

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

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

### **Daily Crop Weather Information as on 03 March 2021**

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

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

- A fresh Western Disturbance is very likely to affect Western Himalayan Region from the night of 05th March and adjoining plains of Northwest India from the night of 06th March. Under its influence:
  - (i) Fairly widespread to widespread rainfall/snowfall very likely over Western Himalayan Region during 06th-07th March.
  - (ii) Isolated light rain/drizzle very likely over Punjab on 06th & 07th and over Haryana, Chandigarh & Delhi and West Uttar Pradesh on 07th March.
  - (iii) Isolated heavy rainfall/snowfall very likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad on 06th & 07th and over Himachal Pradesh and Uttarakhand on 07th March.
  - (iv) Thunderstorm with lightning & hail very likely at isolated places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand on 06 & 07th March.
  - (v) Thunderstorm with lightning & hail very likely at isolated places over Punjab and north Haryana & Chandigarh and thunderstorm with lightning at isolated places over West Uttar Pradesh on 07th March.
- Scattered to fairly widespread rainfall very likely over Arunachal Pradesh and isolated to scattered rainfall over Assam & Meghalaya with thunderstorm/lightning during 03rd-06th March.
- The images showing the latest satellite picture in the figure. 1.

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

- Rain/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at most places over Arunachal Pradesh and at a few places over Sub-Himalayan West Bengal & Sikkim and at isolated places over Assam & Meghalaya and Konkan & Goa.
- Rainfall recorded (from 0830 hours IST of yesterday to 0830 hours IST of today)(1 cm or more): Itanagar-1.

- Maximum Temperature Departures as on 02-03-2021: Maximum temperatures were markedly above normal (5.1°C or more) at a few places over Himachal Pradesh; appreciably above normal (3.1°C to 5.0°C) at a few places over Gangetic West Bengal; and Uttarakhand; at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, West Rajasthan, Jharkhand, Assam & Meghalaya; Nagaland, Manipur, Mizoram & Tripura, Saurashtra & Kutch and Madhya Pradesh; above normal (1.6°C to 3.0°C) at most places over Gujarat region; at many places over Punjab and Marathwada; at a few places over Sub-Himalayan West Bengal & Sikkim and Konkan & Goa; at isolated places over Haryana, Chandigarh & Delhi, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Coastal Karnataka, Kerala and Tamilnadu, Puducherry & Karaikal. They were below normal (-1.6°C to -3.0°C) at isolated places over East Uttar Pradesh and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 39.5°C was reported at Akola (Vidarbha) over the country.
- Minimum Temperature Departures as on 03-03-2021: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places over Himachal Pradesh and Uttarakhand; above normal (1.6°C to 3.0°C) at many places over Madhya Maharashtra and Coastal Karnataka; at a few places over Gangetic West Bengal, Konkan & Goa and Andaman & Nicobar Islands; and at isolated places over West Rajasthan, Bihar and Saurashtra & Kutch. They are appreciably below normal (-3.1°C to -5.0°C) at a few places over East Rajasthan and at isolated places over Gujarat Region, East Madhya Pradesh and South Interior Karnataka; below normal (-1.6°C to -3.0°C) at many places over Odisha and Rayalseema; at a few places over West Madhya Pradesh and Tamil Nadu, Puducherry & Karaikal and at isolated places over Telangana and near normal over rest parts of the country. Today, the lowest minimum temperature of 7.8°C is reported at Pantnagar (Uttarakhand) over the plains of the country.

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

- 03 March (Day 1): Thunderstorm with lightning very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Heat Wave conditions very likely at isolated places over Vidarbha.
- 04 March (Day 2): Thunderstorm with lightning very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Heat Wave conditions very likely at isolated places over Vidarbha.
- 05 March (Day 3): Thunderstorm with lightning very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

- 06 March (Day 4): Thunderstorm with lightning & hail likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand and with lightning at isolated places over Arunachal Pradesh and Assam & Meghalaya. Heavy rainfall/snowfall likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad.
- 07 March (Day 5): Thunderstorm with lightning & hail likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab and north Haryana & Chandigarh and with lightning at isolated places over West Uttar Pradesh. Heavy rainfall/snowfall likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand.
- The weather outlook for seven days i.e., 03 Mar to 11 March 2021 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)**

### **Madhya Pradesh**

#### **Weather condition:**

High Tmax.: 35 C at Khandwa and Khargone districts - Low Tmin.: 9 C at Raisen, Gwalior, Rewa, Umaria and Khajuraho districts - Rainfall: Maxi. rainfall of 30 mm occurred in Betul and Dhar districts - Day and Night temp.: Normal over the state

#### **Contingency measure:**

- Powdery mildew disease may occur in the field. Apply Mangozeb at 2-5 g per liter of water in the field.
- Orchards : Managements against insect-pest and disease in a newly formed orchards.
- Light irrigation is applied in mango and citrus trees. Make sure to apply insecticide as it should not affect beneficial insects required for pollination. Vegetables: Due to rise in temperature, increase intervals of applying irrigation. Spray of insecticide in Sem vegetable against aphids. Aphid attack may occurs in the field spray of Imidacloprid at 100 ml per 500 to 600 liters of water. As temperatures are rising, farmers are requested to monitor the field. If pod borer is more than 2 per meter length, then spray of Triazophos insecticide at 750 ml per 500-600 liters of water in the field. Also please T shaped wooden stick in the field for birds .
- Mustard: General Advice- In rabi crops apply pesticide spray and remaining

nitrogen fertilizers. Be sure to top-dressing of urea in the evening hours.

- Wheat : In Late- sown wheat, apply irrigation followed by urea application make sure to broadcast urea during evening hours. Apply irrigation at critical stages of irrigation in wheat.
- Animal Husbandry: Place jute races on the windows of poultry and dairy sheds in the night hours to protect of cold air.

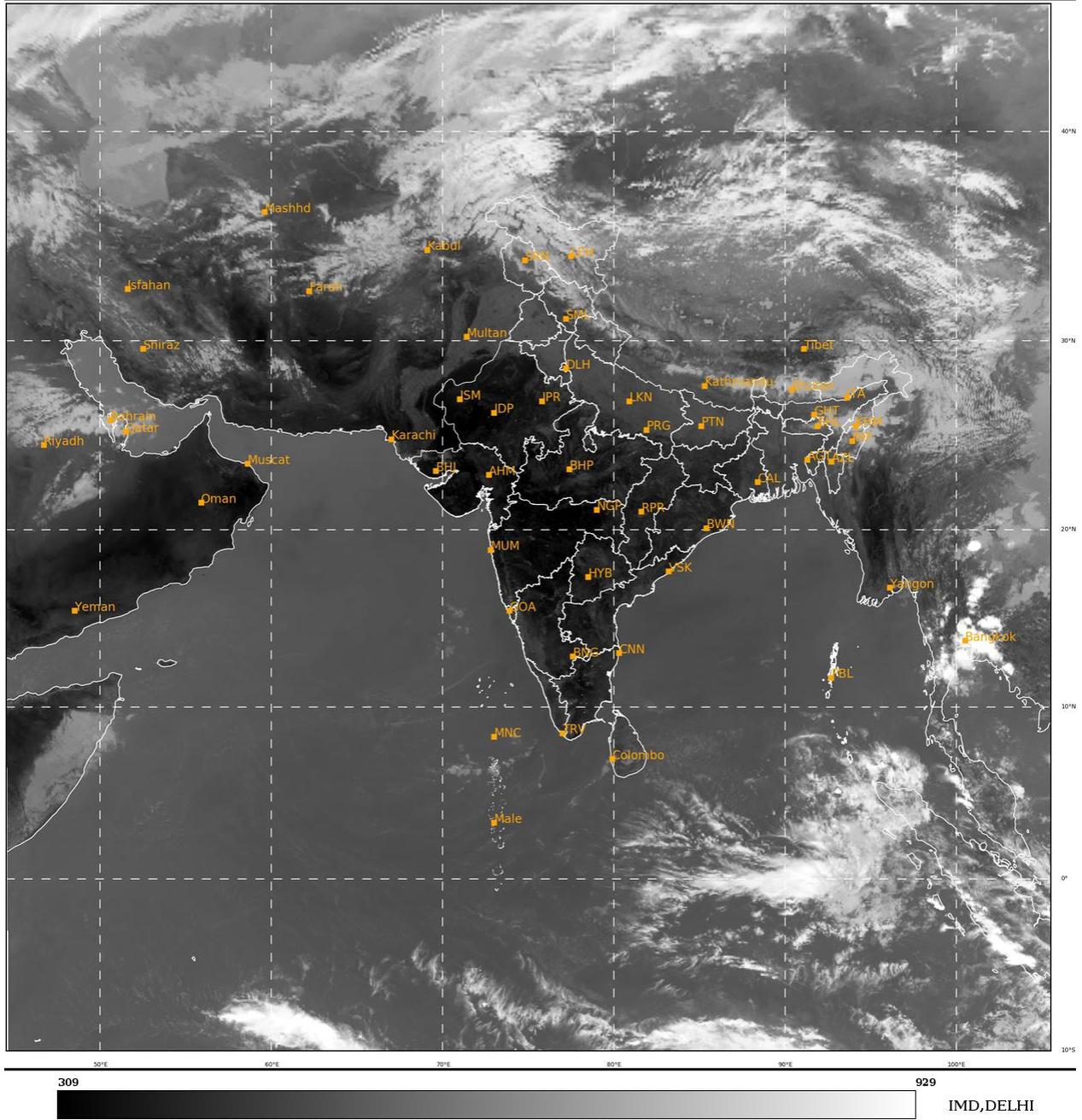
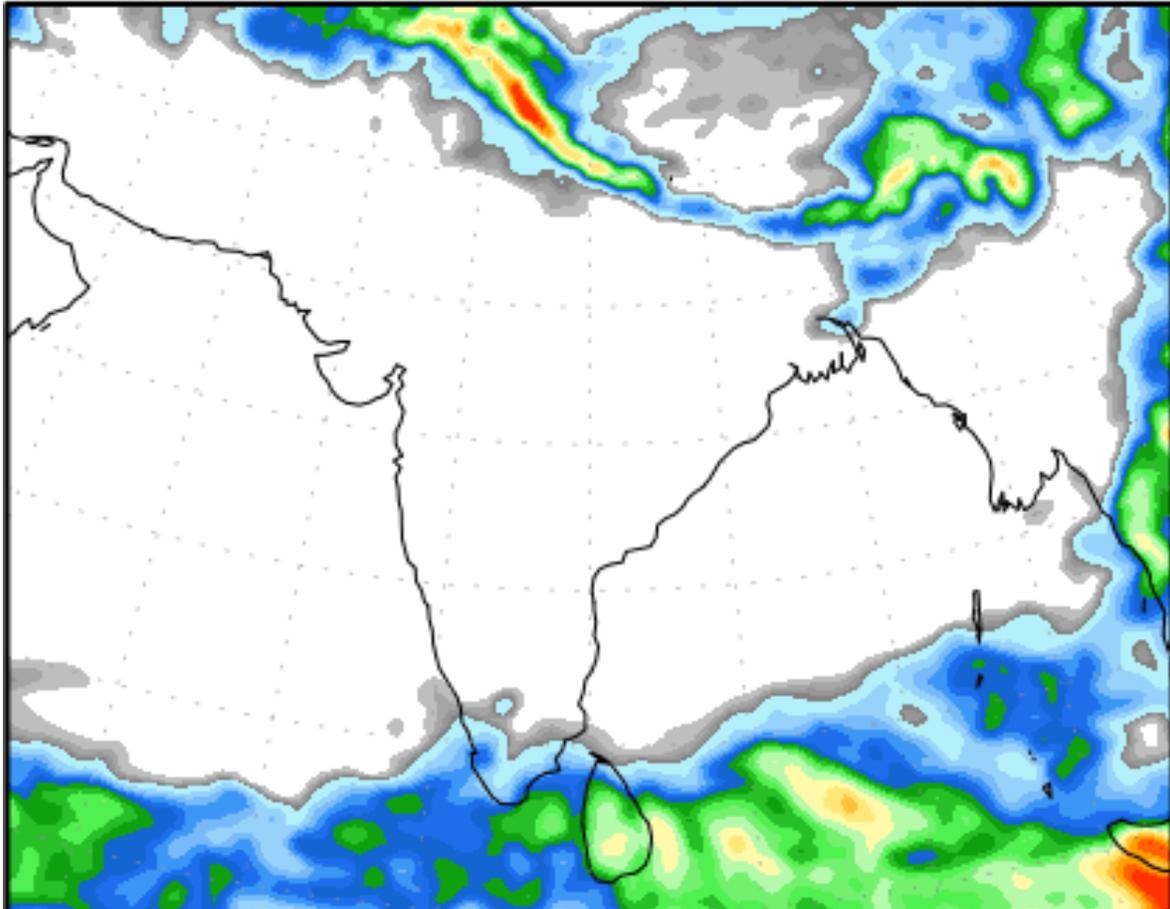


Figure: 1. Latest available satellite picture as on 03 March 2021 at 1356 Hrs (IST). (Source: IMD).



**Figure 2. Precipitation forecast**  
 for 03 to 11 March 2021 (Source: NOAA NCEP).

*Disclaimer: The predictability of weather depends on many dynamic factors. 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 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.*