

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 11 April 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The fairly widespread to widespread precipitation over Western Himalayan region and scattered to fairly widespread rainfall over adjoining northern plains in association with Western Disturbance is likely to continue during next 24 hours and decrease thereafter. Isolated thunder squalls and hailstorms are also likely over these regions during today.
- Northeastern states and adjoining eastern India is likely to experience fairly widespread precipitation during next 4-5 days. Isolated thunder squalls are likely over these regions during next 48 hours with possibility of hailstorms over Assam & Meghalaya and Manipur & Mizoram. Heavy rains are also likely over Arunachal Pradesh and Assam & Meghalaya during 12th to 14th April.
- Day temperatures are likely to rise by 2-3°C over major parts of the country from tomorrow.
- Thunderstorm observed at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, West Uttar Pradesh, Rajasthan, Madhya Pradesh, Madhya Maharashtra, Vidarbha, West Bengal & Sikkim, Odisha, Interior Karnataka, Assam & Meghalaya, Chhattisgarh, Jharkhand, Rayalaseema, Tamilnadu & Puducherry and Andaman & Nicobar Islands 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 observed (from 0830 hours IST of yesterday to 0830 hours IST of today): Rain / thundershowers observed at most places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Sub Himalayan West Bengal & Sikkim and Nagaland, Manipur, Mizoram & Tripura; at many places over Vidarbha, Assam & Meghalaya and Arunachal Pradesh; at a few places over Kerala and south Tamilnadu; at isolated places over Haryana, Chandigarh & Delhi, Uttar Pradesh, Bihar, Madhya Pradesh, Rajasthan, Chhattisgarh, Odisha, Gangetic West Bengal, Marathwada, Telangana, interior Karnataka and Andaman & Nicobar Islands.
- Maximum temperature departures as on 10.04.2018: Maximum temperatures were above normal (1.6°C to 3.0°C) at many places over Konkan & Goa, Coastal Karnataka and Kerala; at a few places over Punjab, Haryana, Chandigarh & Delhi ,Rajasthan, Saurashtra & Kutch

and West Madhya Pradesh. They were markedly below Normal (5.1°C or Less) at a few places over Jammu & Kashmir; appreciably below normal (3.1°C to 5.0°C) at many places over Gangetic West Bengal; at a few places over Assam & Meghalaya, Odisha and Bihar and below normal (1.6°C to 3.0°C) at most places over East Uttar Pradesh and Sub Himalayan West Bengal & Sikkim and at a few places over Telangana, North Interior Karnataka and Tamilnadu & Puducherry.

- Yesterday, the highest maximum temperature of 41.4°C was recorded at Akola (Vidarbha) over the plains of the country.
- Minimum temperature departures as on 11.04.2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at a few places over West Rajasthan & West Madhya Pradesh; at isolated places over East Rajasthan; above normal (1.6°C to 3.0°C) at many places over Saurashtra & Kutch; at a few places over Himachal Pradesh, East Madhya Pradesh, Gujarat region and Andaman & Nicobar Islands; at isolated places over Jammu & Kashmir, Haryana, Chandigarh & Delhi and Uttar Pradesh. They are appreciably below normal (3.1°C to 5.0°C) at a few places over Vidarbha; at isolated places over Gangetic West Bengal and southeast Madhya Pradesh; below normal (1.6°C to 3.0°C) at many places over Chhattisgarh; at a few places over Odisha; at isolated places over Coastal Andhra Pradesh, Kerala & south Tamilnadu and near normal over rest parts of the country.

Weather Warning during next 5 days (IMD)

- 11 April (Day 1): Thunderstorm accompanied with squall and hail very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, West Uttar Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with squall very likely at isolated places over East Uttar Pradesh, Bihar and Sub Himalayan West Bengal & Sikkim. Thunderstorm accompanied with gusty winds very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, East Rajasthan, Madhya Pradesh, Vidharbha, Jharkhand, Gangetic West Bengal, Odisha, interior Karnataka, and Tamilnadu & Puducherry. Heat wave conditions likely at one or two pockets over southwest Rajasthan.
- 12 April (Day 2): Heavy rainfall very likely at isolated over Assam & Meghalaya and Arunachal Pradesh. Thunderstorm accompanied with squall and hail very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds very likely at isolated places over Uttarakhand, East Uttar Pradesh, Bihar, West Bengal & Sikkim, Odisha, north coastal Andhra Pradesh, South Interior Karnataka and Kerala. Heat wave conditions very likely at one or two pockets over southwest Rajasthan.
- 13 April (Day 3): Heavy rainfall likely at isolated over Assam & Meghalaya and Arunachal Pradesh. Thunderstorm accompanied with gusty winds and hail very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with squall very likely at isolated places over Gangetic West Bengal, Jharkhand and Odisha. Thunderstorm accompanied with gusty winds very likely at isolated places over Bihar, Sub Himalayan West Bengal & Sikkim, north coastal Andhra Pradesh, Tamilnadu and Kerala. Heat wave conditions likely in some parts of West Rajasthan.

- 14 April (Day 4): Heavy rainfall likely at isolated over Arunachal Pradesh. Heat wave conditions likely in some parts of West Rajasthan.
- 15 April (Day 5): Heat wave conditions likely in some parts of West Rajasthan.
- The weather outlook for the period of seven days *i.e* 11 to 17 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, Uttar Pradesh, Bihar, Madhya Pradesh, Rajasthan, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Chhattisgarh, Odisha, Vidarbha, Marathwada, Telangana, interior Karnataka, south Tamilnadu, Andaman & Nicobar Islands and North eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

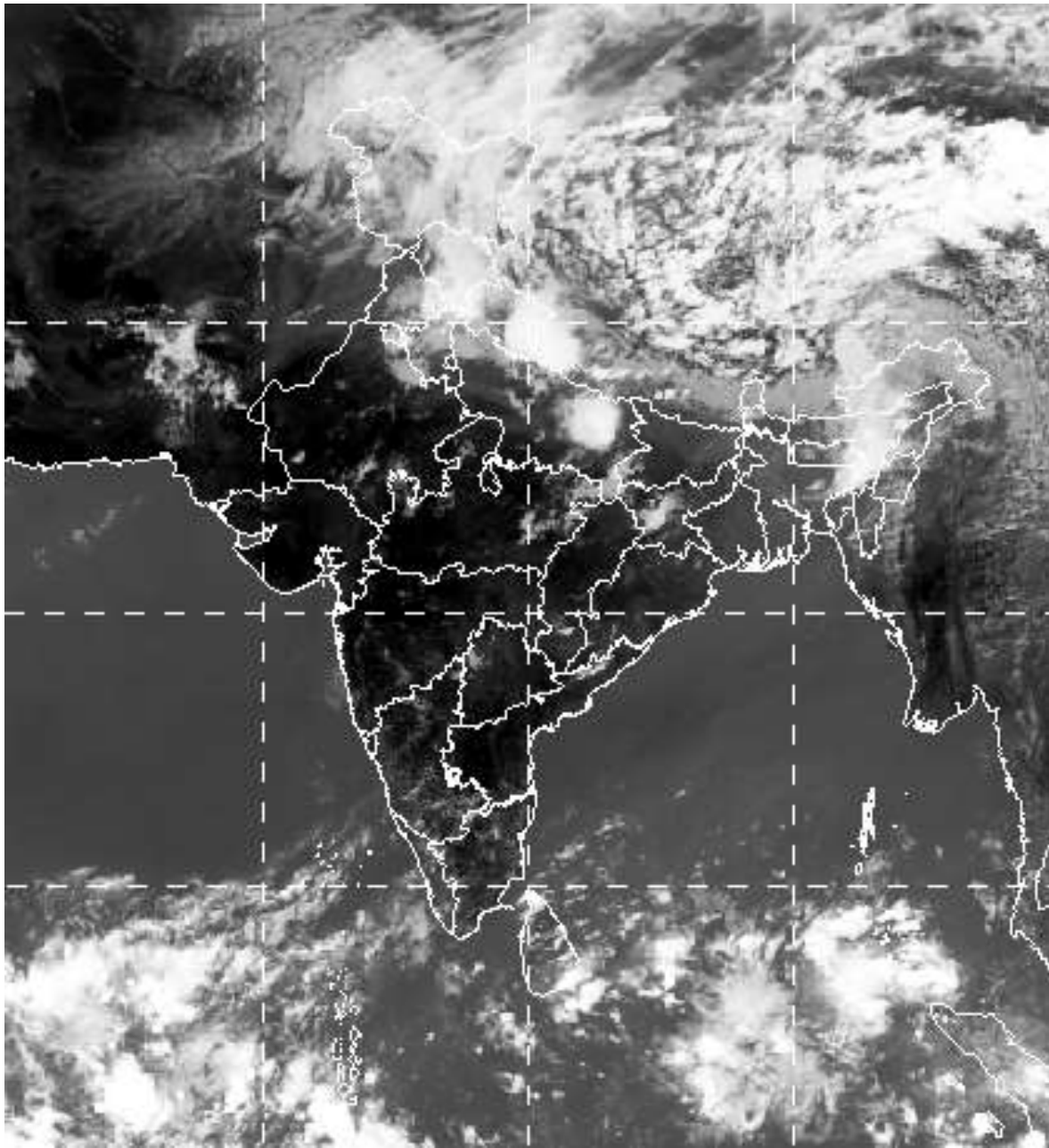
Gujarat

Weather condition

Dry weather prevailed in Gujarat state during past few days. The actual average maximum temperature is 1.8°C and minimum temperature is 1.0°C higher as compared to their normal values.

Contingency measure:

- Weeding, interculturing and irrigation should be done in summer crops like pearl millet, green gram, cow pea, okra etc. if required.
- Paddy: Flowering: If paddy stem borer infestation found spray chlorpyrifos 2 ml per liter.
- Vegetable Crop: Growth: Thrips and Mite: Due to hot and dry condition if mite and thrips incidence occurs spray Methyl-o-demeton 25 EC 10 ml in 10 lit water.
- Onion/Garlic: Harvesting : Harvest mature crop and make it dry properly in open air.
- Castor: Maturity: Harvest the matured spike in early morning hours and stored in safe place. Due to variable weather farmers are advised to constant monitoring against attack of pest and disease in vegetable crop, if symptom observed then take protection measures as per recommendation when sky remain clear.
- Papaya: Harvesting : Mature fruits should be harvest and sent to market for selling. Irrigation should applied in double ring basin method.
- Cattle: Normal water given for drinking. Vaccination should be done for Brucellosis of cattle There are chances of many infection due to session change. FMD vaccination should be done.



**Figure: 1. Latest available satellite picture as on 11 April 2018 at 0230 Hrs (IST).
(Source: IMD).**

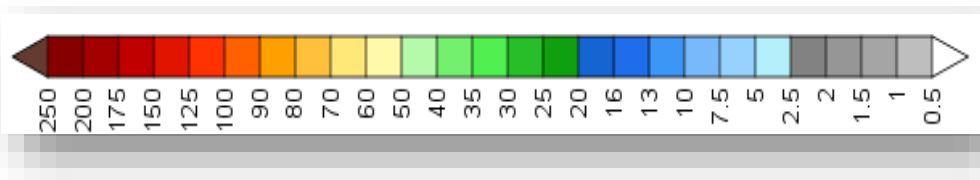
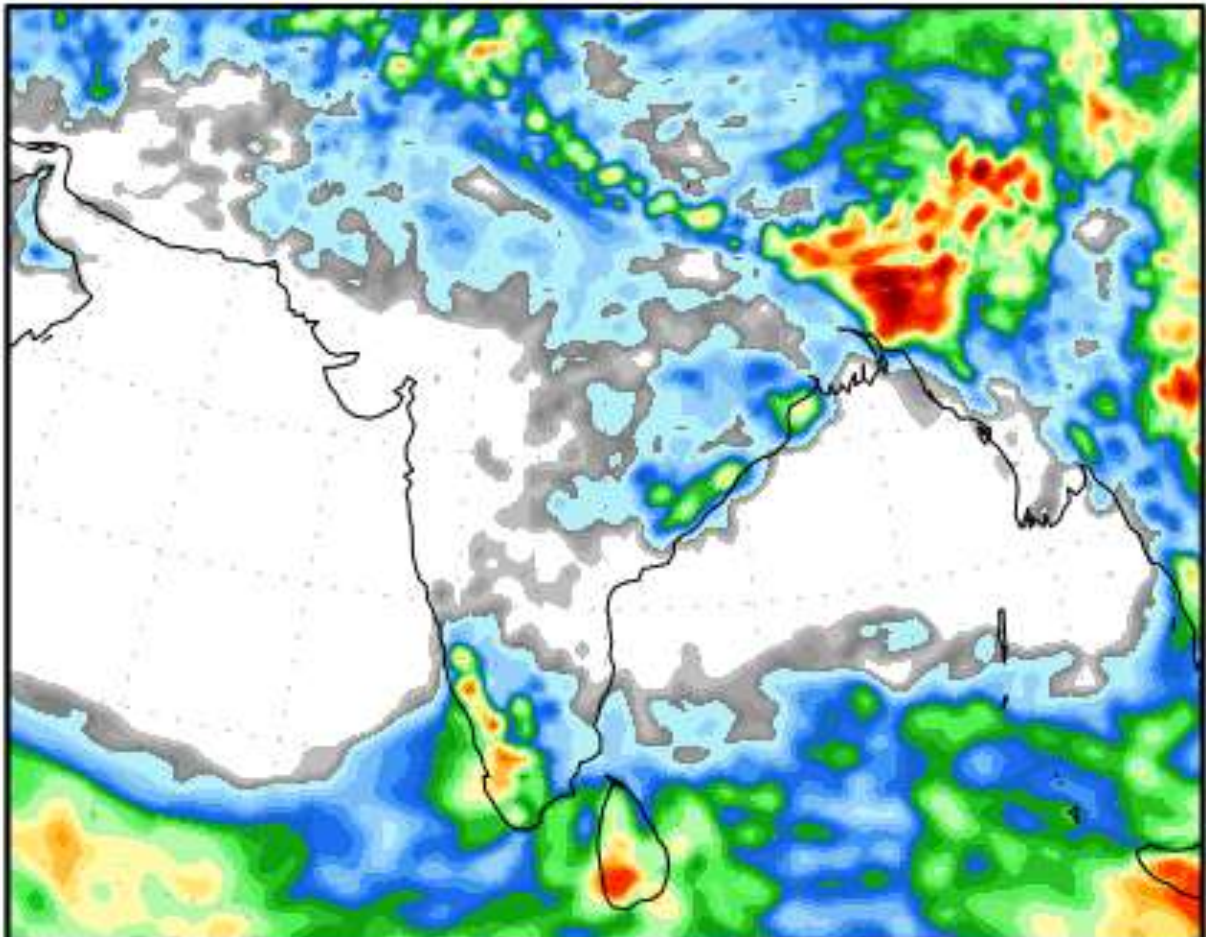


Figure: 2. Precipitation forecast for 11 to 17 April 2018 (Source: NOAA NCEP).