

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

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

### **Daily Crop Weather Information as on 29 January 2020**

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

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

- Under influence of Western Disturbance as a cyclonic circulation over north Pakistan & adjoining Jammu & Kashmir between 3.1 & 7.6 km above mean sea level and induced cyclonic circulation over northeast Rajasthan & neighborhood at lower tropospheric levels, fairly widespread to widespread rain/snow very likely to occur over Western Himalayan Region during next 24 hours.
- Light to moderate scattered/fairly widespread rain/thunderstorm during the next 24 hours over Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh and scattered rain/thunderstorm with lightning over East India during next 24 hours.
- Dense fog very likely over plains of northwest India during the next 3 days and Rajasthan during the next 2 days.
- The images showing the latest satellite picture in the figure. 1.

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

- Rain/Thundershowers observed (from 0830 hours IST to 1730 hours IST of yesterday): at most places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand and Punjab; at a few places over Haryana, Chandigarh & Delhi and at isolated places over East Uttar Pradesh and Bihar.
- Maximum Temperature Departures as on 28-01-2020: Maximum temperatures were above normal (1.6°C to 3.0°C) at many places over Chhattisgarh and Coastal Andhra Pradesh & Yanam; at a few places over East Madhya Pradesh and Kerala & Mahe and at isolated places over Rayalaseema, West Madhya Pradesh, Marathwada, Telangana and Karnataka. They were markedly below normal (-5.1°C or less) at many places over Jammu & Kashmir and Himachal Pradesh and at isolated places over Uttarkhand; appreciably below normal (-3.1°C to -5.0°C) at a few places over Assam & Meghalaya and Gujarat and at isolated places over Sub-Himalayan West Bengal & Sikkim, Madhya Maharashtra and Tamil-Nadu, Puducherry & Karaikal and below normal (-1.6°C to -3.0°C) at most places over West Rajasthan; at a few places over Punjab and Bihar and at isolated places over East Rajasthan, East Uttar Pradesh, Gangetic West Bengal and Andaman &

Nicobar Islands and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 36.8°C was recorded at Punalur (Kerala).

- Minimum Temperature Departures as on 28-01-2020: Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over East Rajasthan, East Madhya Pradesh and Gujarat region; at many places over West Rajasthan, West Madhya Pradesh and Saurashtra & Kutch and at isolated places over Madhya Maharashtra, Tamil-Nadu, Puducherry & Karaikal and Assam & Meghalaya; above normal (1.6°C to 3.0°C) at most places over Jammu & Kashmir, Punjab, Haryana, Chandigarh & Delhi, Chhattisgarh and Marathwada; at many places over Himachal Pradesh, Uttar Pradesh, Vidarbha, Telangana, Konkan & Goa, Coastal Andhra Pradesh & Yanam and Rayalaseema; at a few places over Kerala & Mahe, and Coastal & South Interior Karnataka. They were below normal (-1.6°C to -3.0°C) at many places over Sub-Himalayan West Bengal & Sikkim and at isolated places over Bihar, Gangetic West Bengal & Odisha and near normal over rest parts of the country. Yesterday, the lowest minimum temperature of 6.6°C was recorded at Bahraich (East Uttar Pradesh) over plains of the country.

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

- 29 January (Day 1): Dense fog very likely in isolated parts over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan and Odisha. Thunderstorm accompanied with hail & lightning very likely at isolated places over Uttarakhand and with lightning at isolated places over East Uttar Pradesh, Gangetic West Bengal and Odisha. Cold day conditions very likely in isolated parts over Uttarakhand.
- 30 January (Day 2): Dense fog likely in isolated parts over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, north Rajasthan, Bihar and Odisha. Thunderstorm accompanied with lightning likely at isolated places over Sub-Himachal West Bengal & Sikkim.
- 31 January (Day 3): Dense fog likely in isolated parts over Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh and Bihar. Thunderstorm accompanied with hail & lightning likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 01 February (Day 4): Thunderstorm accompanied with hail & lightning likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 02 February (Day 5): Thunderstorm accompanied with lightning likely at isolated places over Arunachal Pradesh.

- The weather outlook for the period of seven days i.e., 29 Jan to 06 Feb 2020 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) rain/thundershower may occur over Some parts of Extreme northern parts of India. (Fig. 2).

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

### **Uttarakhand**

#### **Weather condition:**

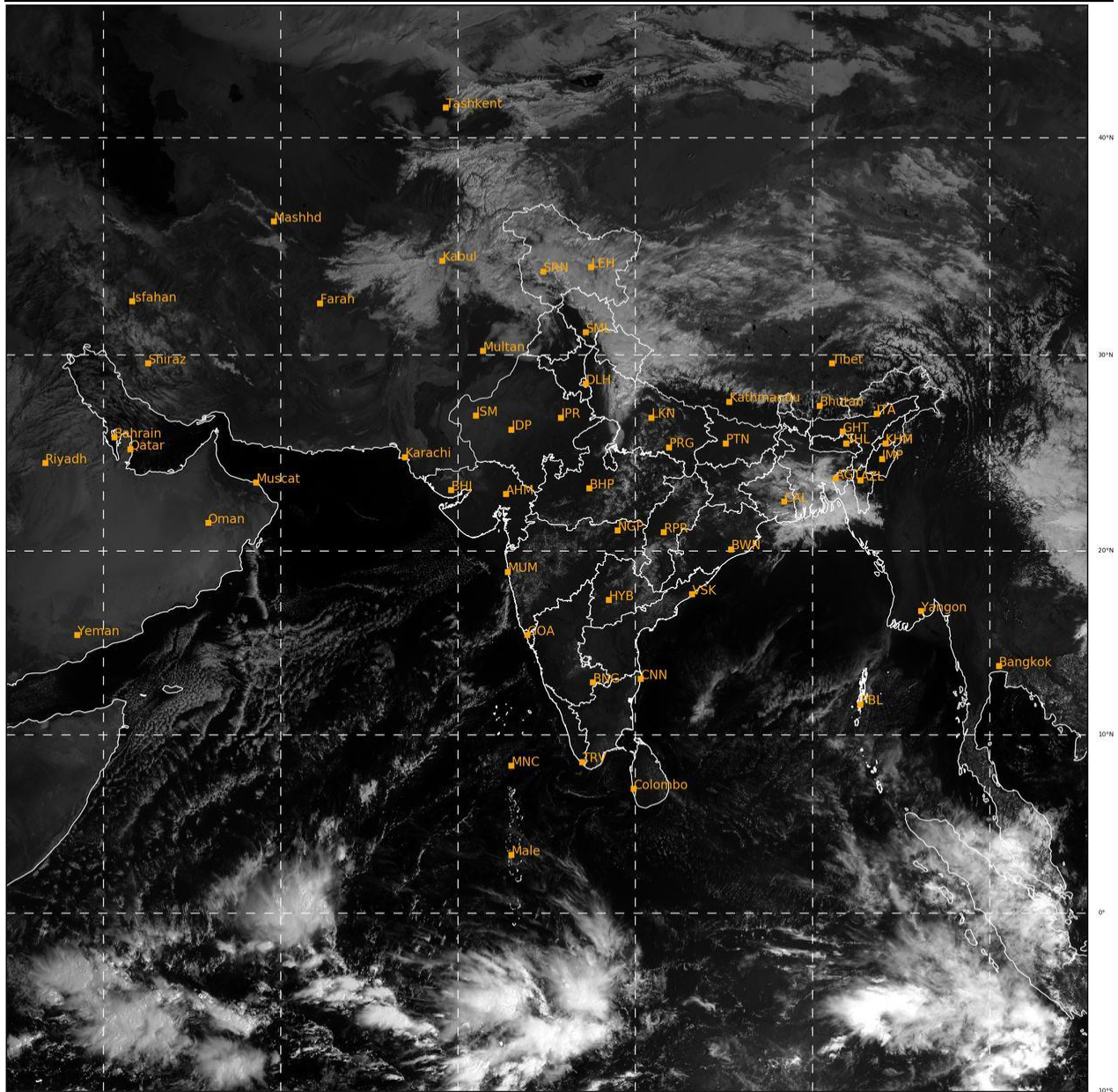
Partly cloudy to mainly cloudy sky condition was last week, 4.5 mm rainfall observed. Max. & Min. range were 8.0 to 15.2 & -1.3 to 0.7 °C. As per forecast received from IMD, light to moderate rainfall is expected on 29-30 January 2020.

#### **Contingency measure:**

- Light to moderate rainfall is expected on 29-30 January (till 8:30 Hours). Prepare nursery beds and sowing of seeds in poly houses/polytunnels. The height of nursery beds should be 10-15cm above the surface. Use disease resistance and area-specific seeds. Keep animals in sunlight during day time. Shady trees around the shed should be trimmed to encourage the infiltration of sunlight in the shed. Animals shed and its floor should not remain wet and cool for longer periods. Provide a mineral mixture and salt.

SAT : INSAT-3D IMG  
Visible Count 0.65 um  
L1C Mercator

29-01-2020/(0530 to 0557) GMT  
29-01-2020/(1100 to 1127) IST

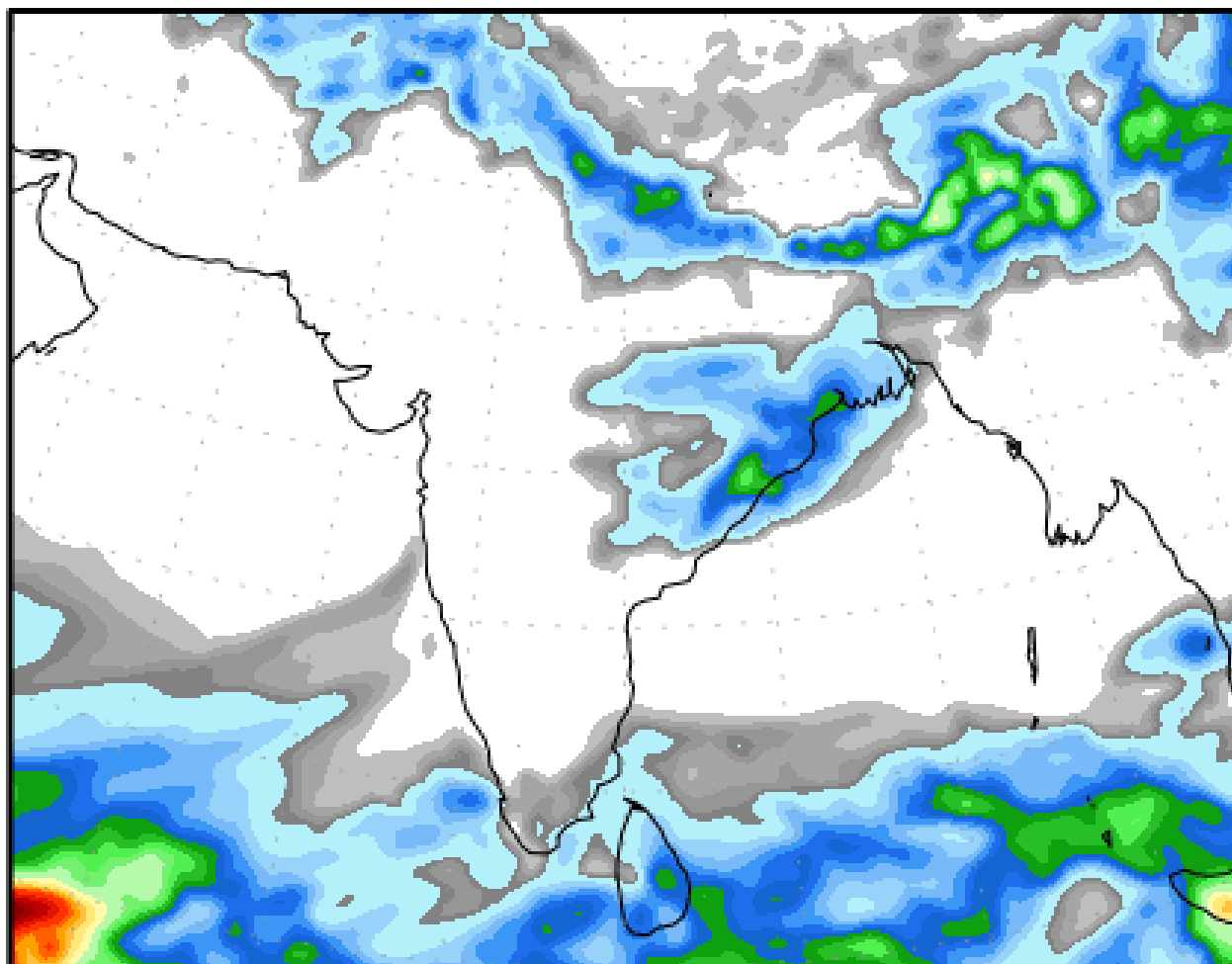


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IMD, DELHI

**Figure: 1. Latest available satellite picture as on 29 January 2020 at 1127 Hrs (IST). (Source: IMD).**



**Figure:2. Precipitation forecast for 29 Jan to 06 Feb 2020 (Source: NOAA NCEP).**

*Disclaimer: The predictability of weather depends on many factors which are dynamic in nature. The success of Agromet advisories provided here depends on the accuracy of the forecasts. In no event will India Meteorological Department (IMD) and Indian Council of Agricultural Research (ICAR) be liable to the user or to any third party for any direct, indirect, incidental, consequential, special or exemplary damages or lost profit resulting from any use or misuse of the information on this bulletin.*