

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

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

### **Daily Crop Weather Information as on 29 October 2018**

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

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

- Conditions are becoming favourable for commencement of Northeast Monsoon rains over Tamilnadu & Puducherry, Kerala and adjoining areas of Andhra Pradesh and Karnataka around 1st November, 2018.
- A low pressure area is likely to form over westcentral and adjoining northwest Bay of Bengal during next 24 hours. Under its influence, Coastal areas of Andhra Pradesh, Odisha and West Bengal are likely to experience isolated to scattered rainfall activity during next 3 days. Squally weather is likely to prevail over north and adjoining westcentral bay of Bengal.
- A fresh Western Disturbance is likely to enhance the precipitation activity over Western Himalayan Region from 31st October to 2nd November, 2018.
- 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 isolated places over West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, Lakshadweep and Andaman & Nicobar Islands.
- Maximum temperature departures as on 28.10.2018: Maximum temperatures were appreciably below normal (3.1°C to 5.0°C) at isolated places over Nagaland, Manipur, Mizoram & Tripura and coastal Odisha; below normal (1.6°C to 3.0°C) at isolated places over Haryana, Sub Himalayan West Bengal & Sikkim and Assam & Meghalaya, Arunachal Pradesh. They were appreciably above normal (3.1°C to 5.0°C) at many places over Saurashtra & Kutch, along west coast, Rayalaseema; at a few places over Tamilnadu, Jammu & Kashmir, Himachal Pradesh; at isolated places over West Madhya Pradesh, Vidarbha and Kerala; above normal (1.6°C to 3.0°C) at many places over West Rajasthan, rest Madhya Pradesh, Madhya Maharashtra, Marathwada, Interior Karnataka, Telangana, rest Jammu & Kashmir and Himachal

Pradesh; at a few places over Chhattisgarh and coastal Andhra Pradesh and near normal over rest of the country.

- The highest maximum temperature of 39.4°C was recorded at Bhuj (Saurashtra & Kutch) over plains of the country.
- Minimum temperature departures as on 29.10.2018: Minimum temperature were appreciably above normal (3.1°C to 5.0°C) at isolated places over West Rajasthan; above normal (1.6°C to 3.0°C) at isolated places over Gujarat & West Madhya Pradesh. They are markedly below normal (5.1°C or less) at isolated places over South Interior Karnataka; appreciably below normal (3.0°C to 5.1°C) at a few places over Chhattisgarh & Telangana; at isolated places over East Madhya Pradesh and below normal (1.6°C to 3.0°C) at many places over Rayalaseema & Coastal Karnataka; at a few places over North Interior Karnataka; at isolated places over Jammu & Kashmir, Himachal Pradesh, Madhya Maharashtra & Coastal Andhra Pradesh and near normal over rest of the country.
- The lowest minimum temperature of 9.2°C recorded at Mandla (East Madhya Pradesh) over plains of the country.

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

- 29 October (Day 1): Heavy rain very likely at isolated places over coastal Odisha. Squally weather likely to prevail over north and adjoining westcentral Bay of Bengal. Fishermen are advised not to venture into these sea areas.
- 30 October (Day 2): Heavy rain very likely at isolated places over coastal Odisha and coastal Gangetic West Bengal. Squally weather likely to prevail over north and adjoining westcentral Bay of Bengal. Fishermen are advised not to venture into these sea areas.
- 31 October (Day 3): No weather warning.
- 01 November (Day 4): Heavy rain likely at isolated places over Tamilnadu & Puducherry. Thunderstorm accompanied with hailstorm likely at isolated places over Jammu & Kashmir and Himachal Pradesh.
- 02 November (Day 5): Heavy rain likely at isolated places over Tamilnadu & Puducherry. Thunderstorm accompanied with hailstorm likely at isolated places over Jammu & Kashmir and Himachal Pradesh.
- The weather outlook for the period of seven days i.e 29 October to 04 November 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over West Bengal

& Sikkim, Odisha, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

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

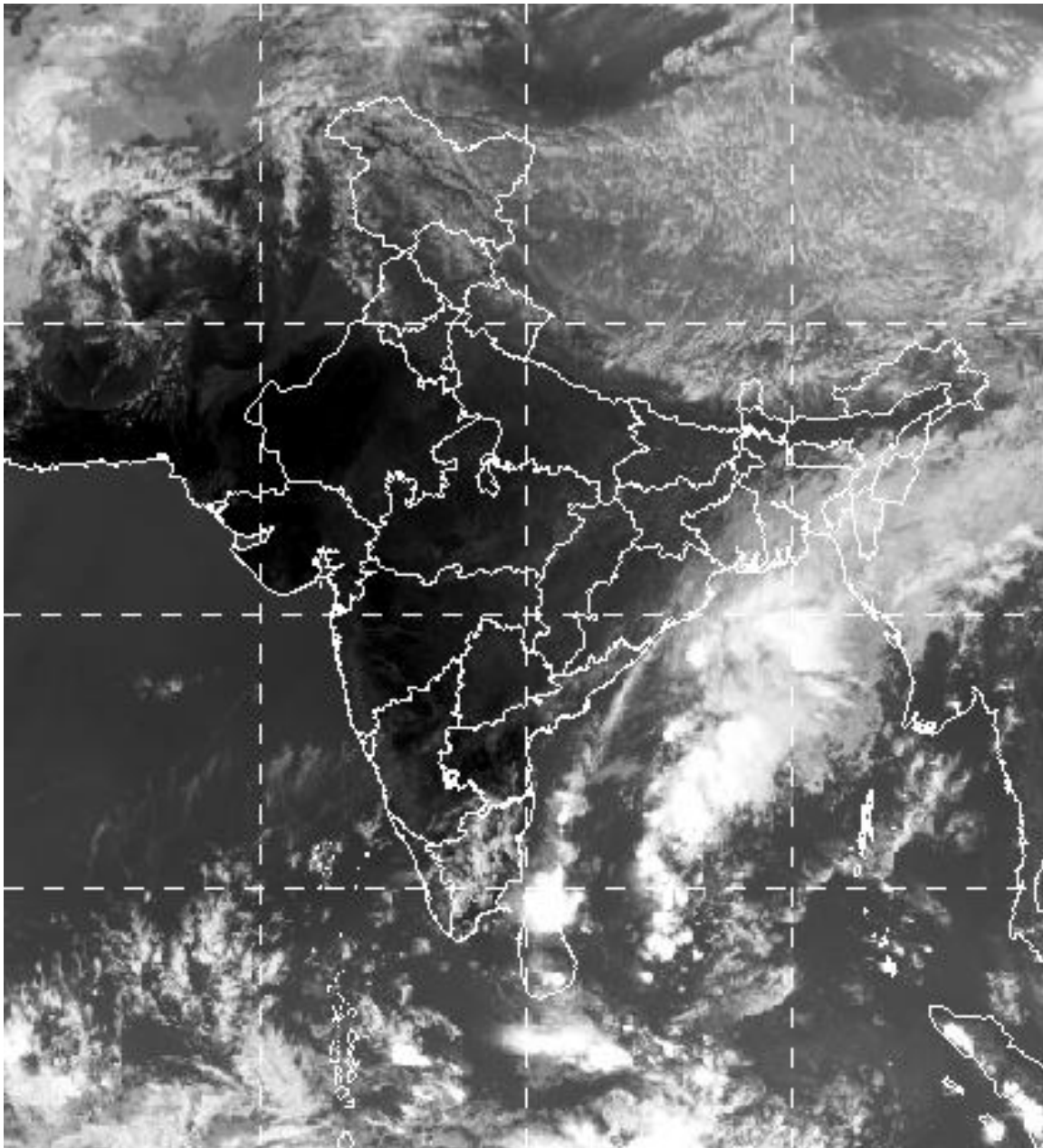
### **Chhattisgarh**

#### **Weather condition**

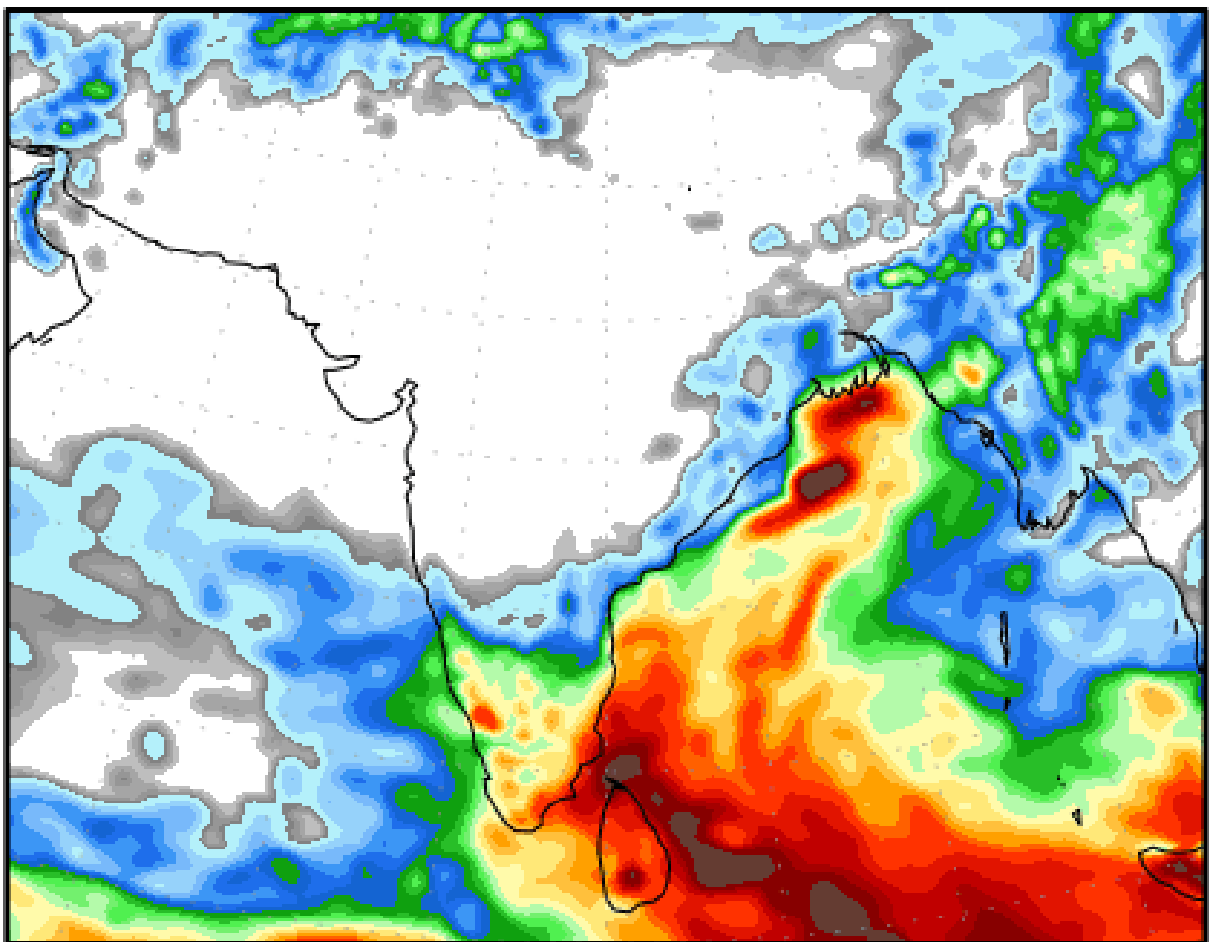
Dry weather prevailed in Chhattisgarh state past few days.

#### **Contingency measure:**

- General: The present time is appropriate for taking of utera (relay) crop. The farmers who are interested in relay crop can take the crop of lathyrus or linseed in their fields. For rabi crops, farmers can start their field operations in fallow fields. Tractor drawn rotovator or cultivator can be used and shallow ploughing should be done. Farmers should go for sowing of field pea, chickpea, toria, Horsegram, sunflower and forage crops.
- Farmers are advised to harvest the matured rice crop and keep it in the field at safe places for proper sun drying only for 1-2 days. Proper monitoring should be done for late sown rice.
- Now late maturity of rice has watched at flowering and milking stage in most of the fields. Looking to these farmers are advised to keep watch on the crop. If the insect infestation is above ETL, use insecticides recommended by agriculture officers. It is also recommended to go for integrated insect and disease management methods. Use improved variety of lathyrus like Pratik, Ratan and Mahatiwda for sowing as this is the appropriate time. Sowing of chickpea in time will help to prevent wilt disease.
- Fruits & Vegetables : Farmers are advised to paint stem of tree by using Bordo mixer/paste, maintain cleanliness in the orchard, prepare basin around the tree and apply recommended dose of manure and fertilizers. If farmers have ready banana and papaya seedlings, they may go for planting in main field. Use Pheromone Traps @ 20 Nos/ha. to control attack of fruit borer in brinjal, tomato and bhindi crops.
- Animal husbandry: Winter has set and therefore farmers are advised to protect their livestock and poultry from low temperature. Parthenium is harmful to the health of animal. Avoid the animal from eating it. Spray the ashes of the oven on the floor of the poultry house. To protect 6-7 weeks poultry birds from Ranikhet and Smallpox diseases give proper vaccination of animal.



**Figure: 1. Latest available satellite picture as on 29 October 2018 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 29 October to 04 November 2018 (Source: NOAA NCEP).**