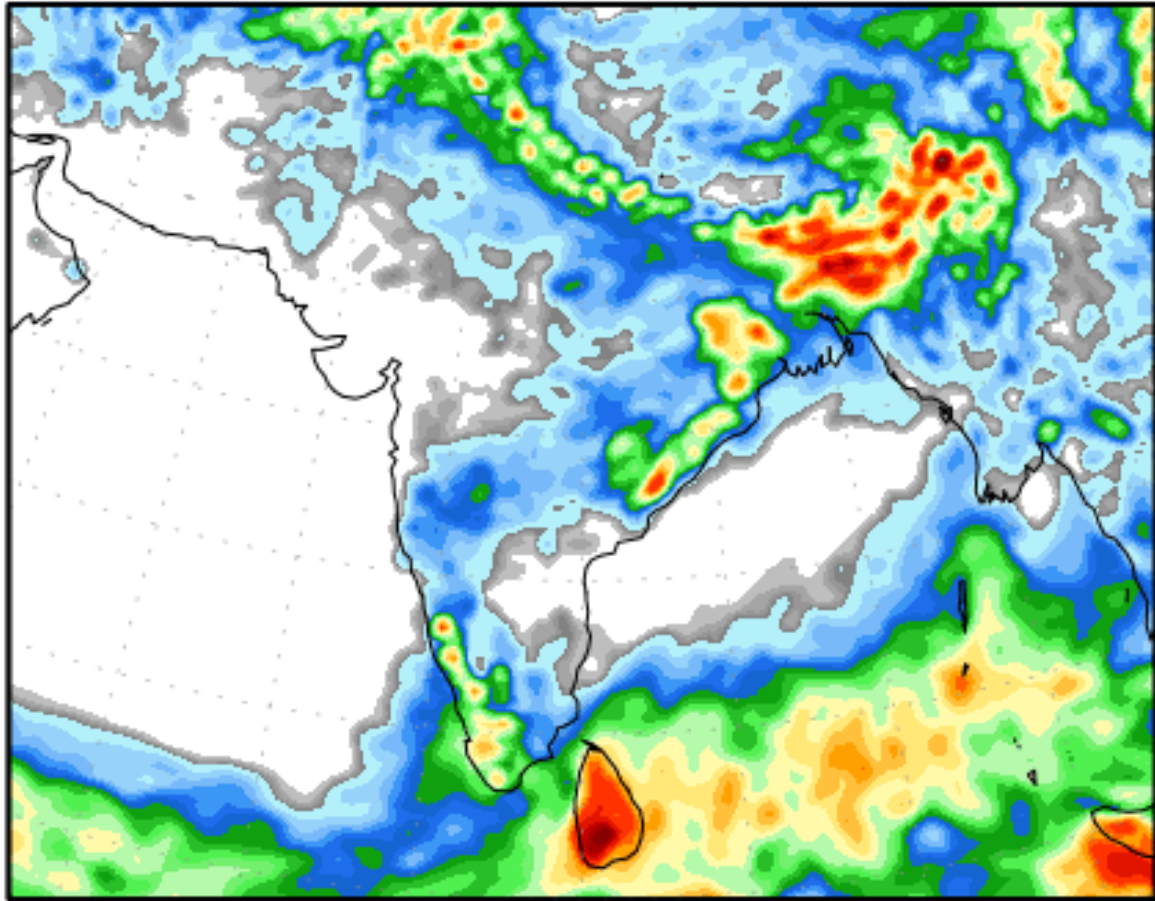


Figure: 2. Precipitation forecast for 07 to 13 April 2018 (Source: NOAA NCEP).