

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 05 April 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Instability in the lower levels in association with the northsouth trough is likely to cause dust raising winds over parts of northern plains during next 48 hours.
- The northsouth trough is likely to strengthen and cause isolated to scattered thunderstorms/gusty winds/lightning over major parts of India from 6th April.
- Scattered to fairly widespread rainfall with isolated thunderstorms/squall/hailstorms likely over parts of east & northeast India during 5th to 8th April. Also Western Himalayan region is likely to experience enhanced weather from 8th April.
- Yesterday, Keongjhar in Odisha reported Hailstorm.
- No major heat wave conditions are likely during the forecast period after 24 hours.
- Yesterday, Heat wave conditions prevailed over some parts of West Rajasthan.
- Thunderstorm observed at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, Jharkhand, Punjab, east Madhya Pradesh, south Chhattisgarh and Coastal Andhra Pradesh from 1130 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 IST of today): Rain / thundershowers observed at a few places over Uttarakhand, Andaman & Nicobar Islands and Odisha; at isolated places over Bihar, Punjab, Arunachal Pradesh, Assam & Meghalaya, Manipur, Sub Himalayan West Bengal & Sikkim, Coastal Andhra Pradesh, Vidarbha and North Interior Karnataka.
- Maximum temperature departures as on 04.04.2018: Maximum temperatures were markedly above normal (5.1°C or more) at many places over Jammu & Kashmir; at a few places over Himachal Pradesh and Haryana, Chandigarh & Delhi; at isolated places over Assam & Meghalaya and Rajasthan; appreciably above normal (3.1°C to 5.0°C) at many places over Uttarakhand and Punjab; at a few places over Madhya Pradesh, Assam & Meghalaya and

Rajasthan; at isolated places over Vidharbha; above normal (1.6°C to 3.0°C) at many places over Gujarat, Vidarbha and Marathawada; at isolated places over Sub Himalayan West Bengal & Sikkim. They were appreciably below normal (3.1°C to 5.0°C) at isolated places over north Odisha; below normal (1.6°C to 3.0°C) at many places over Gangetic West Bengal. Yesterday, the highest maximum temperature of 43.2°C was recorded at Chandrapur (Vidharbha) over the plains of the country.

- Minimum temperature departures as on 05.04.2018: Minimum temperatures are markedly above normal (5.1°C or more) at many places over Punjab; at a few places over Jammu & Kashmir and Rajasthan; at isolated places over Haryana, Chandigarh & Delhi; appreciably above normal (3.1°C to 5.0°C) at many places over West Uttar Pradesh; at a few places over Himachal Pradesh and Gujarat Region; at isolated places over Madhya Pradesh and Madhya Maharashtra; above normal (1.6°C to 3.0°C) at most places over Sub Himalayan West Bengal & Sikkim and Saurashtra & Kutch; at many places over East Uttar Pradesh, Vidharbha and Marathwada; at a few places over Assam & Meghalaya, Bihar and Andaman & Nicobar Islands; at isolated places over rest Madhya Pradesh and Tamilnadu & Puducherry. They are markedly below normal (5.1° C or less) at a few places over Odisha and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 05 April (Day 1): Thunderstorm accompanied with squall and hail very likely at isolated places over Sub Himalayan West Bengal & Sikkim and Bihar. Thunderstorm accompanied with squall very likely at isolated places over Gangetic West Bengal & Jharkhand. Thunderstorm accompanied with gusty winds very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, interior Tamilnadu, Kerala, South Interior Karnataka, north Coastal Andhra Pradesh, Telangana, north Odisha. Heat wave conditions very likely to prevail at one or two pockets over West Rajasthan and West Madhya Pradesh. Warm Night conditions very likely to prevail at one or two pockets over Rajasthan, south Haryana, West Madhya Pradesh and West Uttar Pradesh.
- 06 April (Day 2): Thunderstorm accompanied with squall and hail very likely at isolated places over Sub Himalayan West Bengal & Sikkim. Thunderstorm accompanied with squall very likely at isolated places over Bihar. Thunderstorm accompanied with gusty winds & lightning very likely at isolated places over North Interior Karnataka, Madhya Maharashtra, Marathwada, Vidarbha. Thunderstorm accompanied with gusty winds very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka, Telangana, Chhattisgarh, Jharkhand, Gangetic West Bengal.
- 07 April (Day 3): Thunderstorm accompanied with squall and hail likely at isolated places over Assam & Meghalaya, Odisha and Jharkhand. Thunderstorm accompanied with squall likely at isolated places over Nagaland, Manipur, Mizoram & Tripura and Gangetic West Bengal. Thunderstorm accompanied with gusty winds and lightning likely at isolated places over Madhya Maharashtra, Marathwada, Vidarbha and Telangana. Thunderstorm accompanied with gusty winds likely at isolated places over north Coastal Andhra Pradesh, Chhattisgarh and West Uttar Pradesh.

- 08 April (Day 4): Thunderstorm accompanied with squall likely at isolated places over Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds likely at isolated places over interior Tamilnadu, Kerala, South Interior Karnataka, Coastal Karnataka, Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and north Rajasthan.
- 09 April (Day 5): Thunderstorm accompanied with gusty winds likely at isolated places over Kerala, Uttarakhand, Himachal Pradesh, Jammu & Kashmir, Punjab, Haryana, Chandigarh & Delhi, East Uttar Pradesh and Odisha.
- The weather outlook for the period of seven days *i.e* 05 to 11 April 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Uttarakhand, Sub Himalayan West Bengal & Sikkim Punjab, Bihar, Odisha, Coastal Andhra Pradesh, Vidarbha, North Interior Karnataka, Andaman & Nicobar Islands and North eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Haryana

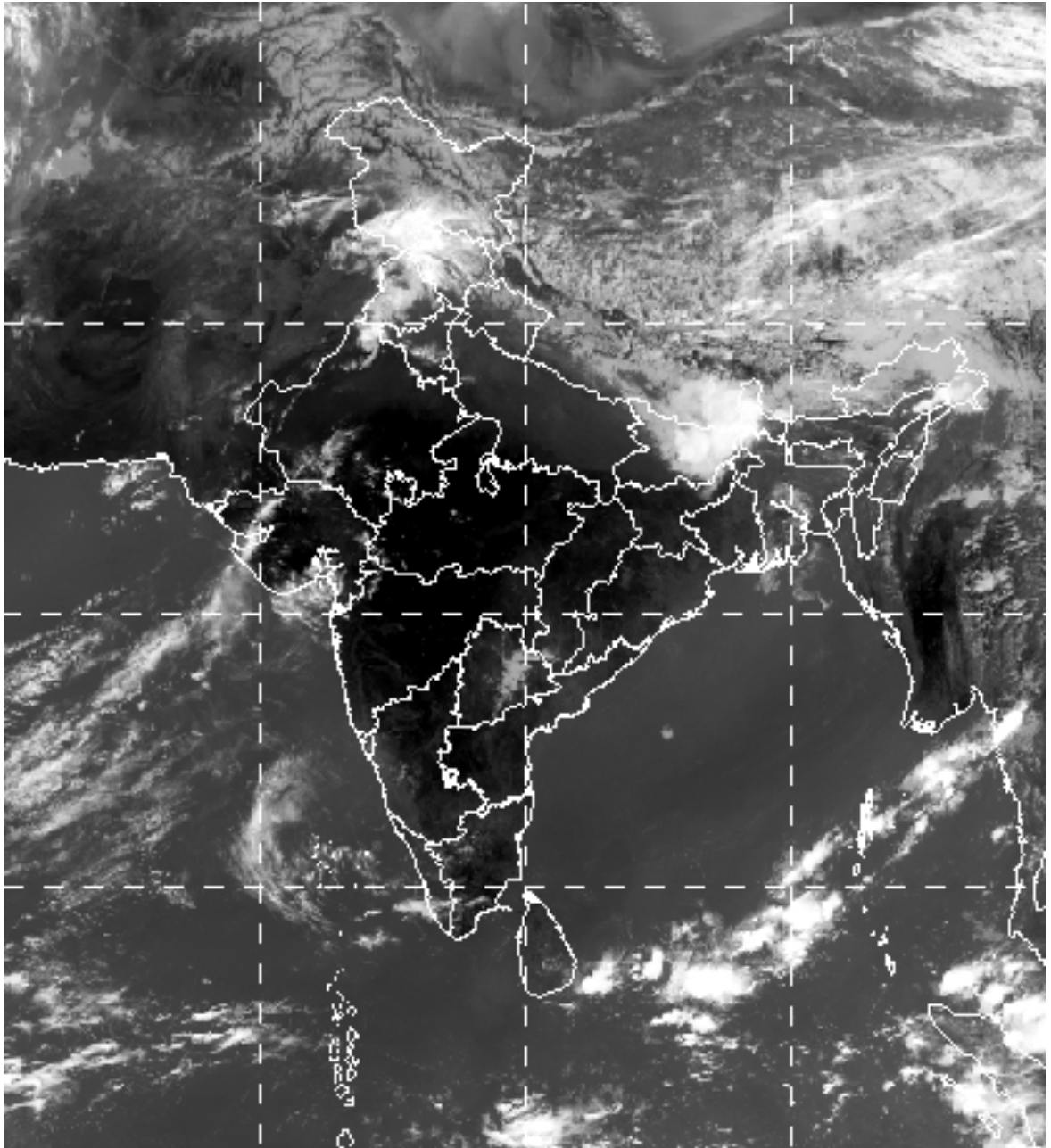
Weather condition

Clear and dry weather prevailed in Haryana state during past few days. Both maximum temperature and minimum temperatures were observed above normal.

Contingency measure:

- General advisory: Partly Cloudy weather likely to prevalent during the period. Chances of thunder shower at isolated places after 06 April. Farmers are advised to temporarily withhold sowing of moong and spring sugarcane.
- Wheat: Due to possibility of light rainfall, farmers are advised to temporarily withhold harvesting.
- Mustard: Farmers are advised to keep variable weather in mind, while threshing and storage of mustard.
- Moong: Keep variable weather in mind, while land preparation and sowing of moong.
- Sugarcane: Withhold sowing of spring sugarcane till 07 April due to light rainfall.
- Berseem (Egyptian clover): While harvesting of berseem for fodder to feed livestock, Keep weather in mind.
- Vegetables: Withhold irrigation due to thundershower rainfall.

- Live stock: Keep the animals in shed during high wind speeds and thundershowers..



**Figure: 1. Latest available satellite picture as on 05 April 2018 at 0230 Hrs (IST).
(Source: IMD).**

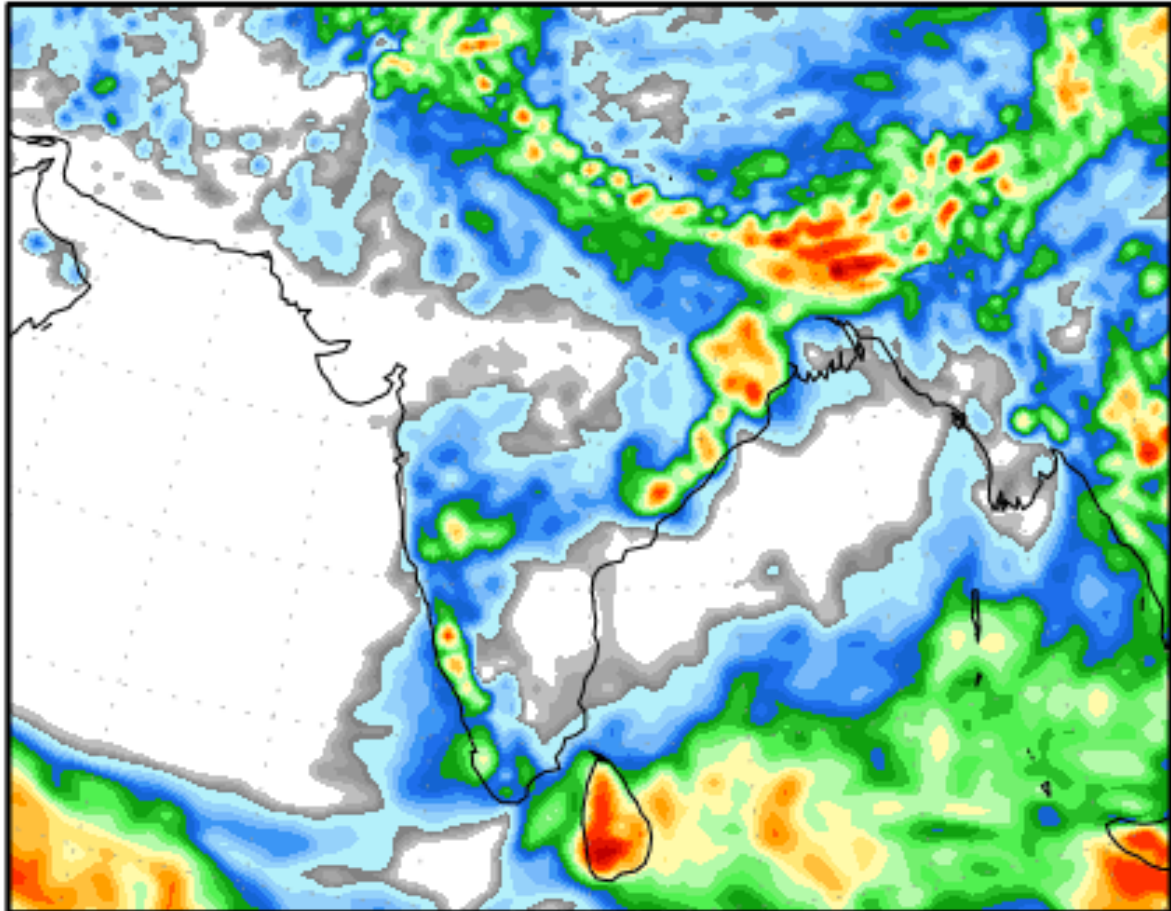


Figure: 2. Precipitation forecast for 05 to 11 April 2018 (Source: NOAA NCEP).