

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

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

### **Daily Crop Weather Information as on 06 May 2019**

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

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

- Due to change in wind pattern over north & adjoining central India, the maximum temperatures very likely to rise by 2-4° C over many parts of northwest, west, central & east India during next 2-3 days leading to heat wave conditions at isolated pockets over central and adjoining northwest India mainly from 7th May onwards over adjoining north peninsular India during next 3-4 days. The prevailing temperatures over south peninsular India with above normal by 2-3°C over some parts likely to continue during next 3 days.
- The images showing the latest satellite picture in figure. 1.

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

- Rain/Thundershowers observed (from 0830 to 1730 hours IST of yesterday): at a few places over Arunachal Pradesh, Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim and at isolated places over Jammu & Kashmir, Madhya Pradesh, Odisha and Andaman & Nicobar Islands. Thunderstorms observed (from 0830 hours IST of yesterday to 0530 hours IST of today): at a few places over Jammu & Kashmir and at isolated places over Himachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Jharkhand and Odisha.
- Yesterday, heat wave conditions were observed in some parts over Coastal Andhra Pradesh and in isolated pockets over Telangana.
- Maximum temperature departures as on 05.05.2019: Maximum temperatures were markedly above normal (5.1°C and more) at a few places over coastal Andhra Pradesh; appreciably above normal (3.1°C to 5.0°C) at a few places over Bihar and at isolated places over Sub-Himalayan West Bengal, Chhattisgarh and Tamilnadu & Puducherry; above normal (1.6°C to 3.0°C) at many places over Telangana; at a few places over Coastal Karnataka and Kerala and at isolated places over Konkan & Goa. They were appreciably below normal (-3.1°C to -5.0°C) at a few places over Arunachal Pradesh, Assam & Meghalaya, Odisha and Andaman & Nicobar Islands; below normal (-1.6°C to -3.0°C) at a few places over Jharkhand, Madhya Pradesh

and Gangetic West Bengal; at isolated places over Gujarat state and near normal over rest of the country.

- Yesterday, the highest maximum temperature of 45.2°C was recorded at Khammam (Telangana).
- Minimum temperature departures as on 05.05.2019: Minimum temperatures were above normal (1.6°C to 3.0°C) at a few places over West Rajasthan, Sub-Himalayan West Bengal & Sikkim and Coastal Andhra Pradesh; at isolated place over Gujarat, Rayalaseema, Telangana, Odisha, Vidarbha, Nagaland, Manipur, Mizoram & Tripura and Tamilnadu & Puducherry. They were markedly below normal (-5.1°C or less) at isolated places over Haryana, Chandigarh & Delhi; appreciably below normal (-3.1°C to -5.0°C) at isolated places over East Rajasthan; below normal (-1.6°C to -3.0°C) at a few places over Jammu & Kashmir, West Uttar Pradesh, Gangetic West Bengal, south Madhya Maharashtra and South Interior Karnataka; at isolated places over Punjab, East Uttar Pradesh, Madhya Pradesh and south Konkan & Goa and near normal over rest parts of the country.

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

- 06 May (Day 1): Thunderstorm & lightning accompanied with gusty wind (wind speed reaching 40-50 kmph) at isolated places over Kerala and wind speed reaching 30-40 kmph at isolated places over South Interior Karnataka. Heat wave conditions at some parts with severe heat wave Conditions in isolated pockets very likely over Coastal Andhra Pradesh; Heat Wave conditions is very likely in isolated pockets over West Rajasthan, Vidarbha, Telangana, Rayalaseema and Tamilnadu & Puducherry. Heavy rainfall very likely at isolated places over Kerala.
- 07 May (Day 2): Thunderstorm & lightning accompanied with gusty wind (speed reaching 40-50 kmph) at isolated places over Kerala and Tamilnadu & Puducherry. Thunderstorm & lightning accompanied with gusty wind (wind speed reaching 30-40 kmph) at isolated places over South Interior Karnataka. Heat wave conditions at some parts very likely over Vidarbha; Heat Wave conditions is likely at isolated places over Uttar Pradesh, Rajasthan, West Madhya Pradesh, Chhattisgarh, Coastal Andhra Pradesh, Telangana, Rayalaseema and Tamilnadu & Puducherry. Heavy rainfall very likely at isolated places over Kerala and Tamilnadu & Puducherry.
- 08 May (Day 3): Thunderstorm & lightning accompanied with gusty wind (wind speed reaching 30-40 kmph) at isolated places over South Interior Karnataka. Heat wave conditions at some parts very likely over Vidarbha; Heat Wave conditions is likely at isolated places over south Uttar Pradesh, Rajasthan, Madhya Pradesh and Chhattisgarh.

- 09 May (Day 4): Heat wave conditions at some parts very likely over Vidarbha; Heat Wave conditions is likely at isolated places over south Uttar Pradesh, Rajasthan, Madhya Pradesh and Chhattisgarh.
- 10 May (Day 5): Heat wave conditions at some parts very likely over Vidarbha; Heat Wave conditions is likely at isolated places over south Uttar Pradesh, Rajasthan, Madhya Pradesh and Chhattisgarh.
- The weather outlook for the period of seven days *i.e* 06 to 13 May 2019 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, Sub-Himalayan West Bengal & Sikkim, Jharkhand, Madhya Pradesh, Odisha, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

## Agricultural activities (AICRPAM-CRIDA)

### Assam

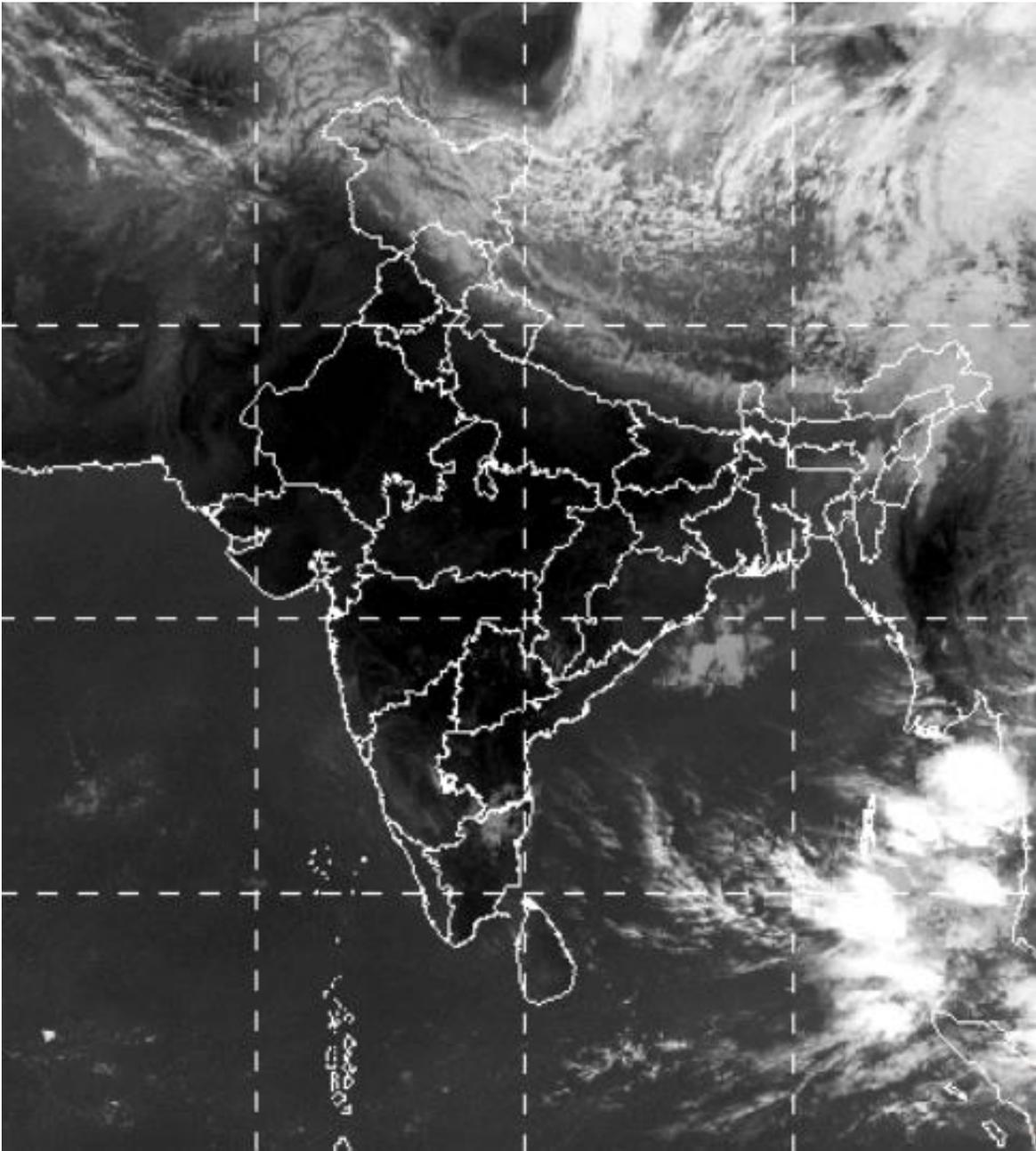
#### Weather condition:

Light rainfall received in Assam state during past few days. Daily average maximum temperature was 25.9°C which was 3.2°C below normal and the average daily minimum temperature was 21.1°C which was 0.2°C above normal.

#### Contingency measure:

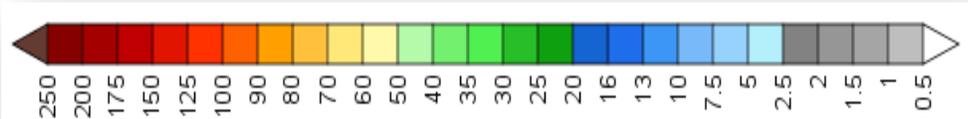
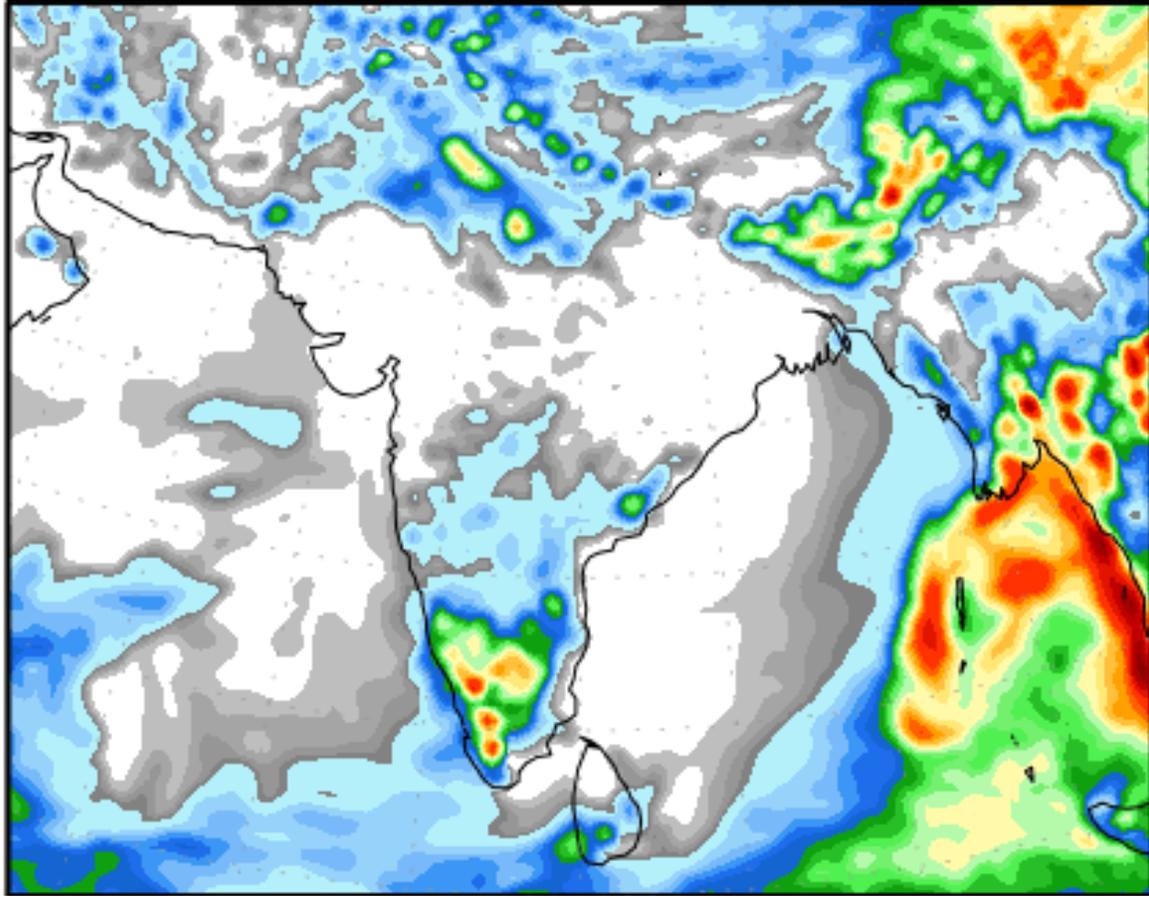
- Sali rice: As optimum quantity of rainfall is forecasted in the coming days, summer ploughing in rice fields is advocated. This will kill the eggs and larvae of insects and also will help in moisture conservation in soil.
- Banana: If farmers have failed to plant banana suckers during April, then they may go for planting during this month. For planting, select healthy sword suckers and are advised to plant in the pit maintaining a optimum distance. For dwarf varieties such as Jahaji, an optimum distance of 1.8m × 1.8m and for tall varieties such as Seni-champa, Malbhog and Bor-Jahaji, an optimum distance of 2.1m × 2.1m should be maintained.

- Arecanut: Farmers are advised to harvest the matured Arecanut and sort out the healthy seed nut from the harvested lot which are suitable for raising seedlings. For nursery bed, select well drained soil free from water-logging.
- Cattle: Vaccination should be taken against Foot & Mouth disease, BQ, SH and other bacterial diseases in cattle and Buffaloes before the start of monsoon season.



**Figure: 1. Latest available satellite picture as on 06 May 2019 at 0230 Hrs (IST).**

**(Source: IMD).**



**Figure: 2. Precipitation forecast for 06 to 13 May 2019 (Source: NOAA NCEP).**