

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 12 April 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Northeastern India is likely to experience fairly widespread precipitation during next 4 days. Isolated thunder squalls are likely over these regions during next 48 hours with possibility of hailstorms over Assam & Meghalaya. Heavy rains are also likely over Arunachal Pradesh and Assam & Meghalaya during next 48 hours. Isolated thunderstorm activity likely to continue over parts of East & peninsular India during next 3-4 days.
- Due to eastwards movement of Western disturbance and northwesterly/westerly flow over northwest & central India causing significant reduction in thunderstorm activity and rise in day temperatures by 2-3°C over northwest, west and central India from today onwards.
- Thunderstorm with hail observed at isolated places over Bihar; Thunderstorm observed at many places over Gangetic West Bengal; at a few places over Madhya Pradesh, Kerala and Odisha and at isolated places over Assam & Meghalaya, Uttarakhand, Uttar Pradesh, Gujarat, Rajasthan, Interior Karnataka, Kerala, Tamilnadu & Puducherry, Nagaland, Manipur, Mizoram & Tripura, Chhattisgarh and Jharkhand 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 observed (from 0830 hours IST of yesterday to 0830 hours IST of today): Rain / thundershowers at most places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Uttar Pradesh, Gangetic West Bengal, Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and Kerala; at many places over East Rajasthan, Vidharbha and Nicobar Islands; at a few places over East Madhya Pradesh, Jharkhand, Sub Himalayan West Bengal & Sikkim and south Tamilnadu & Puducherry at isolated places over West Rajasthan, Punjab, Bihar, West Madhya Pradesh, Marathwada, south Madhya Maharashtra, Saurashtra & Kutch, interior Karnataka and Lakshadweep.
- Maximum temperature departures as on 11.04.2018: Maximum temperatures were above normal (1.6°C to 3.0°C) at many places over Konkan & Goa; at isolated places over Saurashtra & Kutch, Coastal Karnataka and Kerala. They were markedly below Normal (5.1°C or Less) at many places over Himachal Pradesh, Haryana; at a few places over Punjab; at isolated places over West Uttar Pradesh; appreciably below normal (3.1°C to

5.0°C) at a few places over East Uttar Pradesh; at isolated places over Assam & Meghalaya, West Bengal & Sikkim, Vidarbha and Madhya Pradesh; below normal (1.6 °C to 3.0°C) at many places over Telangana and Chhattisgarh; at a few places over Marathwada; at isolated places over Rajasthan, East Madhya Pradesh, Vidarbha, Madhya Maharashtra, coastal Andhra Pradesh, Tamilnadu and Odisha. Today, the highest maximum temperature of 40.8°C recorded at Chandrapur (Vidarbha) and Surendranagar (Saurashtra & Kutch) over the plains of the country.

- Minimum temperature departures as on 12.04.2018: Minimum temperatures are above normal (1.6°C to 3.0°C) at most places over Gujarat region; at many places over Sub Himalayan West Bengal & Sikkim and Saurashtra & Kutch; at isolated places over East Rajasthan, Madhya Pradesh and Assam & Meghalaya. They are appreciably below normal (3.1°C to 5.0°C) at many places over Gangetic West Bengal; at a few places over North Interior Karnataka; at isolated places over Punjab; below normal (1.6°C to 3.0°C) at most places over Haryana, Chandigarh & Delhi, West Uttar Pradesh and Marathwada; at many places over Uttarakhand; at a few places over Jammu & Kashmir and Vidharbha; at isolated places over Madhya Maharashtra and Tamilnadu & Puducherry and near normal over rest parts of the country.

Weather Warning during next 5 days (IMD)

- 12 April (Day 1): Heavy rain very likely at isolated over Assam & Meghalaya and Arunachal Pradesh. Thunderstorm accompanied with squall and hail very likely at isolated places over Assam & Meghalaya. Thunderstorm accompanied with squall very likely at isolated places over Jharkhand, Sub Himalayan West Bengal & Sikkim, Odisha and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds very likely at isolated places over Uttar Pradesh, East Rajasthan, Bihar, Gangetic West Bengal, Karnataka, Tamilnadu and Kerala.
- 13 April (Day 2): Heavy rain very likely at isolated over Assam & Meghalaya and Arunachal Pradesh. Thunderstorm accompanied with squall and hail very likely at isolated places over Assam & Meghalaya. Thunderstorm accompanied with squall very likely at isolated places over West Bengal & Sikkim and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds very likely at isolated places over Jharkhand, Odisha, Karnataka, Tamilnadu and Kerala.
- 14 April (Day 3): Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya. Thunderstorm accompanied with gusty winds very likely at isolated places over Odisha, north Coastal Andhra Pradesh, Karnataka, Tamilnadu and Kerala.
- 15 April (Day 4): No Weather Warning.
- 16 April (Day 5): Thunderstorm accompanied with squall likely at isolated places over Jammu & Kashmir and Himachal Pradesh.
- The weather outlook for the period of seven days i.e 12 to 18 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, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Rajasthan, Uttar Pradesh, Gangetic West Bengal, Sub Himalayan West Bengal & Sikkim Madhya Pradesh, Bihar, Jharkhand, Vidharbha Marathwada, south Madhya Maharashtra, Saurashtra & Kutch, interior Karnataka, Kerala, south Tamilnadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

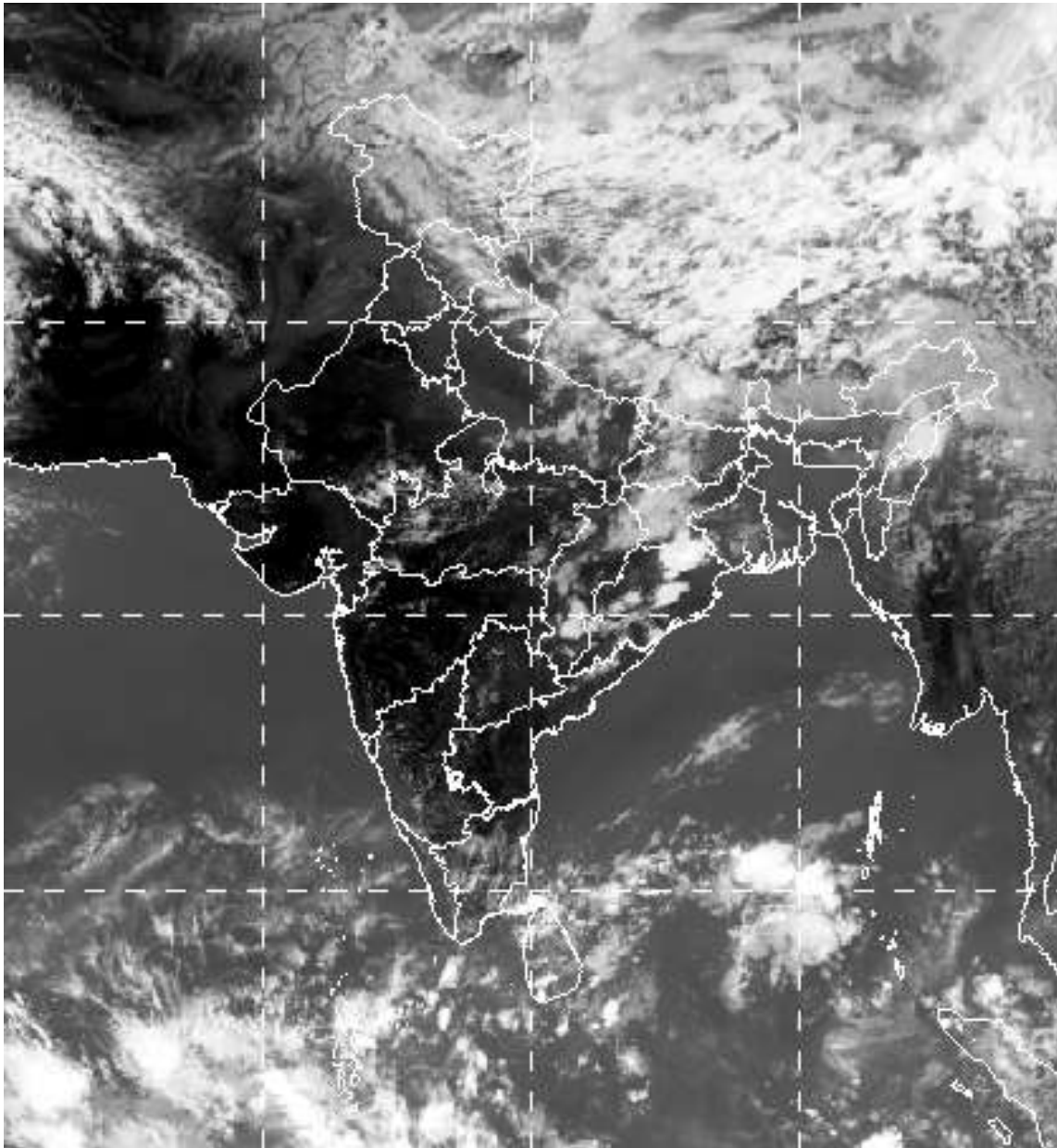
Haryana

Weather condition

Mainly dry weather observed in Haryana state during past few days. Minimum and maximum temperature was observed above normal.

Contingency measure:

- General advisory: Light to moderate rain/thundershowers with gusty winds likely at isolated places on from 10th to 12th April and weather likely to be dry thereafter in the state. Farmers are advised to temporarily withhold harvesting of wheat crop.
- Wheat: Due to possibility of light rainfall, farmers are advised to temporarily withhold harvesting upto 13th April.
- Mustard: Farmers are advised to keep variable weather in mind, while threshing and storage of mustard.
- Moong: Temporarily withhold first irrigation till 13th April in moong.
- Sugarcane: Keep changing weather in mind, while harvesting of late sown sugarcane. Do the cultural practices to avoid weeds and conserve the soil moisture in spring sown sugarcane.
- Berseem (Egyptian clover): Keep weather in mind while harvesting of berseem for fodder to feed livestock.
- Vegetables: If possible, withhold irrigation due to thundershower rainfall.
- Live stock: Keep the animals in shed, while high wind speeds and thundershowers. Provide ample amount water to drink.



**Figure: 1. Latest available satellite picture as on 12 April 2018 at 0230 Hrs (IST).
(Source: IMD).**

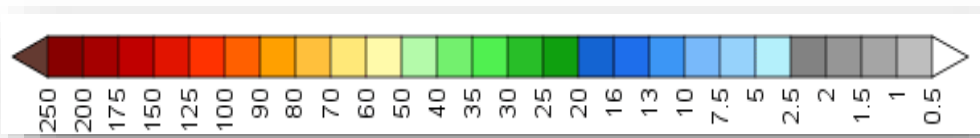
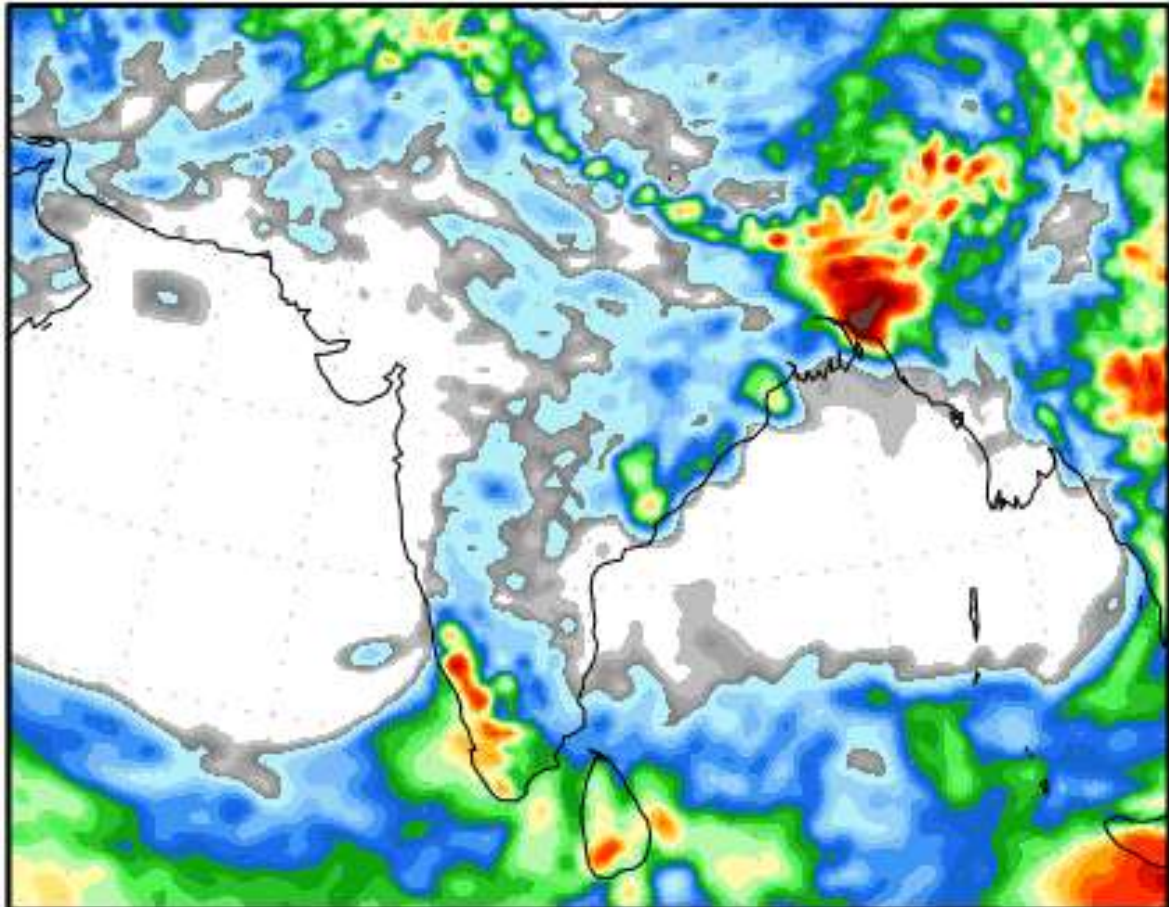


Figure: 2. Precipitation forecast for 12 to 18 April 2018 (Source: NOAA NCEP).