

# **All India Coordinated Research Project on Agrometeorology**

## **CRIDA, Santoshnagar, Hyderabad – 500 059**

### **Daily Crop Weather Information as on 15 April 2018**

**Attention: Rajiv Maheshwari, OSD, ICAR**

#### **Significant Weather Features (IMD)**

- Northeastern India is likely to experience scattered thunderstorm activity during next 48 hours and increase thereafter.
- Two approaching Western Disturbances are likely to cause fairly widespread precipitation and thunder squalls over Western Himalayan region on 16th & 17th April.
- Day temperature are likely to rise by 23°C over northwest, West and Central India during next 2 days and over East India from 17th onwards.
- Thunderstorm observed at isolated places over Chhattisgarh and Assam & Meghalaya from 0830 hours IST to 1430 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 many places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Chhattisgarh, Odisha and Kerala; at a few places over Gangetic West Bengal, East Madhya Pradesh and Tamilnadu & Puducherry and at isolated places over SubHimalayan West Bengal, East Rajasthan, Jharkhand, Vidarbha, Coastal Andhra Pradesh and Coastal Karnataka. Amount of Rainfall recorded at 0830 hours IST of today (2 cm or more) are : Cannur8; Digha, Kanyakumari5; North Lakhimpur, Jagdalpur, Kozhikode and Kodaikanal3 and Pasighat, Dibrugarh, Deomali, Itanagar, Balasore, Koraput, Brahmapuri and Valprai2 each.
- Maximum temperature departures as on 14/04/2018: Maximum temperatures were above normal (1.6°C to 3.0°C ) at many places over West Rajasthan; at many places over Jammu & Kashmir, Himachal Pradesh; at a few places over Saurashtra & Kutch, West Madhya Pradesh and Coastal Karnataka. They were Markedly below normal (5.1° C or less) at many places over Chhattisgarh; at a few places over Arunachal Pradesh, Assam & Meghalaya, Tamilnadu & Puducherry and Gangetic West Bengal and at isolated places over Madhya Pradesh. Yesterday, the highest maximum temperature of 42.8°C was recorded at Hosangabad (East Madhya Pradesh) over the plains of the country.

- Minimum temperature departures as on 15/04/2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at a few places over Rajasthan, West Madhya Pradesh and Gujarat; above normal (1.6°C to 3.0°C) at many places over Madhya Maharashtra; at a few places over Himachal Pradesh, Punjab, Interior Karnataka and Telengana and at isolated places over Jammu & Kashmir. They are below normal (1.6° C to 3.0° C) at many places over Gangetic West Bengal, Chhattisgarh and East Madhya Pradesh; at a few places over Odisha, East Uttar Pradesh and at isolated places over Vidarbha and Tamilnadu and Puducherry and near normal over rest parts of the country.

### Weather Warning during next 5 days (IMD)

- 15 April (Day 1): Heavy rain very likely at isolated places over Kerala. Thunderstorm accompanied with squall likely at isolated places over SubHimalayan West Bengal & Sikkim. Thunderstorm accompanied with gusty winds very likely at isolated places over Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Gangetic West Bengal, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh, Telangana, Interior Karnataka, Tamilnadu & Puducherry and Kerala.
- 16 April (Day 2): Thunderstorm accompanied with squall and Hail very likely at isolated places over Jammu & Kashmir and Himachal Pradesh. Thunderstorm accompanied with gusty winds very likely at isolated places over Punjab, Uttarakhand, Haryana, Chandigarh & Delhi, Rajasthan, West Bengal & Sikkim, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Telangana and Interior Karnataka.
- 17 April (Day 3) : Thunderstorm accompanied with squall and Hail likely at isolated places over Jammu & Kashmir. Thunderstorm accompanied with squall likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds likely at isolated places over Himachal Pradesh.
- 18 April (Day 4): Thunderstorm accompanied with squall likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 19 April (Day 5): Thunderstorm accompanied with squall and Hail likely at isolated places over Jammu & Kashmir. Thunderstorm accompanied with squall likely at isolated places over Himachal Pradesh. Thunderstorm accompanied with gusty winds likely at isolated places over Punjab.
- The weather outlook for the period of seven days *i.e* 15 to 23 April 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Kerala, Tamilnadu, Odisha & Andaman & Nicobar Islands and North eastern States. (Fig. 2).

## Agricultural activities (AICRPAM-CRIDA)

### Western Uttar Pradesh

#### Weather condition

Light rainfall received in western Uttar Pradesh during past few days. Minimum and maximum temperature was observed above normal.

#### Contingency measure:

- Wheat : Farmers are advised to harvest their crop and tying bundles immediate and threshing should be done. Barley : Threshing and winnowing should be completed as earlier.
- Rabi maize : Light irrigation should be given at milking stage. Pigeon pea : Harvest mature crop and threshing should be done.
- Zaid Urd : Light irrigation should be applied after 25 -30 days after sowing and weeding should be done at optimum moisture by hand hoe. Weeds should be used as mulch.
- Zaid Moong : Weeding should be done after 20 days of sowing. Light irrigation should be applied after 25 to 30 days of sowing.
- Brinjal / Chilies/ Tomato : Pick up mature fruits in standing crop. Light irrigation should be given at evening. Watchful about insect and pest. Leafy Vegetable : Cutting , marketing , light irrigation should be given at evening.
- Barseem : Light moisture should be maintained .
- Animal / Birds : Animal should be put in tree shed during day time. Balanced diet should be given for milch animal. Fresh water used for dirking 4 or 5 time and bathing should be taken up at morning and evening. The routine immunization of animals becomes necessary since disease decrease milk production capacity among milch animals if need concerned near Veterinary hospital.



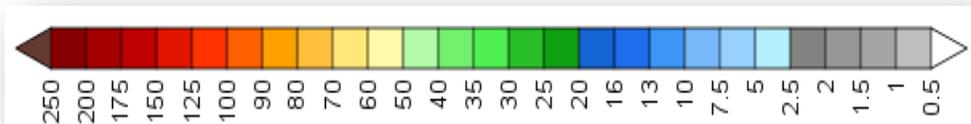
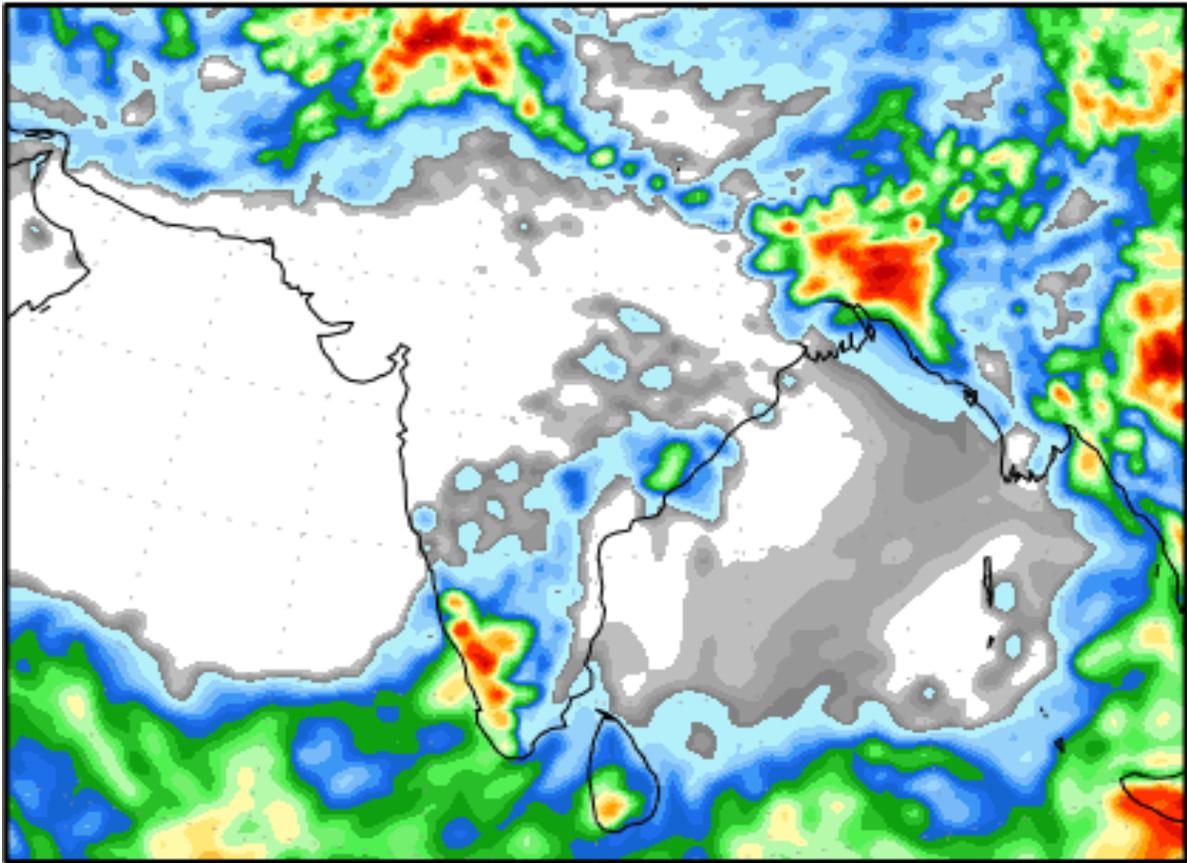


Figure: 2. Precipitation forecast for 15 to 23 April 2018 (Source: NOAA NCEP).