

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

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

### **Daily Crop Weather Information as on 27 October 2018**

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

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

- Coastal areas of Odisha and Gangetic West Bengal likely to experience increase in rainfall activity during 28 to 30 October 2018.
- Light to moderate surface winds speed (10-15 kmph) are very likely to prevail over plains of northwest India during next 2-3 days.
- A fresh Western Disturbance is likely to affect Western Himalayan Region from 30th October 2018.
- The images showing the latest satellite picture in figure. 1.

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

- Rainfall observed (from 0830 hours IST yesterday to 0830 hours IST of today ): Rain/thundershowers observed at most places over Andaman & Nicobar Islands and at isolated places over Tamilnadu & Puducherry.
- Maximum temperature departures as on 26.10.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Konkan & Goa; at a few places over Vidarbha, Coastal Karnataka, Marathawada and Gujarat region; at isolated places over Saurashtra & Kutch and Assam & Meghalaya; above normal (1.6°C to 3.0°C) at most places over Rayalaseema and Madhya Pradesh; at many places over Kerala and Coastal Karnataka; at a few places over Rajasthan, Madhya Maharashtra and Telangana; at isolated places over Lakshadweep, Odisha, Himachal Pradesh and Gangetic West Bengal; They were below normal (1.6°C to 3.0°C) at isolated places over West Uttar Pradesh, Punjab, Jammu & Kashmir and Haryana, Chandigarh & Delhi and near normal over rest of the country.
- The highest maximum temperature of 39.2°C was recorded at Bhuj (Saurashtra & Kutch) over plains of the country.
- Minimum temperature departures as on 27.10.2018: Minimum temperature are above normal (1.6°C to 3.0°C) at a few places over West Rajasthan; and at isolated places over East Rajasthan, West Madhya Pradesh, Gujarat region and Kerala. They

were appreciably below normal (3.0°C to 5.1°C) at many places over Odisha, Chhattisgarh, Jharkhand and Telangana; at a few places over Gangetic West Bengal; and at isolated places over East Uttar Pradesh and Madhya Maharashtra; below normal (1.6°C to 3.0°C) at many places over Himachal Pradesh, Coastal Andhra Pradesh, East Madhya Pradesh, Bihar, Sub Himalayan West Bengal & Sikkim, North Interior Karnataka, Rayalaseema and West Uttar Pradesh; at a few places over Jammu & Kashmir and Marathawada; and at isolated places over Konkan & Goa, South interior Karnataka and Haryana, Chandigarh & Delhi 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)**

- 27 October (Day 1): Heavy rain very likely at isolated places over Nagaland, Manipur, Mizoram & Tripura.
- 28 October (Day 2): Heavy rain very likely at isolated places over coastal Odisha.
- 29 October (Day 3): Heavy rain very likely at isolated places over Assam & Meghalaya, coastal Odisha and coastal parts of Gangetic West Bengal. Squally weather likely to prevail over west central and north Bay of Bengal. Fishermen are advised not to venture into these sea areas.
- 30 October (Day 4): Heavy rain likely at isolated places over coastal Odisha and coastal parts of Gangetic West Bengal. Squally weather likely to prevail over west central and north Bay of Bengal. Fishermen are advised not to venture into these sea areas.
- 31 October (Day 5): No weather warning.
- The weather outlook for the period of seven days i.e 27 October to 02 November 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Tamilnadu & Puducherry, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

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

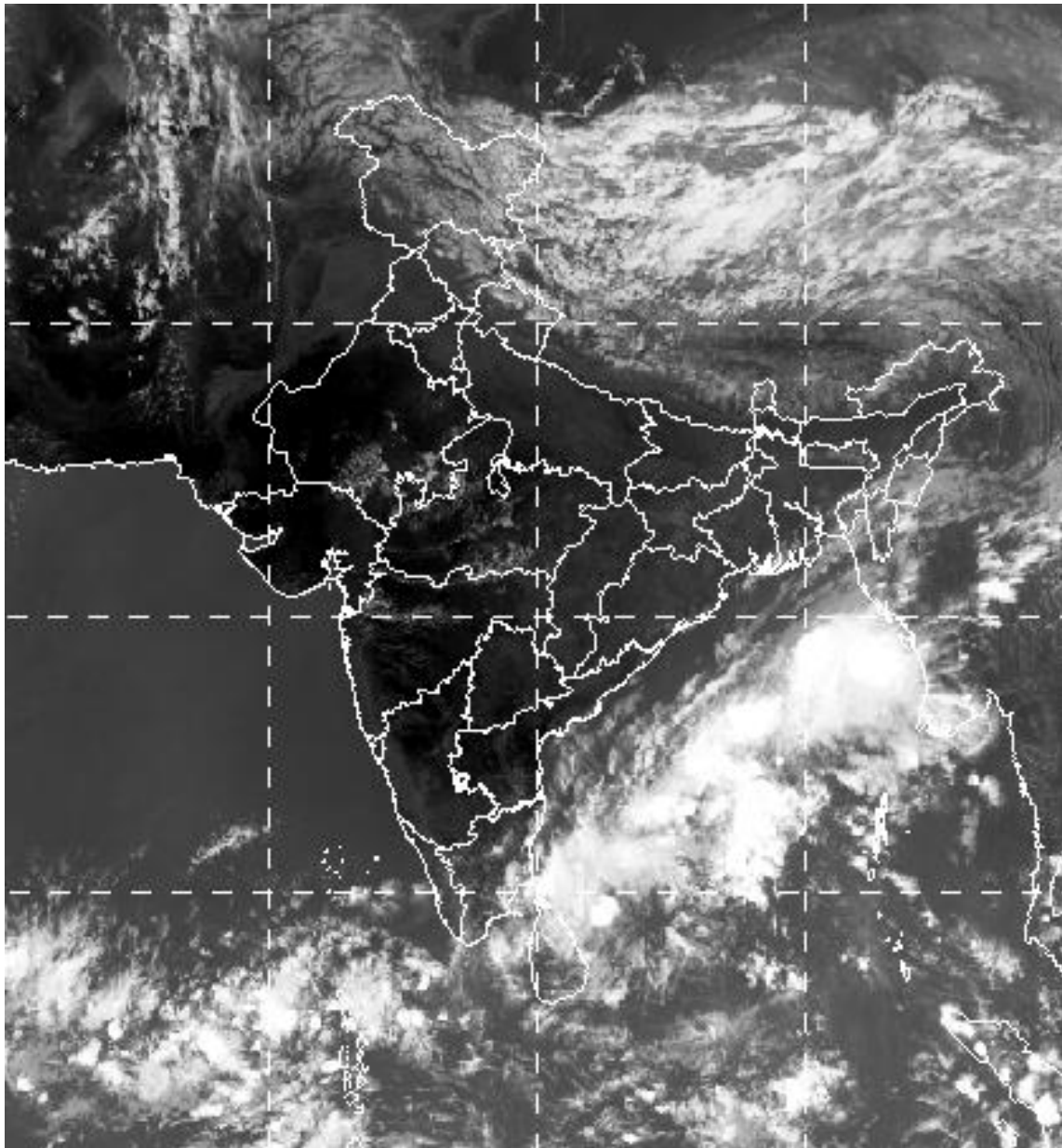
### **Assam**

#### **Weather condition**

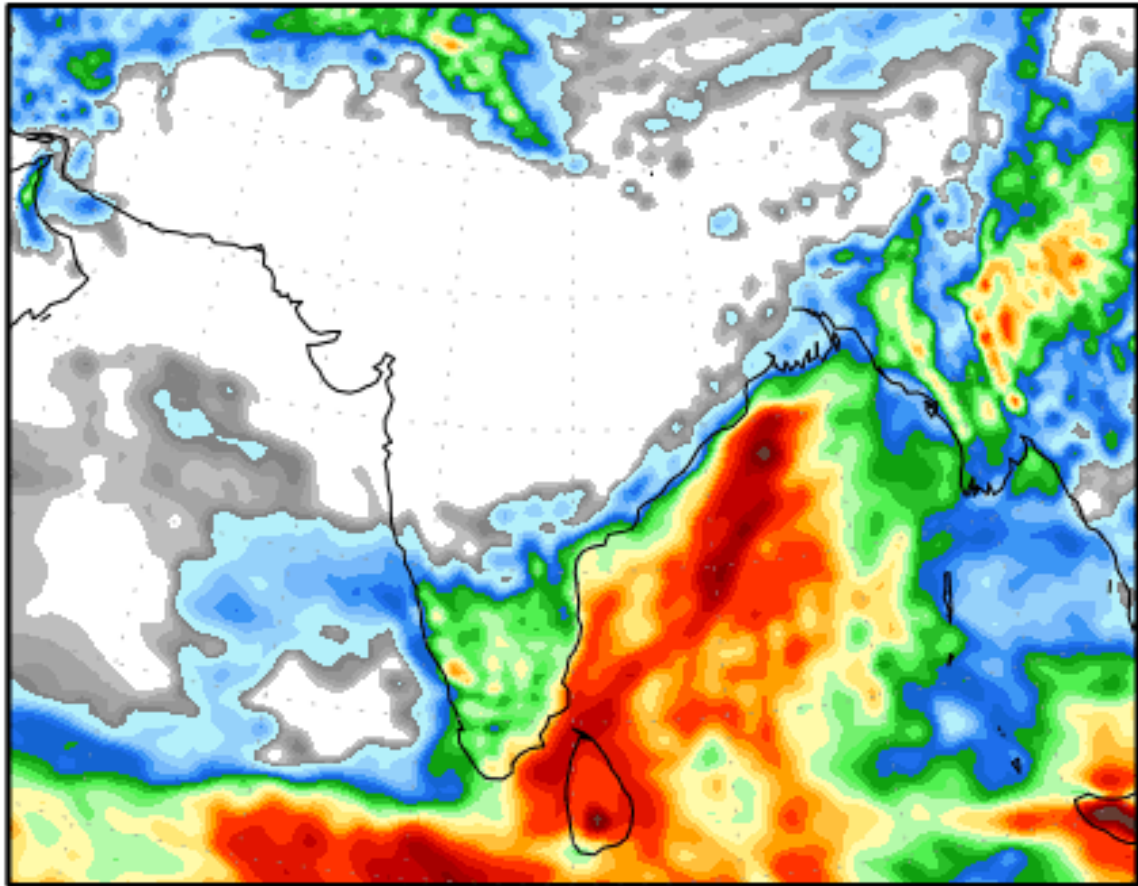
Light rainfall received in Assam state past few days. Daily average maximum temperature was 28.9°C which is 0.3 °C above normal and the average daily minimum temperature was 19.8°C which is 0.8 °C below normal.

#### **Contingency measure:**

- Sali rice: (panicle initiation stage/ flowering/soft dough): Gandhi bug infestation is observed in sali rice in milking/soft dough stage, then spraying of Malathion 5% dust @ 20 kg/ha.
- Rapeseed & mustard: (Land preparation) Farmers are advised to prepare land for sowing of rapeseed and mustard crop. Apply lime @ 65.5 kg/bigha at least 15 days prior to sowing of seeds. The recommended varieties of rapeseed and mustard are M-27, TS-36, TS-38 etc.
- Potato (Land preparation): prepare the land and Collect the potato varieties like Kufri Chandramukhi, Kufri Jyoti, Kufri Megha, Kufri Badshah, Kufri Sindhuri etc .
- Tomato (Land preparation): Farmers are advised to start seedbed preparation for raising seedlings of tomato. Drench the beds with 1% solution of Captaf or Formalin. Recommended varieties are Punjab Chhuhara, Arka Alok, Pusa Rubi, Sioux, Punjab Keshri, Arka Abhijit, BT-1 etc.
- Coconut: Crown of the coconut palm should be cleaned up properly. Spray Bordeaux mixture 1% solution in the crown as protective measures in fair weather. Farmers may apply fertilizers in coconut in the coming week. The fertilizer dose for 5 years and above is 750 gm Urea, 1250 gm SSP and 875 gm MOP per plant.



**Figure: 1. Latest available satellite picture as on 27 October 2018 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 27 October to 02 November 2018 (Source: NOAA NCEP).**