

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

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

### **Daily Crop Weather Information as on 25 October 2018**

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

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

- Northeast monsoon circulation pattern has established over south Bay of Bengal and adjoining Sri Lanka. The pattern is likely to strengthen leading to the commencement of northeast monsoon rainfall over southeast peninsular India in coming 5 days.
- A low pressure area is likely to form over westcentral and adjoining northwest Bay of Bengal around 29th October, 2018.
- Thunderstorm observed at isolated places over West Rajasthan, Meghalaya, Kerala, Tamilnadu and Lakshadweep 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 Andaman & Nicobar Islands; at a few places over south Tamilnadu & Puducherry; at isolated places over Gangetic West Bengal, Odisha, Assam & Meghalaya, south Madhya Maharashtra, Telangana, Kerala and Lakshadweep.
- Maximum temperature departures as on 24.10.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Rayalaseema; at isolated places over East Madhya Pradesh; above normal (1.6°C to 3.0°C) at most places over Rajasthan, Konkan & Goa, Marathwada & Madhya Maharashtra; at many places over Gujarat, West Madhya Pradesh & Karnataka; at a few places over Jharkhand, Odisha, Telangana, Vidarbha, Coastal Andhra Pradesh, Kerala and Tamilnadu & Puducherry; at isolated places over Gangetic West Bengal. 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 38.4°C was recorded at Bhuj (Saurashtra & Kutch) 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 a few places over West Rajasthan & Madhya Maharashtra; at isolated places over East Rajasthan & West Madhya Pradesh. They are appreciable below normal (3.0°C to 5.1°C) at a few places over Bihar, East Madhya Pradesh, Jharkhand & Chhattisgarh; at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttar Pradesh and near normal over rest of the country.
- The lowest minimum temperature of 10.2°C recorded at Mandla (East Madhya Pradesh) over plains of the country.

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

- 25 October (Day 1): Thunderstorm accompanied with gusty winds very likely at isolated places over south Tamilnadu.
- 26 October (Day 2): No weather warning.
- 27 October (Day 3): No weather warning.
- 28 October (Day 4): No weather warning.
- 29 October (Day 5): Heavy rain likely at isolated places over coastal Odisha.
- The weather outlook for the period of seven days *i.e* 25 to 31 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, south Madhya Maharashtra, Telangana, Kerala, south Tamilnadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

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

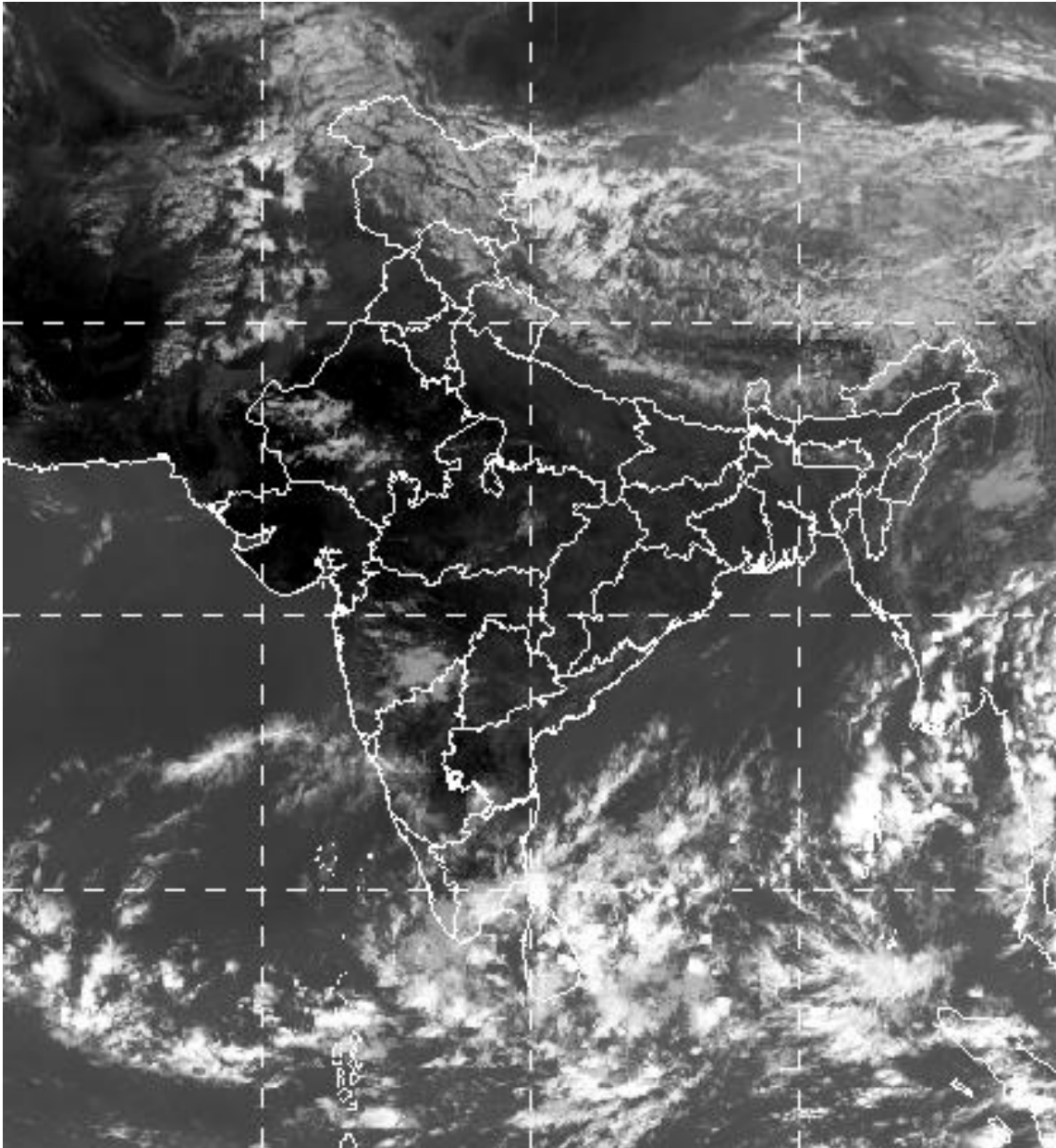
### **Vidarbha region**

#### **Weather condition**

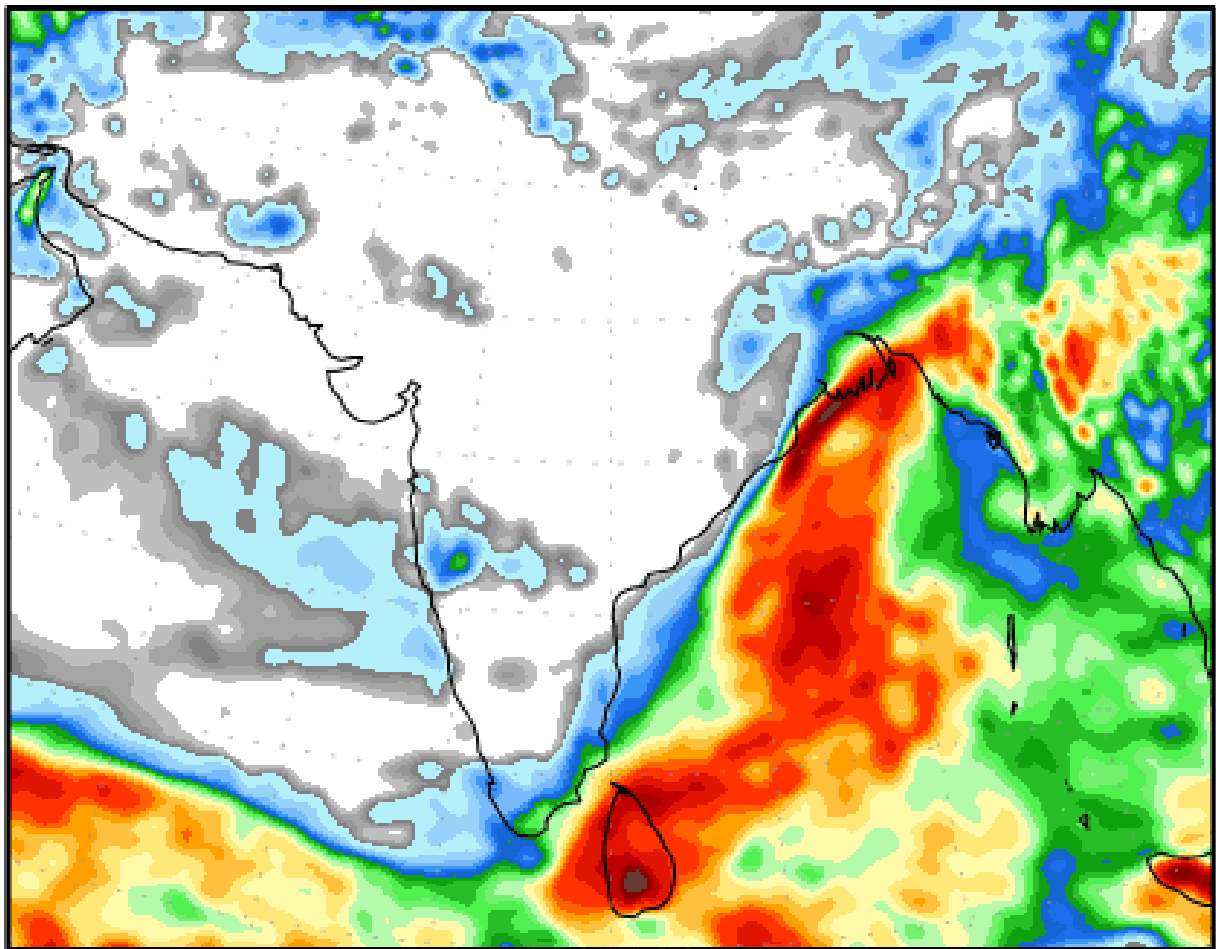
Dry weather prevailed in Vidarbha region of Maharashtra state during past few days. Maximum temperature was 1.7 °C above normal and the minimum temperature was 1.2 °C above normal.

#### **Contingency measure:**

- For control of white fly in cotton install yellow sticky trap 10-12 per ha. For above ETL level (10 white flies/leaf) control undertake spray of azadirachtin 0.15% (1500 ppm) 25 ml or azadirachtin 0.03% (300 ppm) 50 ml or Verticilium lecanii 1.15% WP 50 g or Buprofezin 25% SC 20 ml or Triazophos 40% EC 30 ml per 10 liters water. Keep close watch on male moths of pink bollworm in pheromone traps installed. Destroy rosette flowers, dropped squares, premature bolls to suppress the pest population periodically. In pigeonpea install pheromone traps at a distance of 50 m @ 5 / ha for monitoring of Helicoverpa. Monitor for the presence of eggs and small larvae. For leaf folder remove the webbed leaves along with larvae and destroy them.
- Under irrigated condition safflower AKS 207 or PKV pink (AKS 311) can be sown up to last week of October. Seed treatment with Azatobacter+ PSB (each 20 g / kg seed) and biofungicide Trichoderma @ 4 g per kg seed is advisable. Under irrigated condition linseed (PKV-NL 260) can be sown up to last week of October. Seed treatment with carbendazim @ 2 g.
- Light pre sowing irrigation is advisable. Seed treatment with Rhizobium+ PSB (each 25 g / kg seed) and biofungicide Trichoderma @ 4 g per kg seed is advisable. Make tree basins of fruit crops weedfree followed by basin mulching. Need based protective irrigation (drip) is advisable in orchards. To reduce fruit drop in mandarin orange (Ambia bahar) spray of 1.5 g Gibberellic acid + 1 kg Urea + 100 gm Carbendazim 50% WP per 100 lites of water is advisable.
- Need based protective irrigation is advisable in vegetables. Nursery seed sowing of onion, cabbage, cauliflower, brinjal, tomato can be initiated during this period, similarly cultivation of spinach, fenugreek, garlic, radish, carrot, dolichos, peas etc. can be undertaken.



**Figure: 1. Latest available satellite picture as on 25 October 2018 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 25 to 31 October 2018 (Source: NOAA NCEP).**