

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

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

### **Daily Crop Weather Information as on 04 April 2019**

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

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

- Heat wave conditions are very likely to prevail in some parts of Rajasthan and in isolated pockets over south Haryana and Madhya Pradesh during next 2 days and in isolated pockets over Gujarat state and Vidarbha today.
- Parts of northwest India (north Rajasthan, Punjab and Haryana, Chandigarh & Delhi) is likely to experience isolated thunderstorms/dust storms and gusty winds during the afternoon/evening hours of 5th & 6th April. Isolated thundersqualls (wind speed reaching 60-70 kmph) are likely to occur over Bihar and West Bengal & Sikkim on 5th & 6th April and over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 6th & 7th April.
- The images showing the latest satellite picture in figure. 1.

#### **Main Weather Observations (IMD)**

- Rain/Thundershowers observed (from 0830 hrs IST of yesterday to 083030 hours IST of today): at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Vidarbha and Kerala.
- Yesterday, heat wave conditions were observed at some parts over Rajasthan; at isolated pockets over Gujarat state, Madhya Maharashtra and Chhattisgarh.
- Maximum temperature departures as on 03.04.2019: Maximum temperatures were markedly above normal (5.1°C or more) at most places over Jammu & Kashmir and West Rajasthan; at a few places over Himachal Pradesh and East Rajasthan; at isolated places over Saurashtra & Kutch; appreciably above normal (3.1°C to 5.0°C) at many places over West Madhya Pradesh and Marathwada; at a few places over West Uttar Pradesh, East Madhya Pradesh, Vidarbha, Gujarat region, Madhya Maharashtra and Chhattisgarh; at isolated places over Punjab, Haryana, Chandigarh & Delhi, East Uttar Pradesh, Konkan & Goa, Karnataka and Rayalaseema; above normal (1.6°C to 3.0°C) at most places over Jharkhand; at many places over Uttarakhand and Kerala; at a few places over Odisha and Tamil Nadu & Puducherry; at isolated places over Gangetic West Bengal. They were markedly

below normal ( $-5.1^{\circ}\text{C}$  or less) at a few places over Sub-Himalayan West Bengal & Sikkim; at isolated places over Bihar and Assam & Meghalaya; appreciably below normal ( $-3.1^{\circ}\text{C}$  to  $-5.0^{\circ}\text{C}$ ) at a few places over Andaman & Nicobar Islands; below normal ( $-1.6^{\circ}\text{C}$  to  $-3.0^{\circ}\text{C}$ ) at isolated places over Coastal Andhra Pradesh and near normal over rest parts of the country.

- Yesterday, the highest maximum temperature of  $43.3^{\circ}\text{C}$  was recorded at Rajkot (Saurashtra & Kutch) over the country.
- Minimum temperature departures as on 04.04.2019: Minimum temperatures are markedly above normal ( $5.1^{\circ}\text{C}$  or more) at a few places over Rajasthan; at isolated places over Jammu & Kashmir; appreciably above normal ( $3.1^{\circ}\text{C}$  to  $5.0^{\circ}\text{C}$ ) at a few places over Himachal Pradesh, Assam & Meghalaya and Gujarat state; at isolated places over Punjab, Haryana, Chandigarh & Delhi, Madhya Maharashtra, Madhya Pradesh and North Interior Karnataka; above normal ( $1.6^{\circ}\text{C}$  to  $3.0^{\circ}\text{C}$ ) at many places over Marathwada, Vidarbha and Andaman & Nicobar; at a few places over Uttar Pradesh, Bihar, West Bengal & Sikkim and Odisha; at isolated places over Chhattisgarh, Coastal & South Interior Karnataka, Coastal Andhra Pradesh, Rayalaseema, Kerala and Tamilnadu & Puducherry. They are below normal ( $-1.6^{\circ}\text{C}$  to  $-3.0^{\circ}\text{C}$ ) at isolated places over Telangana.
- The lowest minimum temperature of  $15.4^{\circ}\text{C}$  recorded at Mandla (East Madhya Pradesh) over plains of the country.

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

- 04 April (Day 1): Heat Wave conditions in some parts very likely over Rajasthan; in isolated pockets very likely over south Haryana, Madhya Pradesh, Vidarbha and Gujarat state. Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Marathwada, north Coastal Andhra Pradesh, Telangana, Karnataka, Vidarbha, Chhattisgarh and Kerala.
- 05 April (Day 2): Heat Wave conditions in some parts very likely over West Rajasthan and in isolated pockets over Madhya Pradesh, south Haryana and East Rajasthan. Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) & lightning at isolated places very likely over Gangetic West Bengal and Bihar. Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places very likely over Uttarakhand, West Uttar Pradesh, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Coastal Karnataka, north Coastal Andhra Pradesh, North Interior Karnataka and Kerala. Thunderstorm/Duststorm accompanied with

gusty winds (wind speed reaching 30-40 kmph) & lightning at isolated places very likely over Rajasthan, Punjab and Haryana, Chandigarh & Delhi,

- 06 April (Day 3): Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) & lightning at isolated places very likely over Bihar and West Bengal & Sikkim. Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places very likely over Uttar Pradesh, Jharkhand, Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with Duststorm, gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places very likely over Punjab and Haryana, Chandigarh & Delhi. Heavy rain at isolated places very likely over West Bengal & Sikkim.
- 07 April (Day 4): Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) & lightning at isolated places likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places likely over Odisha, Gangetic West Bengal and Jharkhand.
- 08 April (Day 5): Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) & lightning at isolated places likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) & lightning at isolated places likely over West Uttar Pradesh, Odisha and Kerala.
- The weather outlook for the period of seven days *i.e* 04 to 11 April 2019 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Vidarbha, Kerala and North Eastern States. (Fig. 2).

## Agricultural activities (AICRPAM-CRIDA)

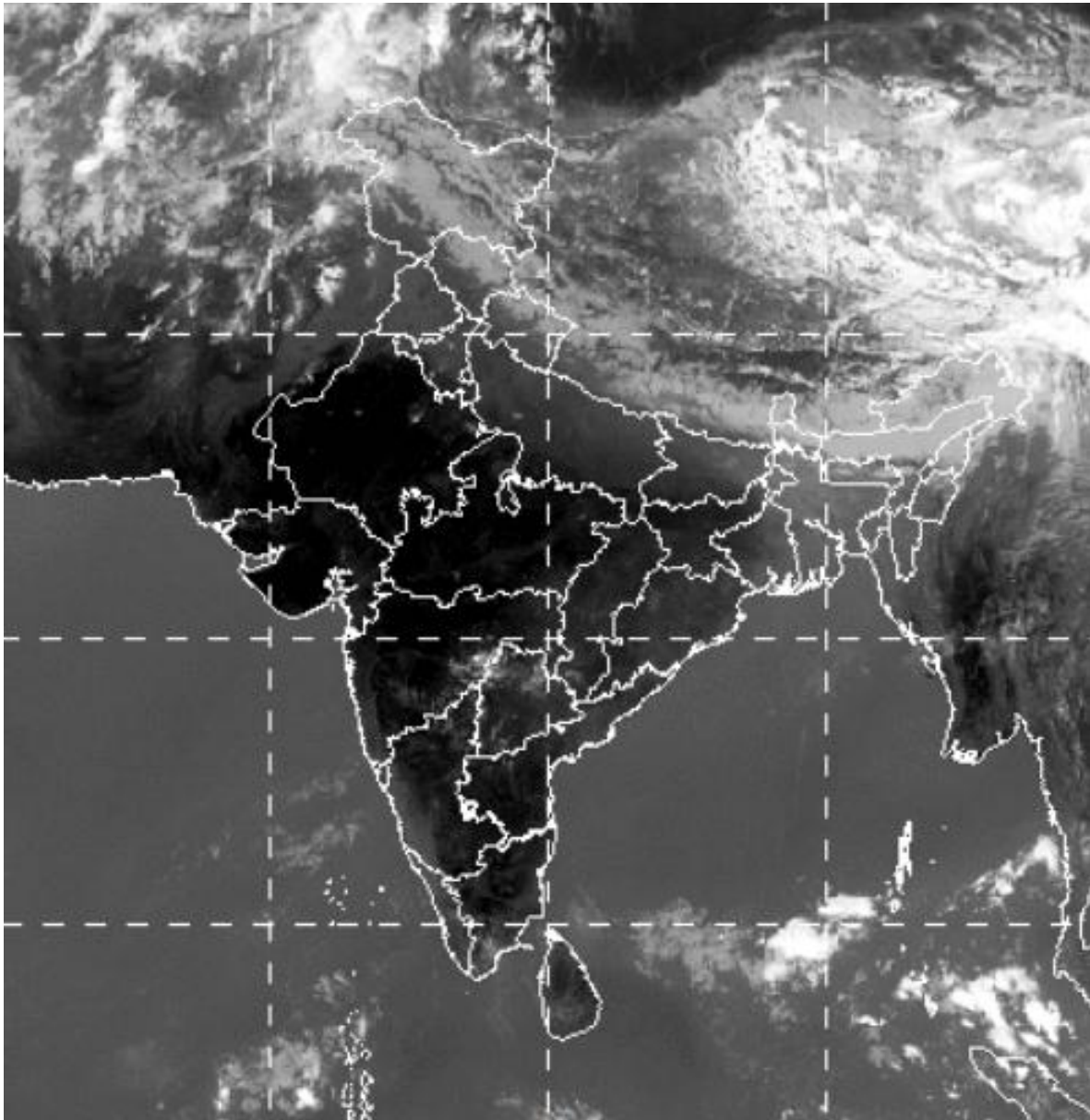
### Andhra Pradesh

#### Weather condition:

Mainly dry weather prevailed in Andhra Pradesh state during past few days.

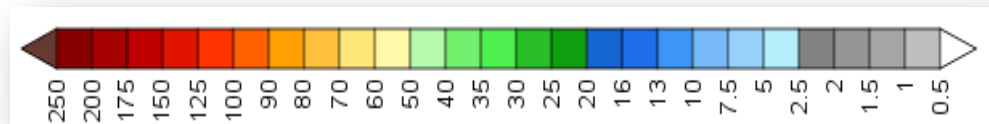
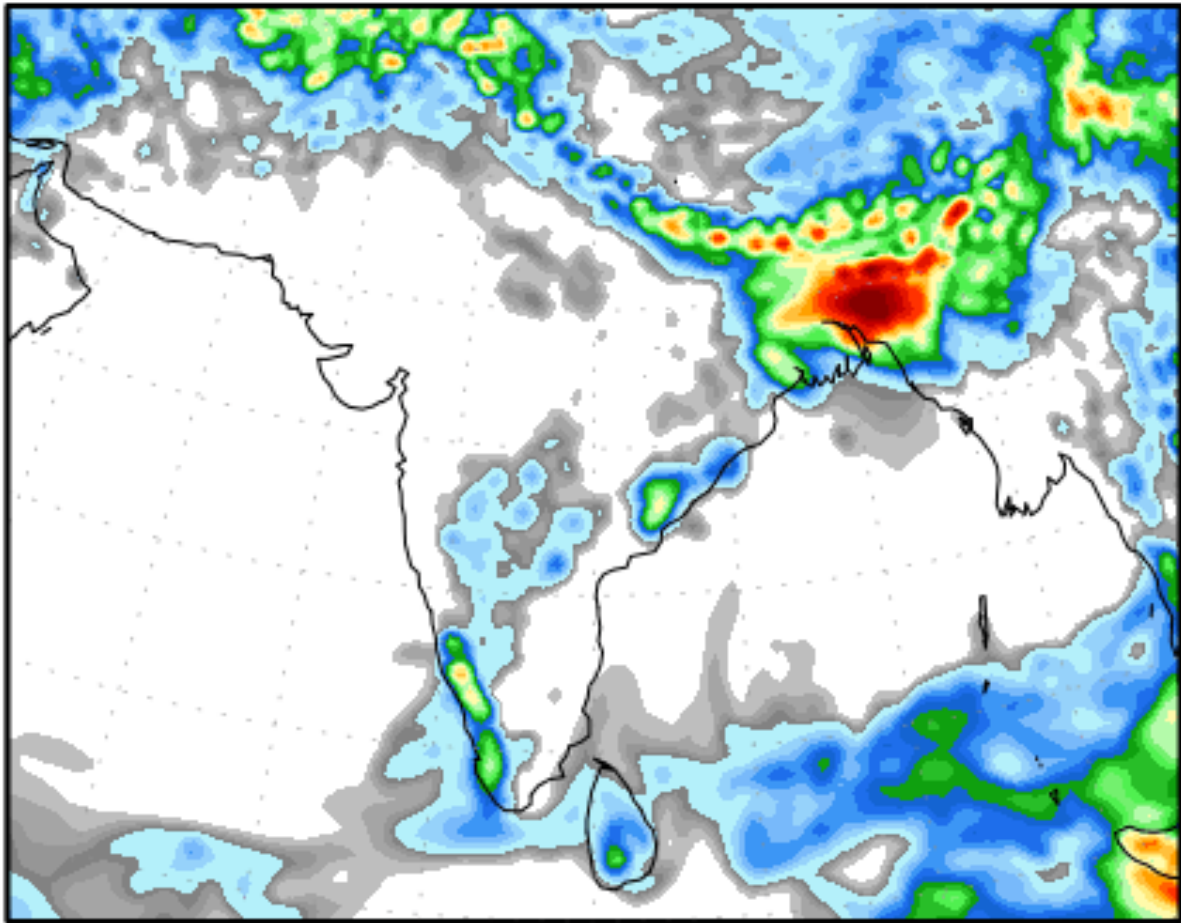
#### Contingency measure:

- Farmers are advised to take necessary measures and protect livestock from heat stress. They are advised to avoid land preparation and draught operations during mid days and give rest for draught animals from noon to evening.
- Farmers are advised to provide drinking water to livestock at frequent intervals (4 times a day) to avoid dehydration. Prevailing conditions are favourable for incidence of hoppers in mango.
- For the control farmers are advised to go for spraying of Thiomethoxam 0.4 g and Hexaconazol 2ml/l (or) Dainocap or Tridemorph 0.5 g/l. Spraying of Planofix @3ml / 15 lit of water will avoid flower drop and help in fruit formation.



**Figure: 1. Latest available satellite picture as on 04 April 2019 at 0230 Hrs (IST).**

**(Source: IMD).**



**Figure: 2. Precipitation forecast for 04 to 11 April 2019 (Source: NOAA NCEP).**