

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

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

### **Daily Crop Weather Information as on 21 February 2019**

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

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

- Intense weather associated with the Western Disturbances and its induced cyclonic circulation is very likely to continue over Western Himalayan Region during next 24 hours and decrease substantially thereafter. Today Isolated heavy rain/snow is likely over Jammu & Kashmir and Himachal Pradesh.
- Rainfall activity is very likely to get enhanced over east & northeast India from 24th February, in association with likely development of conducive conditions for moisture incursion and wind confluence in the lower levels and divergence in the upper levels. Scattered to fairly widespread rainfall with isolated thunder squalls & lightning are very likely over Jharkhand, West Bengal, north Odisha, Assam & Meghalaya, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura mainly during 24th-27th Feb.
- A fresh western disturbance is likely to affect Western Himalayan Region from the evening/night of 24th Feb. and northern plains from 25th Feb.
- The images showing the latest satellite picture in figure. 1.

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

- Rain / thundershowers (from 0830 hrs IST of yesterday to 0830 hrs IST of today ): Rain/thundershowers occurred at most places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand, Punjab; at a few places over Haryana, Chandigarh & Delhi, Vidharbha and at isolated places over West Rajasthan, Uttar Pradesh, Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya.
- Dense fog observed at isolated places over West Rajasthan; Moderate fog at isolated places over Jammu & Kashmir, Rajasthan, East Uttar Pradesh, Odisha and Tripura at 0530 hours IST of today. Visibility : Jaisalmer - 50 M; Batote & Chandbali -200 M each; Kupwara, Lucknow and Agartala -500 M each.

- Maximum temperature departures as on 20.02.2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over Gujarat Region; at many places over Madhya Pradesh, Vidarbha, Chhattisgarh, Madhya Maharashtra, Marathwada; at a few places over Saurashtra & Kutch; at isolated places over Kerala, Odisha, Gangetic West Bengal, Jharkhand; above normal (1.6°C to 3.0°C) at most places over Interior Karnataka; at a few places over East Rajasthan, Tamilnadu & Puducherry, Coastal Karnataka, Rayalaseema and Konkan & Goa. They were markedly below normal (-5.1°C or less) at many places over Haryana, Chandigarh & Delhi; at a few places over Assam Meghalaya, Arunachal Pradesh; appreciably below normal (-3.1°C to -5.0°C) at a few places over Himachal Pradesh, West Uttar Pradesh; at isolated places over Uttarakhand, West Rajasthan and below normal (-1.6°C to -3.0°C) at many places over Punjab; at a few places over Andaman & Nicobar Islands and at isolated places over Jammu & Kashmir and near normal over rest parts of the country.
- Yesterday, the highest maximum temperature of 39.0°C was recorded at Bir (Marathawada) over the country.
- Minimum temperature departures as on 21-02-2019: Minimum temperatures are markedly above normal (5.1°C or more) at many places over West Madhya Pradesh & Marathwada; at a few places over Rajasthan, East Madhya Pradesh, Madhya Maharashtra; appreciably above normal (3.1°C to 5.0°C) at most places over Punjab & Haryana, Chandigarh & Delhi; at many places over Gujarat Region & Vidarbha; at a few places over Uttar Pradesh, Bihar, West Bengal & Sikkim, Tripura and Saurashtra & Kutch; at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand; above normal (1.6°C to 3.0°C) at most places over Uttar Pradesh & Telangana; at a few places over Odisha and Tamilnadu & Puducherry and at isolated places over Jharkhand, Chhattisgarh, Coastal Andhra Pradesh, Kerala and Andaman & Nicobar Islands. They are below normal (-1.6°C to -3.0°C) at isolated places over Assam & Meghalaya and near normal over rest parts of the country.
- The lowest minimum temperature of 8.0°C recorded at Lakhimpur Kheri (East Uttar Pradesh) over the plains of the country.

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

- 21 February (Day 1): Heavy rain/snow at isolated places very likely over Jammu & Kashmir and Himachal Pradesh. Dense fog at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and coastal Odisha.
- 22 February (Day 2): No weather warnings.
- 23 February (Day 3): No weather warnings.

- 24 February (Day 4): Thunderstorm accompanied with Squall & lightning at isolated places very likely over Jharkhand. Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Odisha, Gangetic West Bengal, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Dense fog at isolated places likely over Punjab, Haryana, Chandigarh & Delhi and northwest Uttar Pradesh.
- 25 February (Day 5): Thunderstorm accompanied with Squall & lightning at isolated places very likely over Jharkhand, Gangetic West Bengal, Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Sub-Himalayan West Bengal and Arunachal Pradesh. Dense fog at isolated places likely over Punjab, Haryana, Chandigarh & Delhi and northwest Uttar Pradesh.
- The weather outlook for the period of seven days *i.e.* 21 to 28 February 2019 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Punjab, Haryana, Chandigarh & Delhi, West Rajasthan, Uttar Pradesh, Madhya Pradesh, Vidharbha and North Eastern States. (Fig. 2).

## Agricultural activities (AICRPAM-CRIDA)

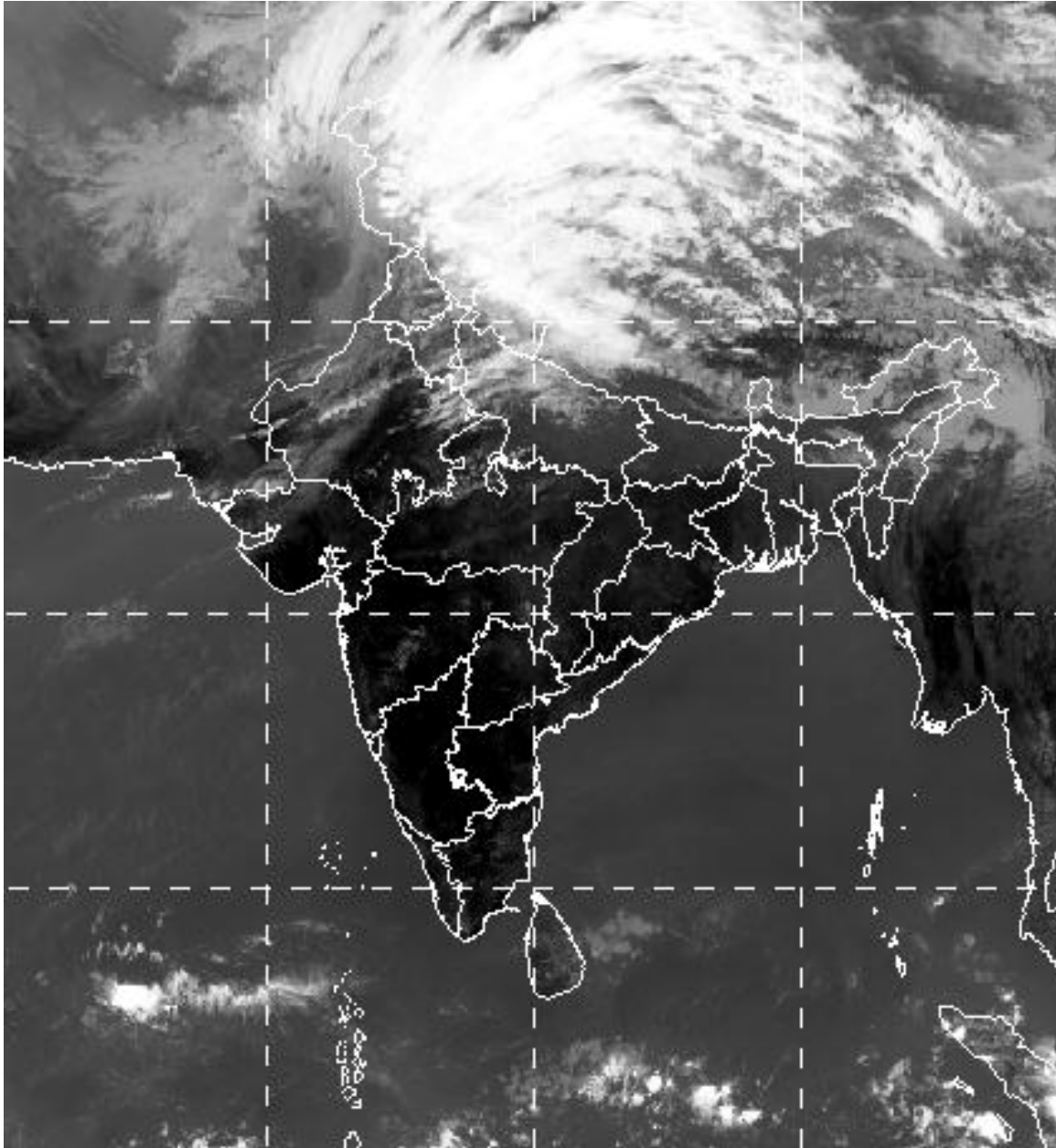
### **Assam**

#### **Weather condition:**

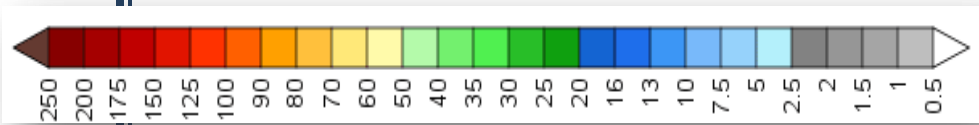
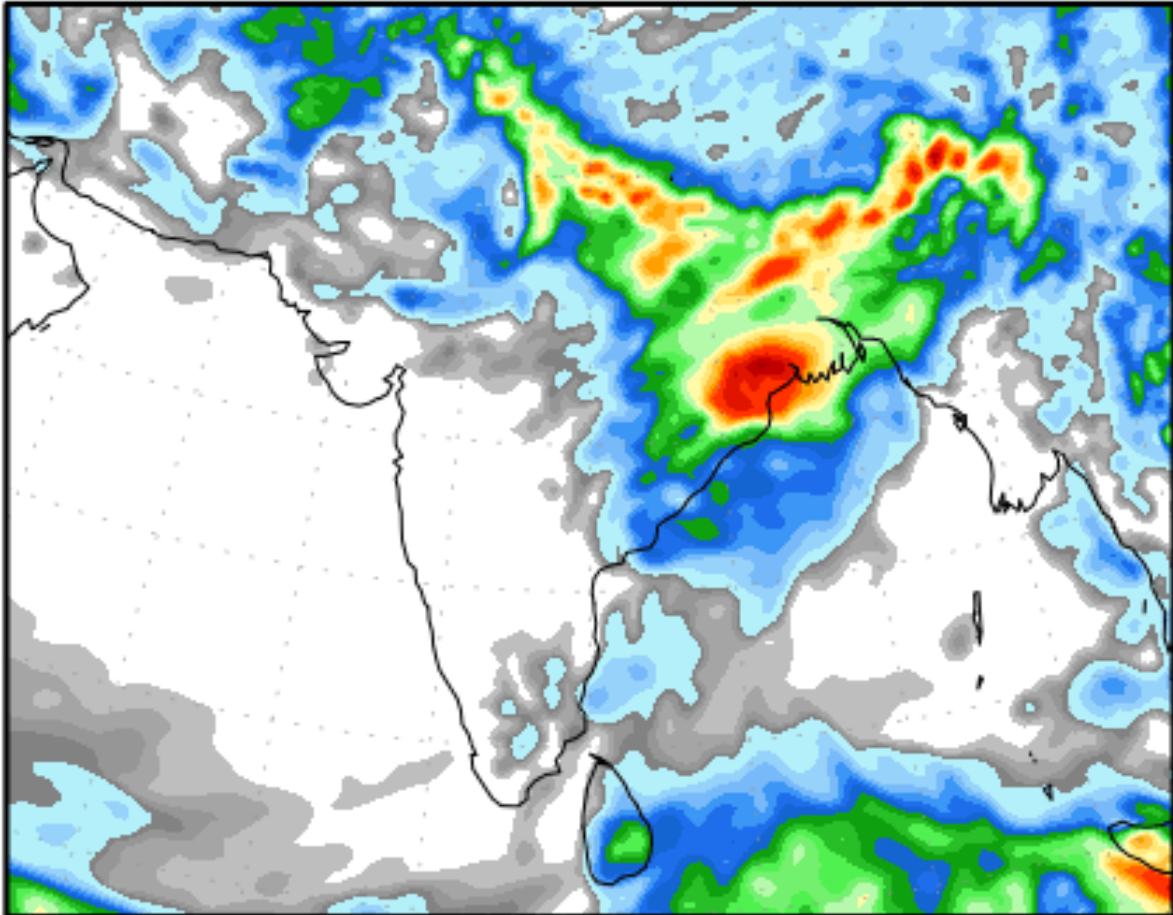
Weather was partly cloudy in Assam state during past few days. Daily average maximum temperature was 27.2° C which was 2.9° C above normal and the average daily minimum temperature was 12.2° C which was 0.3° C below normal.

#### **Contingency measure:**

- Rapeseed and mustard: As there is a possibility of getting light to moderate rainfall in coming 4 days, so farmers are advised to postpone their harvesting operation till the rain recedes.
- Summer Greengram and Blackgram: Farmers are advised to prepare land for growing green gram & black gram crop. Sandy loam soil is more preferable. Collect recommended varieties viz.T9, Pant U 19, UG 157 etc. for black gram and Kopergaon, Pratap, AAU 39 etc. for green gram cultivation.



**Figure: 1. Latest available satellite picture as on 21 February 2019 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 21 to 28 February 2019 (Source: NOAA NCEP).**