

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

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

### **Daily Crop Weather Information as on 17 February 2022**

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

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

- Weather Systems and associated forecast & warnings:
- Under the influence of cyclonic circulation over Southeast Bay of Bengal at lower tropospheric levels; Fairly widespread to widespread rainfall very likely over Andaman & Nicobar Islands during next 3 days and reduce thereafter. Isolated heavy rainfall accompanied with thunderstorm/lightning also likely over Andaman & Nicobar Islands on 17th and over Andaman Islands on 18th February. Strong surface winds (20-30 kmph) likely along & off Andaman & Nicobar Islands during next 48 hours.
- Isolated to scattered light/moderate rainfall likely over Arunachal Pradesh during next 03 days and fairly widespread during subsequent 02 days; Isolated to scattered light/moderate rainfall over Assam & Meghalaya during 19th to 21st; over Nagaland-Manipur-Mizoram-Tripura on 20th and 21st February. Isolated Heavy rainfall also likely over Arunachal Pradesh on 20th February 2022.
- A trough runs from north Kerala to Marathwada in lower tropospheric levels and also due to northeasterly winds over coastal Tamil Nadu in lower tropospheric levels, isolated light/moderate rainfall very likely over south interior Karnataka and Marathwada on 17th; over Telangana during next 2 days; over south Tamil Nadu and Kerala during next 5 days and scattered light/moderate rainfall over Lakshadweep Islands during next 2 days.
- Isolated/scattered light/moderate rainfall very likely over Sub-Himalayan West Bengal-Sikkim during next 5 days and isolated light/moderate rainfall over Gangetic West Bengal & Odisha on 20th & 21st; over Jharkhand on 20th and over Bihar on 21st February, 2022.
- Isolated light rainfall likely over Vidarbha and Chhattisgarh on 17th, 19th & 20th; Madhya Pradesh on 18th & 19th February, 2022.
- Under the influence of feeble Western Disturbance; isolated light rainfall/snowfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad on 17th & 18th and over Himachal Pradesh on 18th February, 2022.

- Strong surface winds (25-35 kmph) likely to prevail over Haryana-Chandigarh-Delhi and Uttar Pradesh on 19th and 20th February 2022.
- The images showing the latest satellite picture in the figure. 1.

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

- Rainfall observed (from 0830 hours IST of yesterday to 0830 hours IST today): at many places over Andaman & Nicobar Islands; at a few places over Lakshadweep and Sub-Himalayan West Bengal-Sikkim and at isolated places over Uttarakhand, Vidarbha, Chhattisgarh, Arunachal Pradesh, Assam & Meghalaya, Telangana, South Interior Karnataka, Tamil Nadu-Puducherry-Karaikal and Kerala-Mahe.
- Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hours IST today): at isolated places over Vidarbha.
- Fog observed (at 0830 hours IST today): Very Dense Fog in isolated pockets over Punjab; Dense Fog in isolated pockets SubHimalayan West Bengal & Sikkim and Moderate fog in isolated pockets over Haryana.
- Minimum Temperature Departures (as on 17-02-2022): Minimum temperatures are above normal (1.6°C to 3.0°C) at many places over Saurashtra-Kutch; at a few places over Andaman & Nicobar Islands, Gujarat Region and Vidarbha and at isolated places over Himachal Pradesh, East Rajasthan, Marathwada and Telangana. They are appreciably below normal (-3.1°C to -5.0°C) at isolated places over East Madhya Pradesh and Tripura; below normal (-1.6°C to -3.0°C) at most places over Gangetic West Bengal, Coastal Andhra Pradesh-Yanam and Assam-Meghalaya; at many places over Haryana-Chandigarh-Delhi; at a few places over West Madhya Pradesh and at isolated places over Jammu-Kashmir-Gilgit-Baltistan-Muzaffarabad, Uttarakhand, West Rajasthan, Bihar, Tamil Nadu-Puducherry-Karaikal, Manipur and Mizoram and and near normal over rest parts of the country. Today, the lowest minimum temperature of 4.6°C reported at Pantnagar (Uttarakhand) over the plains of the country.
- Maximum Temperature Departures (as on 16-02-2022): Maximum temperatures were markedly above normal(5.1°C to more) at a few places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; appreciably above normal (3.1°C to 5.0°C) at a few places over Arunachal Pradesh, Assam & Meghalaya West Rajasthan and Saurashtra & Kutch; above normal (1.6°C to 3.0°C) at most places over Himachal Pradesh; at isolated places over East Rajasthan. They were appreciably below normal (-3.1°C to -5.0°C) at a few places over West Bengal& Sikkim, Rayalaseema and Andaman & Nicobar Islands; at isolated places over East Uttar Pradesh and Tamil Nadu Puducherry-Karaikal; below normal (-1.6°C

to -3.0°C) at most places over South Interior Karnataka; at many places over Konkan & Goa , Madhya Maharashtra, Telangana, North Interior Karnataka, Bihar and Chhattisgarh; at a few places over Coastal Andhra Pradesh & Yanam and Kerala & Mahe; at isolated places over Madhya Pradesh and Vidarbha and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 36.0°C was reported at Punalur (Kerala) over the country

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

- 17 February (Day 1): Thunderstorm accompanied with lightning at isolated places very likely over Andaman & Nicobar Islands. Heavy Rainfall at isolated places very likely over Andaman & Nicobar Islands.
- 18 February (Day 2): Thunderstorm accompanied with lightning at isolated places very likely over Andaman & Nicobar Islands. Heavy Rainfall at isolated places very likely over Andaman Islands.
- 19 February (Day 3): No warning.
- 20 February (Day 4): Thunderstorm accompanied with lightning at isolated places likely over Arunachal Pradesh and Assam & Meghalaya. Heavy Rainfall at isolated places likely over Arunachal Pradesh.
- 21 February (Day 5): Thunderstorm accompanied with lightning at isolated places likely over Arunachal Pradesh and Assam & Meghalaya.
- The weather outlook for seven days i.e., 17 Feb to 25 Feb 2022 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)**

#### **West bengal**

#### **Weather condition:**

Weather conditions during the 6th week at Mohanpur, West Bengal: Maximum temperature: 22.4 to 26.8°C, Minimum temperature: 13.2 to 13.7°C, bright sun shine hours: 0.0 to 9.1 hours, Morning-time relative Humidity: 87 to 100%, after noon-time R.H: 48 to 91%, weekly total pan evaporation: 9.2 mm, total weekly rainfall: 19.8 mm and average daily wind speed is 0.2 km/h.

#### **Contingency measure:**

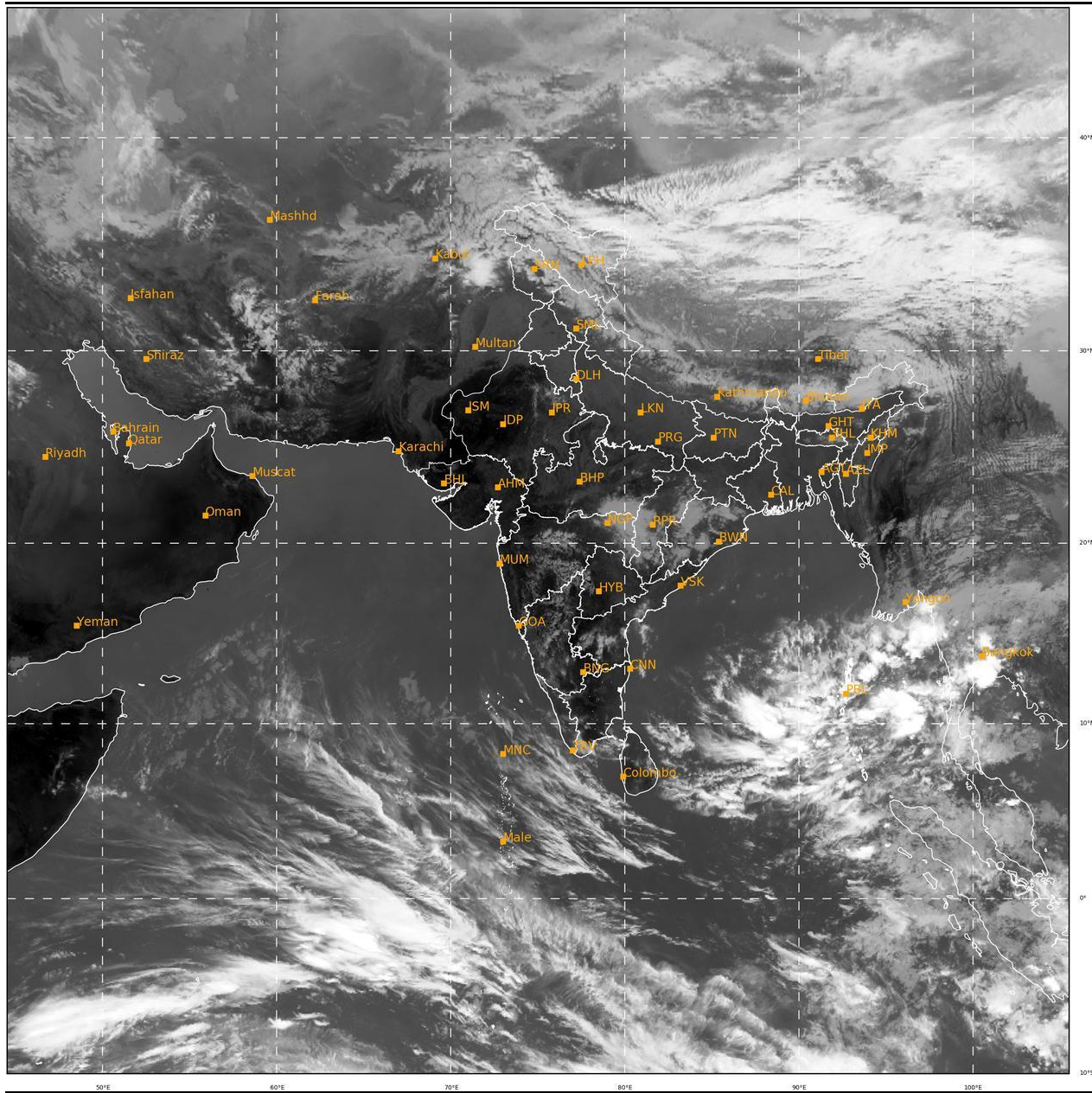
- Mustard: For control of white rust in Mustard spraying with Metalaxyl and Mancozeb may be useful.;
- Chilli: If leaves showed upward curling symptom then it is the symptom of thrips attack. Control: Spray Thiamethoxam or Imidacloprid or Acetamiprid or

spray Difenturon. Mite: If leaves showed downward curling symptom then it is the symptom of mite attack. Control: Spray Spiromesifen or spray of Propargite or Fenezaquin can be useful.;

- Lentil: To control rust in pulse crop apply chlorothalonil.;
- Potato: For preventive measure of late blight in potato Mancozeb or Chlorothalonil or Copper Oxychloride spraying may be useful. For curative measure spraying of Cymoxanil + Mancozeb or Dimethomorph may be useful.

SAT : INSAT-3D IMG  
IMG\_TIR1 10.8 um  
LIC Mercator

17-02-2022/(0800 to 0827) GMT  
17-02-2022/(1330 to 1357) IST

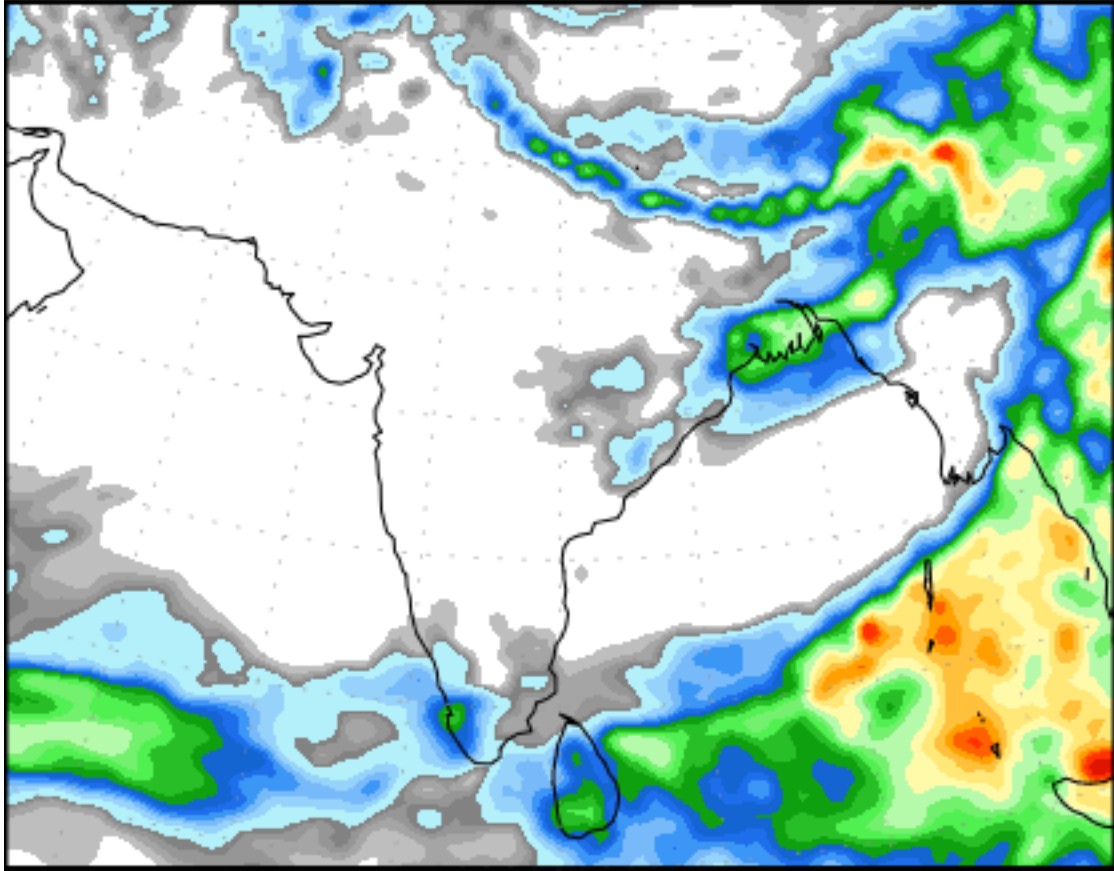


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IMD,DELHI

Figure: 1. Latest available satellite picture as on 17 Feb 2022 at 1357 Hrs (IST). (Source: IMD).



**Figure:2. Precipitation forecast for 17 Feb to 25 Feb 2022 (Source: NOAA NCEP).**

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