

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

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

### **Daily Crop Weather Information as on 24 October 2018**

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

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

- Northeast Monsoon rainfall is very likely to commence over southeast Peninsular India during next 48 hours.
- Heavy rainfall recorded at isolated places over Kerala from 0830 hrs IST of yesterday to 0830 hrs IST of today.
- Thunderstorm observed at a few places over Kerala and at isolated places over Jammu & Kashmir, Odisha, Tamilnadu & Puducherry and Lakshadweep 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 observed at many places over Andaman & Nicobar Islands and at isolated places over Jammu & Kashmir, Uttarakhand, Gangetic West Bengal, Odisha, Madhya Maharashtra, North Interior Karnataka, Kerala, Tamilnadu and Lakshadweep.
- Maximum temperature departures as on 23.10.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Vidarbha, Madhya Maharashtra, Marathwada and Rayalaseema; above normal (1.6°C to 3.0°C) at most places over West Rajasthan & Gujarat Region; at many places over East Rajasthan, Madhya Pradesh, Konkan & Goa, Telangana, Interior Karnataka and Coastal Andhra Pradesh; at a few places over Assam & Meghalaya, Jharkhand and Chhattisgarh and at isolated places over Kerala, Puducherry & Tamilnadu, Andaman & Nicobar Islands and East Uttar Pradesh. They were appreciably below normal (3.1°C to 5.0°C) at isolated places over Jammu & Kashmir and near normal over rest of the country.
- The highest maximum temperature of 38.8°C was recorded at Barmer (West Rajasthan) over plains of the country.

- Minimum temperature departures as on 24.10.2018: Minimum temperature are above normal (1.6°C to 3.0°C) at many places over Telangana & North Interior Karnataka and at isolated places over Rajasthan & Gangetic West Bengal. They are appreciable below normal (3.0°C to 5.1°C) at a few places over Bihar; below normal (1.6°C to 3.0°C) at most places over Uttarakhand; at many places over Jammu & Kashmir, Himachal Pradesh, East Uttar Pradesh, East Madhya Pradesh, Vidarbha, Marathwada and Rayalaseema; at a few places over Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh, Tamilnadu & Puducherry and at isolated places over Gujarat, Sub Himalayan West Bengal & Sikkim and Assam & Meghalaya and near normal over rest of the country.
- The lowest minimum temperature of 11.0°C recorded at Alwar (East Rajasthan) over plains of the country.

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

- 24 October (Day 1): Thunderstorm with lightning and gusty winds very likely at isolated places over Tamilnadu & Puducherry and Kerala. Thunderstorm with lightning very likely at isolated places over south east Vidarbha.
- 25 October (Day 2): Thunderstorm with gusty winds very likely at isolated places over Tamilnadu & Puducherry and Kerala.
- 26 October (Day 3): No weather warning.
- 27 October (Day 4): No weather warning.
- 28 October (Day 5): No weather warning.
- The weather outlook for the period of seven days *i.e* 24 to 30 October 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Jammu & Kashmir, Uttarakhand, Gangetic West Bengal, Odisha, Madhya Maharashtra, North Interior Karnataka, Kerala, Tamilnadu, Lakshadweep and Andaman & Nicobar Islands. (Fig. 2).

## **Agricultural activities (AICRPAM-CRIDA)**

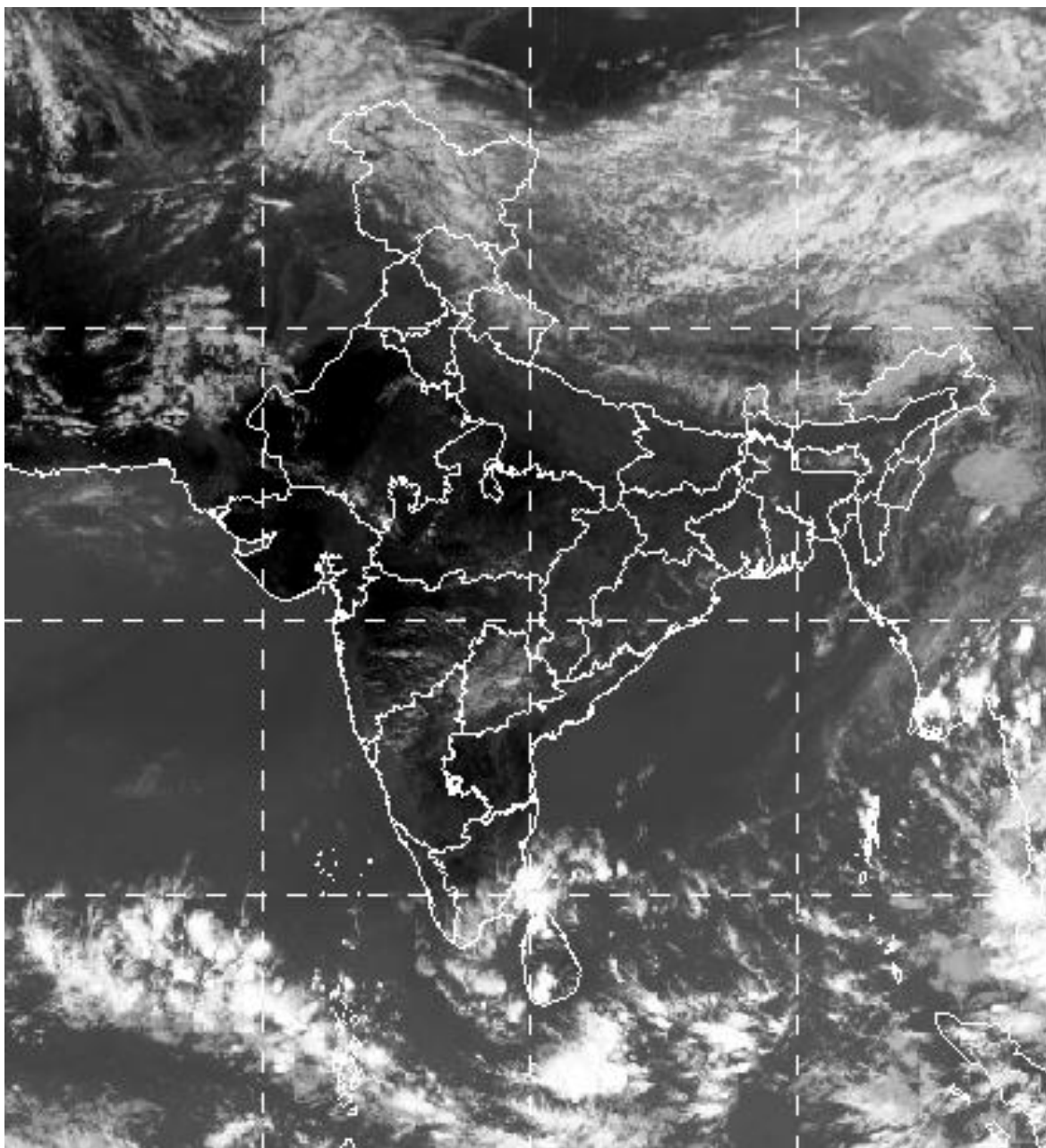
### **Madhya Maharashtra region**

#### **Weather condition**

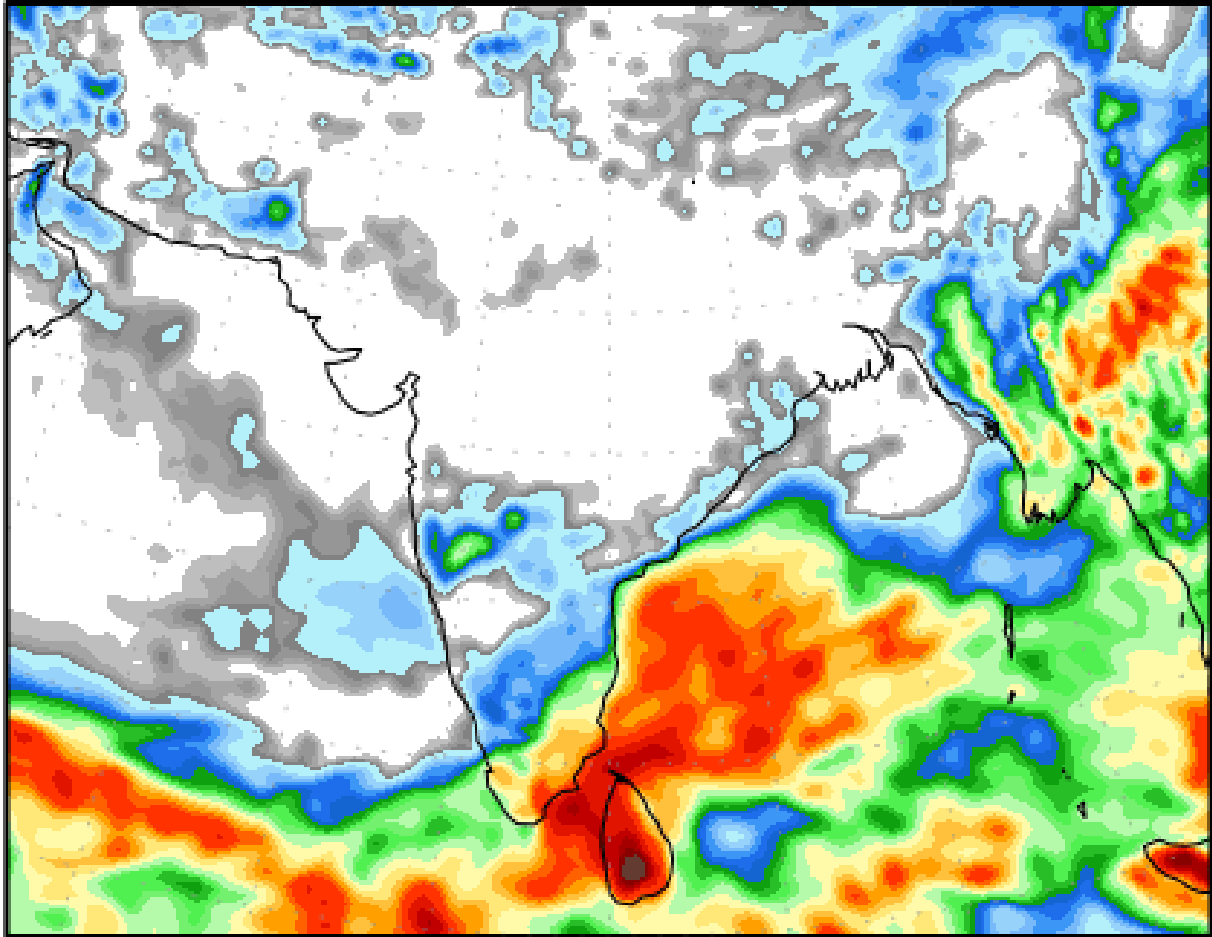
Dry weather prevailed in Madhya Maharashtra region of Maharashtra state during past few days.

#### **Contingency measure:**

- Hoeing and thinning operation should be carried out in 10-15 days after sowing of rabbi crops and also give protective irrigation. Sowing of safflower should be done upto fortnight of October under sufficient soil moisture condition. Thinning operation should be carried out in safflower before 15 days of sowing ( 1 plant/ 20 cm).
- To control Army worm on crops like Maize, sugarcane etc, use 5 tricard per Ha. Under severe incidence spray chlorpyrifos/ quinalphos/ Trizophos @ 15-20 ml per 10 L water. Install 5 pheromone traps/ha in pigeon pea using helilure for to destroy eggs of Helicoverpa armigera spray chlorpyrifos/ quinalphos @ 20 ml per 10 L water. Install 5 pheromone traps/ha in brinjal using Lucilure for monitoring of fruit & shoot borer. Under severe infestation spray chlorpyrifos @ 20 ml per 10 L water.
- For control of powdery mildew in ber spraying of contaf @ 1 ml per L water should be done. For control of leaf eating caterpillar in drum stick spraying of chlorpyrifos @ 1.5 ml per L water should be done. To control white grub in sugarcane apply drenching of 50EC Chlorpyrifos @1 L + 400 L water near sugarcane roots with the help of sprayer without nozal or apply granular insecticides 10% phorate / 0.3 % fipronil / 0.4 % chlorantraniloprole @ 25 kg/ ha well mixed into soil of ridges/ furrow.
- To avoid the incidence of stem borer in Rabi sorghum seed should be treated with Thiamethoxam 35 % F.S 10 ml/ Imadacloprid 48 % F.S 10 ml per kg seed followed by 4 gm Sulphur per kg seed for control of smut disease followed by biofertilizers viz. Azotobacter, Acetobacter and P.S.B. @25 gm per kg seed.



**Figure: 1. Latest available satellite picture as on 24 October 2018 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 24 to 30 October 2018 (Source: NOAA NCEP).**