

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 11 February 2021

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Dense to Very Dense Fog in isolated pockets very likely over Punjab, Haryana, Chandigarh & Delhi, East Uttar Pradesh and northwest Rajasthan in the morning hours of 12th & 13th February and Dense Fog in isolated pockets over the same area in the morning hours of 14th February, 2021. Dense Fog in isolated pockets over Bihar in the morning hours of 12th & 13th and over Odisha in the morning hours of 12th February, 2021.
- 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 isolated places over Uttarakhand.
- Rainfall recorded (from 0830 hours IST of yesterday to 0830 hours IST of today) (1 cm or more): Nil.
- Fog reported at 0830 hrs IST of today: Very Dense Fog in many pockets over Punjab and Haryana; in a few pockets over East Uttar Pradesh and in isolated pockets over West Rajasthan and Odisha; Dense Fog in isolated pockets over Delhi and Moderate Fog in isolated pockets over Gangetic West Bengal and Himachal Pradesh.
- Maximum Temperature Departures as on 10-02-2021: Maximum temperatures were markedly above normal (5.1°C or more) at a few places over Himachal Pradesh; at isolated places over West Rajasthan; appreciably above normal (3.1°C to 5.0°C) at many places over Uttarakhand, East Rajasthan, Assam & Meghalaya, Arunachal Pradesh and West Madhya Pradesh; at a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad; at isolated places over Haryana, Chandigarh & Delhi and Gujarat state; above normal (1.6°C to 3.0°C) at many places over Punjab, Uttar Pradesh, East Madhya Pradesh, Vidarbha; at a few places over Sub-Himalayan West Bengal & Sikkim, Odisha, Jharkhand, Nagaland, Manipur, Mizoram & Tripura and at isolated places over Konkan & Goa and Kerala & Mahe. They were below normal (-1.6°C to -3.0°C) at a few

places Andaman & Nicobar Islands and at isolated places over Tamil Nadu, Puducherry & Karaikal and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 35.2°C was reported at Mangalore (Coastal Karnataka) and Alapuzha (Kerala) over the country.

- Minimum Temperature Departures as on 11-02-2021: Minimum temperatures are above normal (1.6°C to 3.0°C) at many places over West Rajasthan and at isolated places over Himachal Pradesh and East Madhya Pradesh and Rajasthan. They are appreciably below normal (-3.1°C to -5.0°C) at most places over South Interior Karnataka and at a few places over Marathwada and Vidarbha; below normal (-1.6°C to -3.0°C) at many places over West Bengal & Sikkim, Telangana, Rayalseema, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Odisha; at a few places over Coastal & North Interior Karnataka and Jharkhand and at isolated places over Gujarat state, East Rajasthan, Uttar Pradesh, Haryana, Chandigarh & Delhi, West Madhya Pradesh, Madhya Maharashtra and Coastal Andhra Pradesh & Yanam and near normal over rest parts of the country. Today, the lowest minimum temperature of 5.0°C is reported at Sikar (East Rajasthan) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 11 February (Day 1): Dense to Very Dense Fog in isolated pockets very likely over Punjab, Haryana, Chandigarh & Delhi, East Uttar Pradesh and northwest Rajasthan and Dense Fog in isolated pockets over Bihar and Odisha. Thunderstorm accompanied with lightning in isolated pockets very likely over Arunachal Pradesh.
- 12 February (Day 2): Dense to Very Dense Fog in isolated pockets very likely over Punjab, Haryana, Chandigarh & Delhi, East Uttar Pradesh and northwest Rajasthan and Dense Fog in isolated pockets over Bihar.
- 13 February (Day 3): Dense Fog in isolated pockets very likely over Punjab, Haryana, Chandigarh & Delhi, and East Uttar Pradesh.
- 14 February (Day 4): No weather warning.
- 15 February (Day 5): No weather warning.
- The weather outlook for seven days i.e., 11 to 19 February 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)

West bengal

Weather condition:

Weather conditions during the 6th week at Mohanpur, West Bengal: Maximum temperature: 25.0 to 29.0 0C, Minimum temperature: 9.5 to 14.5 0C, bright sun shine hours: 4.6 to 9.6 hours, Morning-time relative Humidity: 86 to 91%, after noon-time R.H: 33 to 50%, weekly total pan evaporation: 15.6 mm, total weekly rainfall: 1.1 mm and average daily wind speed is 1.28 km/h.

Contingency measure:

- Mustard: For late sown crop, aphid infestation may be high. Apply 1.5 ml metasystox/ rogor per lit. of water to control the pest. Maintain proper drainage channel.
- Potato: Occurrence of late blight is being reported from many areas. Farmers are advised to keep close observation. As a control spray Blitox or Mancozeb @ 2.5g /liter of water at an interval of 5-7 days, thrice.
- Boro-rice: Apply first topdress in the early transplanted rice or at 24 days after transplanting or at the beginning of tillering stage at the rate of 15 kg urea per bigha. In case of zinc deficient soil apply zinc sulphate @ 4 kg per bigha at the time of first topdressing. At the time of topdressing, it is better to keep the field dry. After 48 hours of fertilizer application, apply irrigation to obtain better fertilizer use efficiency.
- Mango: Attack of mango hopper may be increased. Apply 2gm carbaril or 1.5 gm monocrotophos per lit. of water.

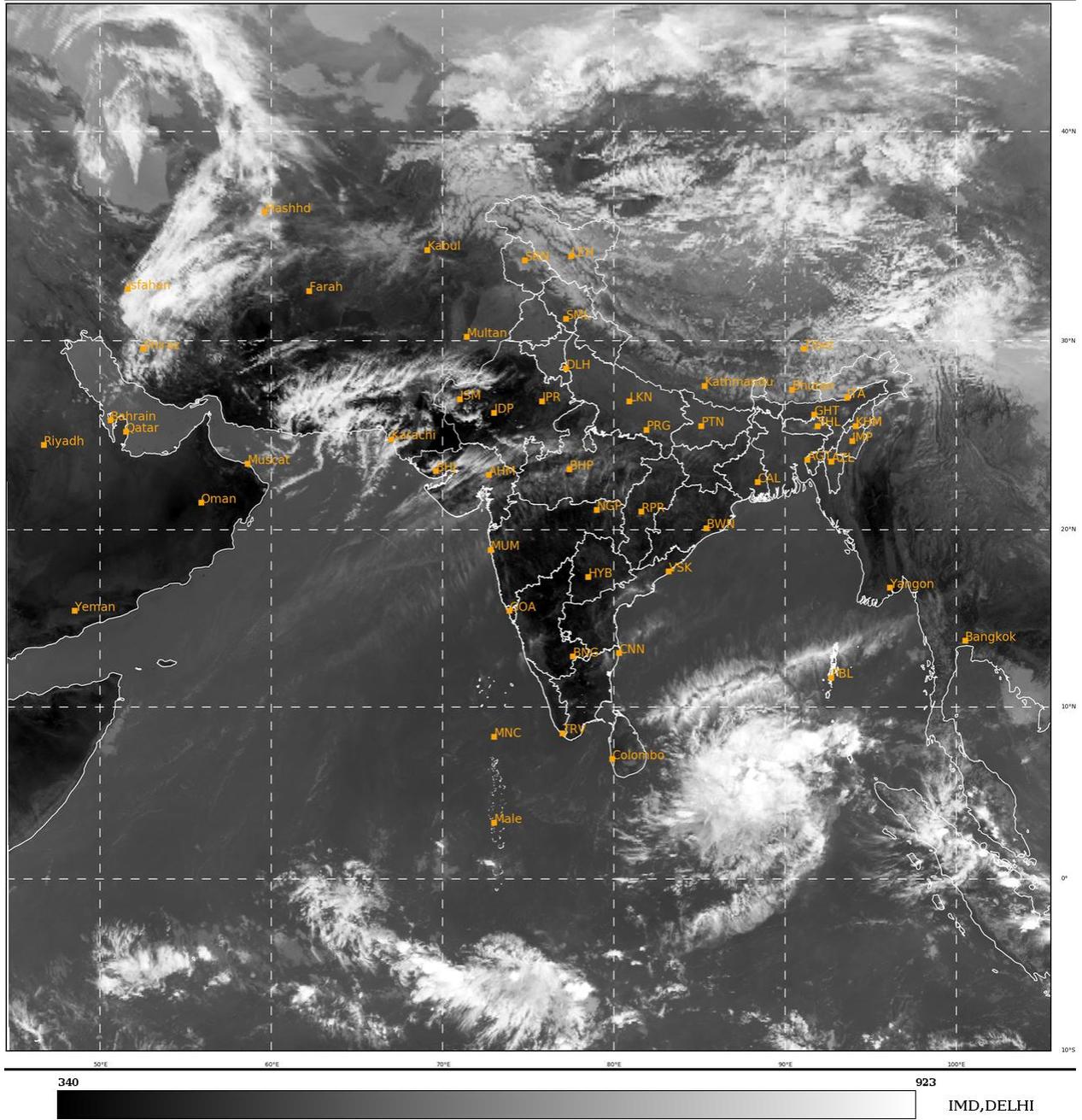


Figure: 1. Latest available satellite picture as on 11 February 2021 at 1357 Hrs (IST).
(Source: IMD).

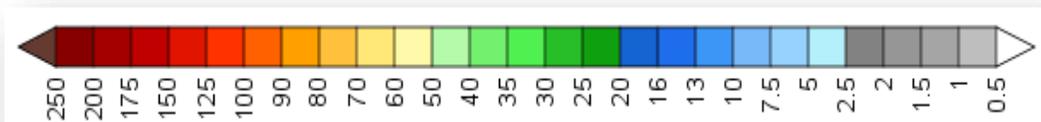
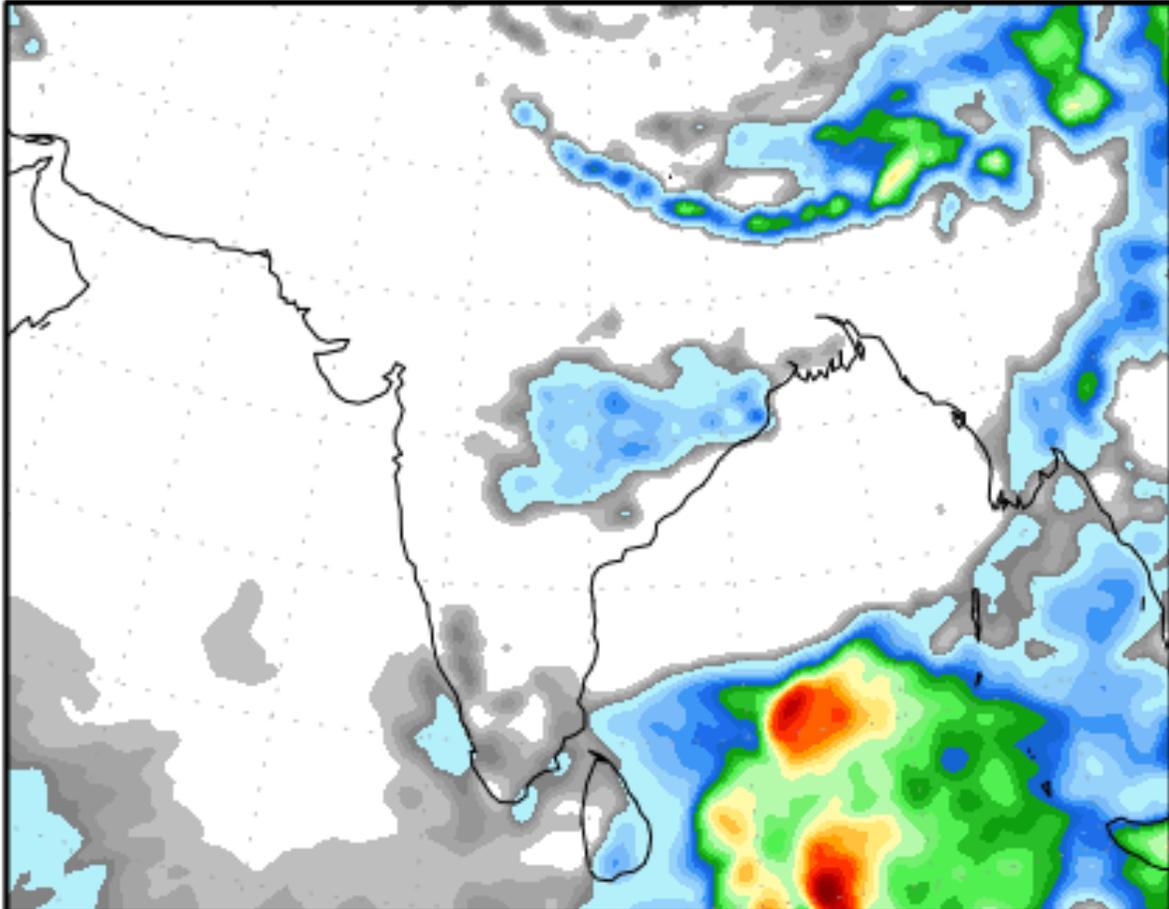


Figure:2. Precipitation forecast for 11 to 19 February 2021 (Source: NOAA NCEP).

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