

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

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

### **Daily Crop Weather Information as on 12 November 2018**

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

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

- The Cyclonic Storm 'GAJA' over Westcentral and adjoining Eastcentral & Southeast Bay of Bengal moved south southwestwards with a speed of 08 kmph during past 06 hours and lay centered at 0830 hours IST of today, the 12th November, 2018 over Westcentral and adjoining Eastcentral & Southeast Bay of Bengal near latitude 13.1°N and longitude 87.0°E, about 730 km eastnortheast of Chennai (Tamilnadu) and 820 km eastnortheast of Nagappattinam(Tamilnadu). It is very likely to move west southwestwards and intensify further into a Severe Cyclonic Storm during next 24 hours and maintain the intensity during subsequent 24 hours. Thereafter, while moving west southwestwards, it is likely to weaken gradually and cross north Tamilnadu coast between Nagappattinam and Chennai as a Cyclonic Storm during 15th November forenoon.
- Under its influence, heavy rainfall is expected to commence over Coastal Andhra Pradesh on 14th November and heavy to very heavy rain at a few places with extremely heavy rain at isolated places likely over Tamilnadu and heavy rain at isolated places over south Coastal Andhra Pradesh, Rayalaseema and Kerala on 15th November and heavy rain at a few places with very heavy rain at isolated places over interior Tamilnadu, Kerala on 16th November.
- The remnant of the current cyclonic storm after landfall is likely to emerge as a low pressure area over southeast Arabian Sea around 16th November evening.
- Heavy rain observed at most places over Andaman & Nicobar Islands.
- A Western Disturbance has started affecting Western Himalayan Region from today. An induced cyclonic circulation is very likely to develop over central Pakistan & adjoining West Rajasthan during next 24 hours. Under its influence, heavy rain/snow at isolated places likely over Jammu & Kashmir on 13th November.
- The images showing the latest satellite picture in figure. 1.

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

- Rainfall observed (from 0830 hours IST to 0830 hours IST of today): Rain/thundershowers observed at a most places over Andaman & Nicobar Islands;
- Maximum temperature departures as on 11.11.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over Rayalaseema and North interior Karnataka; and at isolated places over Kerala, Tamilnadu & Puducherry and Telangana; above normal (1.6°C to 3.0°C) at most places over Rajasthan, Konkan & Goa, Madhya Maharashtra, Marathawada Vidarbha, Coastal Andhra Pradesh and Coastal & South interior Karnataka; at many places over Gujarat; at a few places over West Madhya Pradesh and Lakshadweep; and at isolated places over East Madhya Pradesh; They were appreciably below normal (3.1°C to 5.0°C) at many places over Andaman & Nicobar Islands, Jammu & Kashmir and Himachal Pradesh; below normal (1.6°C to 3.0°C) at most places over West Uttar Pradesh; at a few places over Punjab and Haryana, Chandigarh & Delhi; and at isolated places over East Uttar Pradesh and West Bengal & Sikkim.
- Yesterday, the highest maximum temperature of 36.2°C was recorded at Ahmadabad (Gujarat region) over the plains of the country.
- Minimum temperature departures as on 12.11.2018: Minimum temperature are above normal (1.6°C to 3.0°C) at many places over Jammu & Kashmir, and West Rajasthan; at isolated places over Sub Himalayan West Bengal & Sikkim, East Rajasthan, West Madhya Pradesh, Saurashtra & Kutch, Punjab, Himachal Pradesh and Delhi, Chandigarh & Haryana; below normal (1.6°C to 3.0°C) at most places over Vidarbha; at many places over East Madhya Pradesh, Marathawada, Chhattisgarh and Telangana; at a few place over North Interior Karnataka; at isolated places over Andaman & Nicobar Islands, Coastal & South Interior Karnataka, Kerala, Odisha, Gangetic West Bengal, West Uttar Pradesh and Gujarat Region and near normal over rest of the country.
- Today, the lowest minimum temperature of 6.2°C was recorded at Mandla (East Madhya Pradesh) over the plains of the country.

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

- 12 November (Day 1): No weather warning. Sea conditions is high over eastcentral and adjoining westcentral & southeast Bay of Bengal. Fishermen are advised not to venture into central parts of south & central Bay of Bengal.
- 13 November (Day 2): Heavy rain/snow very likely at isolated places over Jammu and Kashmir. Gale wind speed reaching 90-100 kmph gusting to 110 kmph over southwest & adjoining west central and southeast Bay of Bengal from morning of

13th November 2018. Sea conditions very likely to become very high over southwest & adjoining Westcentral & Southeast Bay of Bengal. Fishermen are advised not to venture into central parts of south & central Bay of Bengal and into southwest & adjoining westcentral Bay of Bengal. Fishermen who are in deep sea are advised to return to coasts.

- 14 November (Day 3): Heavy rain likely at isolated places over Coastal Andhra Pradesh. Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely to commence along & off north Tamilnadu & Puducherry south Andhra Pradesh coast from 14th November morning. It is very likely to increase gradually becoming Gale wind speed 80-90 kmph gusting to 100 kmph along & off north Tamilnadu & Puducherry coast from 14th November night onwards. Sea conditions very likely to become rough to very rough along and off Tamil Nadu south Andhra Pradesh Coast from 14th November morning and high from 14th November night. Sea conditions very likely to become very high over southwest and adjoining Westcentral & Southeast Bay of Bengal. Fishermen are advised not to venture into southwest & adjoining westcentral Bay of Bengal. Fishermen who are in deep sea are advised to return to coasts.
- 15 November (Day 4): Heavy to very heavy rain at a few places with extremely heavy rain at isolated places likely over Tamilnadu & Puducherry and heavy rain at isolated places over Coastal Andhra Pradesh and Rayalaseema. Gale wind speed reaching 80-90 kmph gusting to 100 kmph likely to prevail along and off north Tamil Nadu and Puducherry coast. Sea conditions very likely to become high along and off Tamil Nadu south Andhra Pradesh coast and southwest Bay of Bengal. Fishermen are advised not to venture into southwest & adjoining westcentral Bay of Bengal. Fishermen who are in deep sea are advised to return to coasts.
- 16 November (Day 5): Heavy rain at a few places with very heavy rain at isolated places likely over Tamilnadu & Puducherry and Kerala and heavy rain at isolated places over South Interior Karnataka.
- The weather outlook for the period of seven days *i.e* 12 to 19 November 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur at a few places over Kerala, Tamilnadu & Puducherry, Lakshadweep and Andaman & Nicobar Islands. (Fig. 2).

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

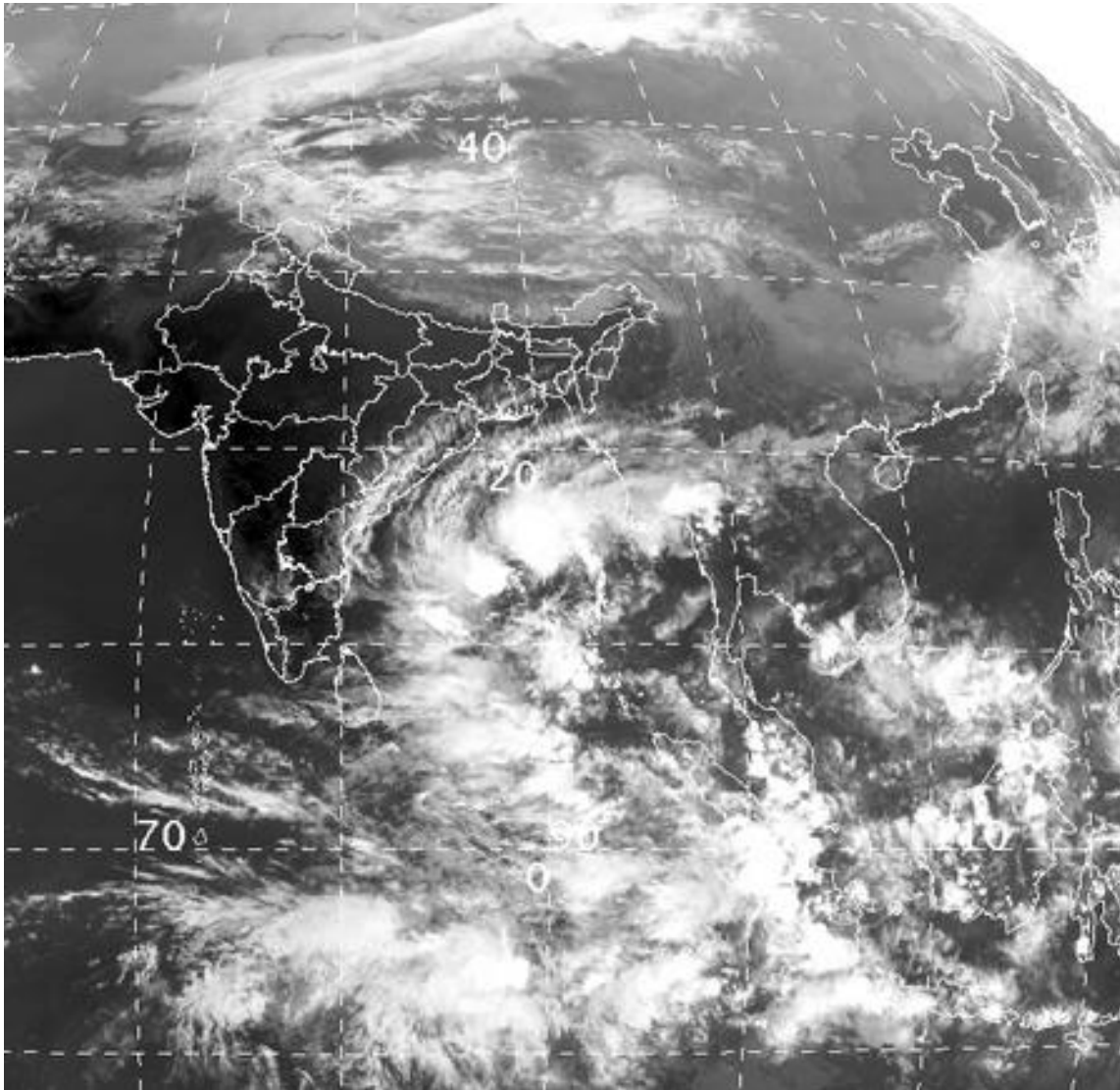
### **Haryana**

#### **Weather condition**

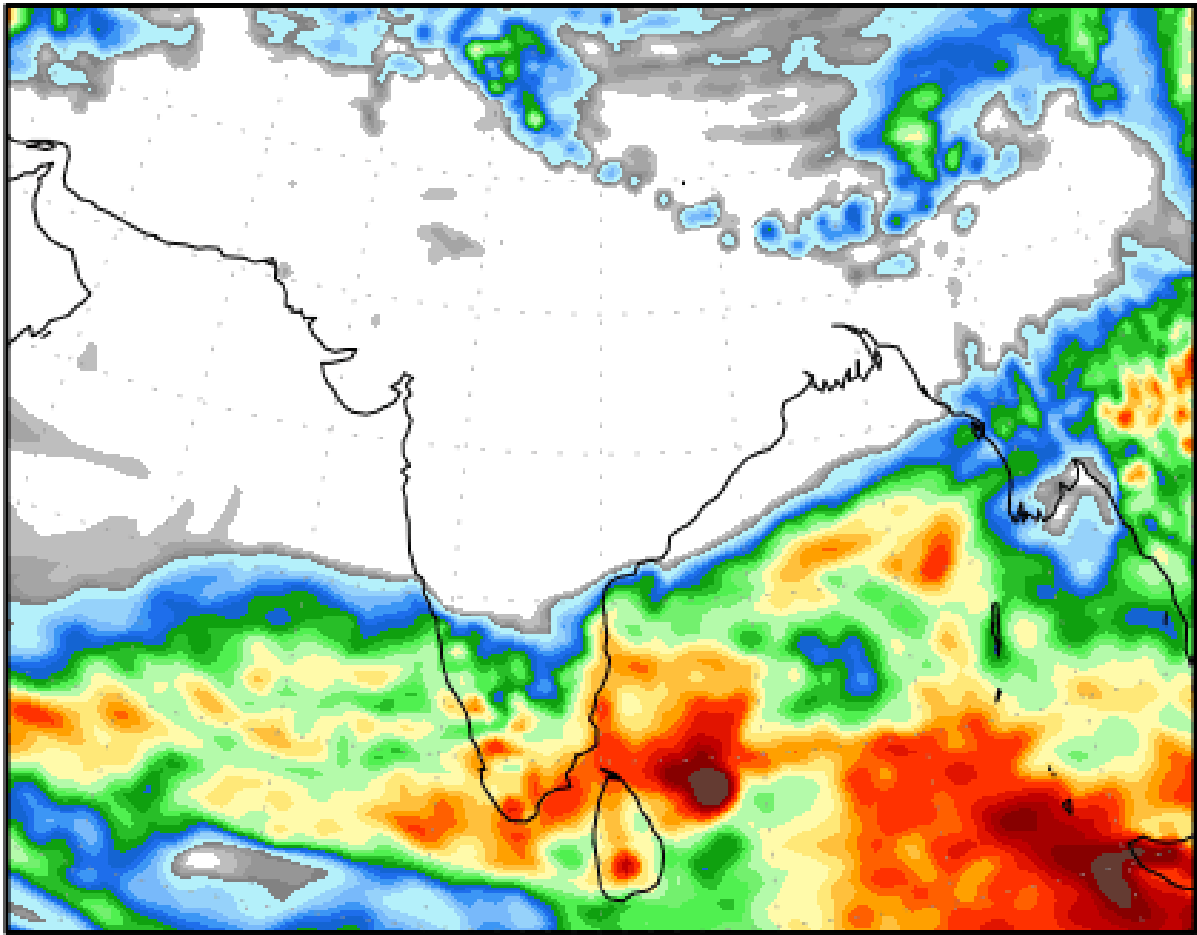
Dry weather prevailed in Haryana state during past few days. Maximum temperature was below normal during the period and minimum temperature was observed below normal.

#### **Contingency measure:**

- General Advisory: Possibilities of dry weather during the period with scattered clouds at isolated places.
- Mustard: Keep vigil on mustard sawfly. Gram: Sowing of HC No 1 in irrigated condition can be undertaken. Farmers are advised to treat the gram seed with Bioderma 4 gram and 1 gram Vitavex mix with 5 ml water for 1 kg seed to controlling of fungal disease and also Rhizobium seed treatment advised as per university recommendation
- Rice: Harvest the late crop and threshing should be on same day or next morning. Farmers are advised to not burn the paddy straw /residue after threshing of the crop. Plough it up in the soil as it improves the soil fertility and prevent air pollution.
- Cotton: Possibility of dry weather farmers? are advised for picking the cotton. The picking should be done after sun rises when dew evaporates from cotton ball.
- Sugarcane: Apply requirement based irrigation. Fodder crops: First irrigation is important and after sowing it should be applied before cracks appear in the soil.
- Live stock: Due to fall in night temperature keep the animals under shed. Provide 50 grams iodized salt and 50 to 100 grams mineral mixture daily with animal feed/fodder to keep them healthy..



**Figure: 1. Latest available satellite picture as on 12 November 2018 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 12 to 19 November 2018 (Source: NOAA NCEP).**