

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 06 April 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Convective instability has build up owing to heating during past several days. As a result, major parts of the country is likely to experience Thundershowers during 5th to 12th April.
- Thunder squalls and isolated Hailstorm are very likely over parts of east and northeast India during 5th to 8th 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.
- Yesterday, Isolated Thunder squalls and Hailstorm occurred over Assam & Meghalaya and Sub Himalayan West Bengal.
- Thunderstorm observed at isolated places over Jammu & Kashmir, Bihar, West Bengal & Sikkim, Assam & Meghalaya, Tripura, Odisha, Chhattisgarh, Madhya Maharashtra, Telangana and North Interior Karnataka from 0830 hours IST of yesterday to 0830 hours IST of today.
- Yesterday's heat wave and warm night conditions prevailed over one or two pockets of West Madhya Pradesh.
- 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 IST of today): Rain / thundershowers observed at most places over Arunachal Pradesh; at many places over Sub Himalayan West Bengal & Sikkim, Assam & Meghalaya and Andaman & Nicobar Islands; at a few places over North Interior Karnataka, Nagaland, Manipur, Mizoram & Tripura and Punjab and at isolated places over Himachal Pradesh, West Rajasthan, Madhya Maharashtra, Chhattisgarh, Odisha, Bihar and Gangetic West Bengal.
- Maximum temperature departures as on 05.04.2018: Maximum temperatures were markedly above normal (5.1°C or more) at many places over Jammu & Kashmir; appreciably above normal (3.1°C to 5.0°C) at most places over Uttarakhand and West Madhya Pradesh; at many places over Punjab, Haryana, Chandigarh & Delhi, Rajasthan and East Madhya Pradesh;

above normal (1.6°C to 3.0°C) at most places over West Uttar Pradesh and Vidarbha; at many places over Chhattisgarh, Madhya Maharashtra, Marathwada, Coastal Karnataka, Arunachal Pradesh and Assam & Meghalaya; at a few places over Nagaland, Manipur, Mizoram & Tripura and at isolated places over Konkan & Goa, Tamilnadu & Puducherry and Kerala. They were markedly below normal (5.1°C or less) at many places over Bihar; below normal (1.6°C to 3.0°C) at a few places over Gangetic West Bengal and at isolated places over Sub Himalayan West Bengal & Sikkim and Odisha.

- The highest maximum temperature of 43.2°C was recorded at Chandrapur (Vidharbha) over the plains of the country.
- Minimum temperature departures as on 06.04.2018: Minimum temperatures are markedly above normal (5.1°C or more) at a few places over Jammu & Kashmir; appreciably above normal (3.1°C to 5.0°C) at many places over Punjab, and Rajasthan; above normal (1.6°C to 3.0°C) at most places over Uttarakhand, West Uttar Pradesh, Madhya Maharashtra and Marathwada; at many places over Himachal Pradesh, Haryana, Chandigarh & Delhi, Madhya Pradesh, Gangetic West Bengal and Chhattisgarh; at a few places over Vidarbha and Andaman & Nicobar Islands. They are below normal (1.6°C to 3.0°C) at a few places over Odisha and at isolated places over Bihar, Coastal Andhra Pradesh, Rayalaseema and Tamilnadu & Puducherry and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 06 April (Day 1): Thunderstorm accompanied with squall and hail very likely at isolated places over Sub Himalayan West Bengal & Sikkim and Assam & Meghalaya. Thunderstorm accompanied with squall very likely at isolated places over Gangetic West Bengal, Jharkhand 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 interior Tamilnadu, north Kerala, Interior Karnataka, Telangana, West Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, Haryana, Chandigarh & Delhi and South West Uttar Pradesh. Dust/thunderstorms very likely at isolated places over Rajasthan.
- 07 April (Day 2): Heavy rain very likely at isolated places over Meghalaya. Thunderstorm accompanied with squall and hail very likely at isolated places over Gangetic West Bengal, Jharkhand and Odisha. Thunderstorm accompanied with squall very likely at isolated places over Bihar, 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 interior Tamilnadu, Interior Karnataka, Telangana, Vidarbha, Chhattisgarh, and Sub Himalayan West Bengal & Sikkim.
- 08 April (Day 3) Heavy rain very likely at isolated places over Sub Himalayan West Bengal & Sikkim. Thunderstorm accompanied with squall and hail very likely at isolated places over Uttarakhand and Odisha. Thunderstorm accompanied with squall very likely at isolated places over Sub Himalayan West Bengal & Sikkim, Bihar, north Uttar Pradesh and Punjab. Thunderstorm accompanied with gusty winds & lightning very likely at isolated places over

Madhya Maharashtra, Marathwada and south Konkan & Goa. Thunderstorm accompanied with gusty winds very likely at isolated places over interior Tamilnadu, Kerala, Interior & Coastal Karnataka, Vidarbha, Chhattisgarh, Jharkhand, Gangetic West Bengal and East Madhya Pradesh.

- 09 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. Thunderstorm accompanied with gusty winds likely at isolated places over Kerala, and Haryana, Chandigarh & Delhi.
- 09 April (Day 5): 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 and north Uttar Pradesh. Thunderstorm accompanied with gusty winds likely at isolated places over Haryana, Chandigarh & Delhi.
- The weather outlook for the period of seven days *i.e* 06 to 12 April 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Himachal Pradesh, Punjab, West Rajasthan, Bihar, Chhattisgarh, Odisha, Madhya Maharashtra, North Interior Karnataka, Andaman & Nicobar Islands and North eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Himachal Pradesh

Weather condition

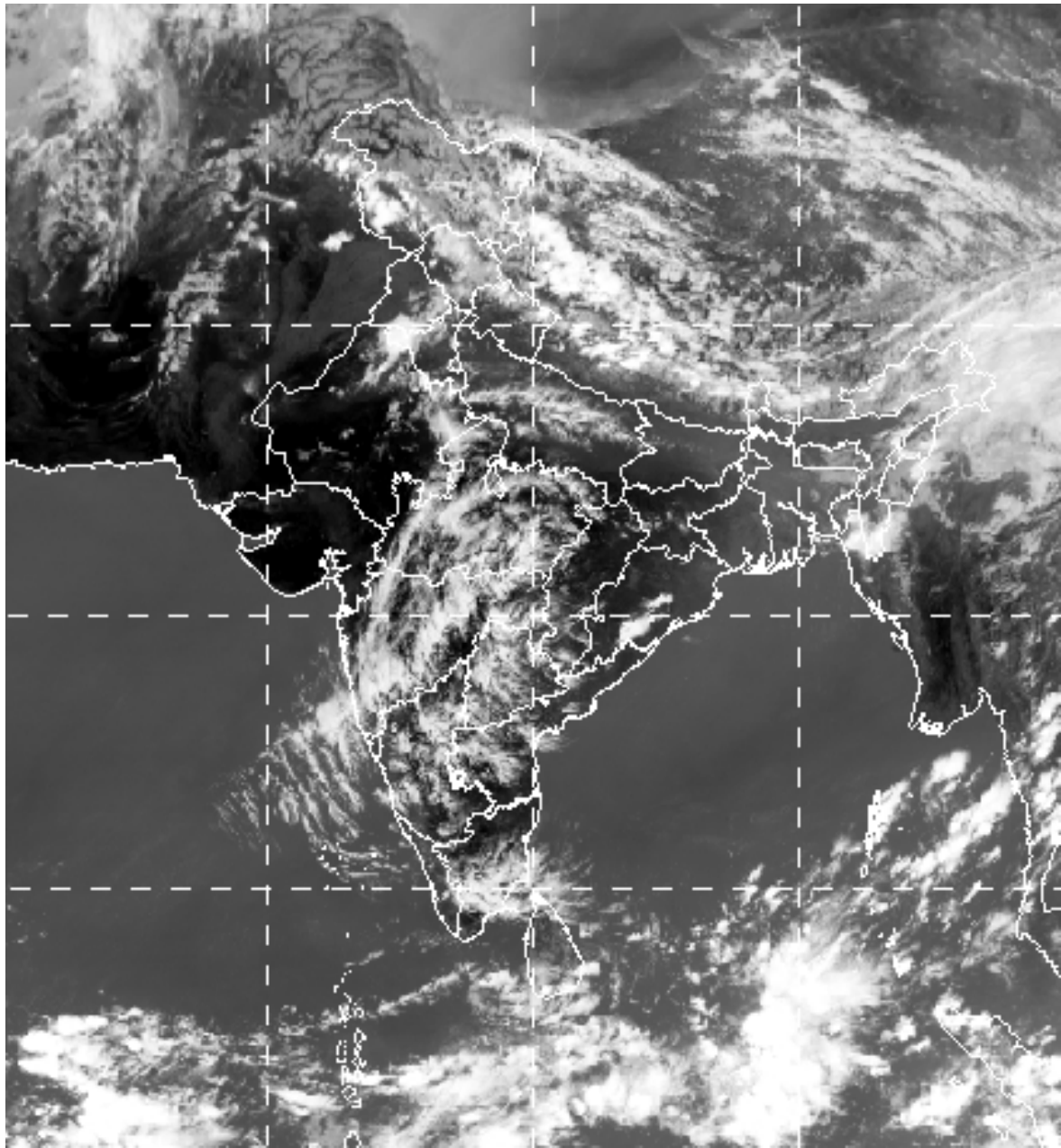
Clear and dry weather prevailed in Himachal Pradesh state during past few days. Maximum temperature ranged between 25.5 to 28.0°C and the minimum between 11.0 to 15.0 °C which remained above normal by 3.6 to 6.5 °C and 0.2 to 3.6°C, respectively.

Contingency measure:

- Weather is conducive for attack of stored grains pests like rice weevil, lesser grain borer and rice moth. In grain store bins put one pouch of celhpos (3g) or quickphos (12g) or Fumino pouch in a wet cloth in the middle of bin and keep the bin airtight. Keeping in view of weather, farmers are advised for monitoring of mustard crop against aphid attack.
- For control of aphid in mustard crop, if insect population above ETL than spraying of Rogor or Quinalphos @ 2.0 ml/litre water. In wheat crop, if symptoms of termite appear than application of mixture of 20 kg sand with Chlorpyrifos 20 EC @ 2.0 litre should be done in evening hours and subsequent irrigation is recommended.
- In areas where symptoms of yellow rust are appearing in the wheat crop in the form of yellow powder/stripes on the leaves, then the farmers are advised to spray the fungicides with the appearance of the symptoms. These are tilt (Propiconazole) 25 EC/folicure

(Tebuconazole) 25 EC/bayletan 25 WP @0.1% i.e. 30ml or 30 g per 30 litres of water per kanal and repeat the spray after 15 days interval. This treatment also provides protection against powdery mildew and Karnal bunt disease, beside rust.

- Keeping in view of relative humidity farmers are advised for monitoring of mustard crop against attack of white rust. If infection is high than spraying of Dithane-M-45 @ 2 gram/ litre of water or Chlorothalonil 75 WP @1 gram/ litre of water is advised.



**Figure: 1. Latest available satellite picture as on 06 April 2018 at 0230 Hrs (IST).
(Source: IMD).**

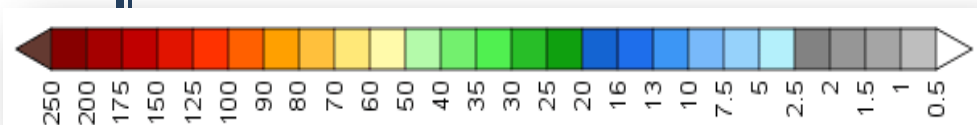
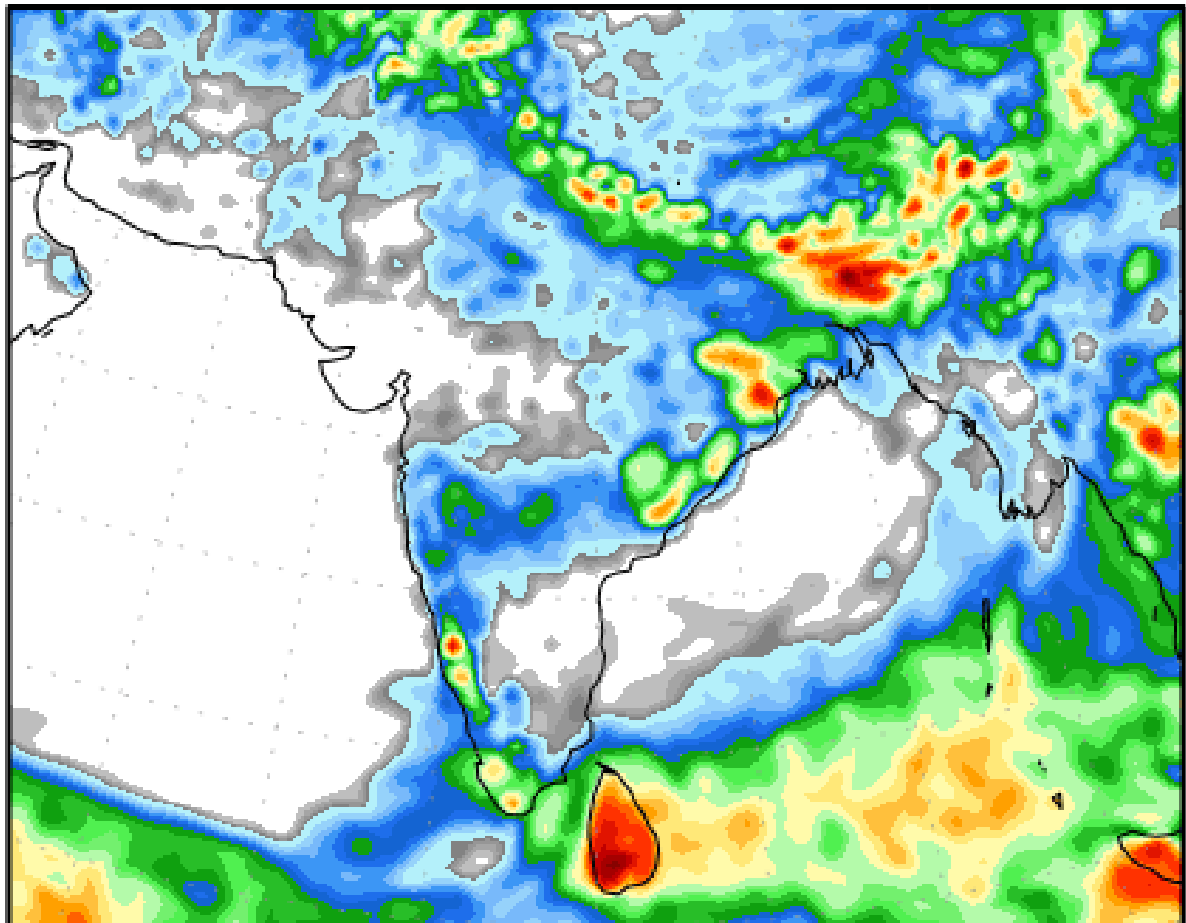


Figure: 2. Precipitation forecast for 06 to 12 April 2018 (Source: NOAA NCEP).