

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 17 February 2021

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- There is a strong wind discontinuity in the lower levels over Central India with moisture inflow from Bay of Bengal. It is likely to move southwestward and persist upto 18th February, 2021. Under its influence:
 - i) Light to moderate rainfall at a few/many places with isolated thunderstorm, lightning & hail very likely over East Madhya Pradesh, Vidarbha and Chhattisgarh during next 24 hours.
 - ii) Light to moderate rainfall at a few places with isolated thunderstorm, lightning & hail very likely over Marathwada during 17th-18th February and over Madhya Maharashtra, Jharkhand and Telangana on 18th February.
- Under the influence of a feeble Western Disturbance isolated rainfall/snowfall very likely over Uttarakhand during 17th-18th February.
- Dense to Very Dense Fog in isolated/some pockets over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh in the morning hours of 18th & 19th February and reduction in intensity & spatial coverage thereafter.
- Warmer night temperatures are likely to continue over the plains of North India during next 4-5 days.
- 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 many places over East Madhya Pradesh, Chhattisgarh and Arunachal Pradesh; at a few places over Jharkhand and at isolated places over Himachal Pradesh, Uttarakhand, Uttar Pradesh, East Rajasthan, Vidarbha, West Madhya Pradesh, Assam & Meghalaya, West Bengal & Sikkim and Odisha.
- Thunderstorm recorded (from 0830 hours IST of yesterday to 0830 hours IST of today): at a few places over Chhattisgarh and at isolated places over Himachal Pradesh, Madhya Pradesh, Jharkhand, Vidarbha, Odisha and Assam & Meghalaya.

- Fog reported at 0830 hours IST of today: Very Dense Fog in many pockets over Punjab and in isolated pockets over West Rajasthan; Dense to Very Dense Fog in some pockets over Haryana and Moderate to Dense Fog in isolated pockets over Delhi and West Uttar Pradesh.
- Maximum Temperature Departures as on 16-02-2021: Maximum temperatures were markedly above normal (5.1°C or more) at many places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad; appreciably above normal (3.1°C to 5.0°C) at most places over West Rajasthan and Uttarakhand; at many Places over Himachal Pradesh; at a few places over Odisha; at isolated places over Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh; above normal (1.6°C to 3.0°C) at most places over Jharkhand and Assam & Meghalaya; at many places over Gangetic West Bengal and Nagaland, Manipur, Mizoram & Tripura; at a few places over Vidarbha and at isolated places over West Madhya Pradesh, Telangana and Gujarat region. They were below normal (-1.6°C to -3.0°C) at a few places over East Madhya Pradesh and Tamilnadu, Puducherry & Karaikal and at isolated places over Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Saurashtra & Kutch and Konkan & Goa and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 35.7°C was reported at Bhubaneshwar (Odisha) over the country.
- Minimum Temperature Departures as on 17-02-2021: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at a few places over Marathwada and Madhya Maharashtra; at isolated places over West Rajasthan, Andaman & Nicobar Islands and Saurashtra & Kutch; above normal (1.6°C to 3.0°C) at most places over Jharkhand; at many places over Bihar; at a few places over East Rajasthan, Madhya Pradesh, Vidarbha and West Bengal & Sikkim and at isolated places over East Uttar Pradesh, Gujarat Region, Kerala & Mahe, Konkan & Goa and Tamilnadu, Puducherry & Karaikal. They are appreciably below normal (-3.1°C to -5.0°C) at isolated places over South Interior Karnataka; below normal (-1.6°C to -3.0°C) at many places over Rayalaseema; at a few places over Coastal Andhra Pradesh and at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Telangana and near normal over rest parts of the country. The lowest minimum temperature of 8.5°C reported at Ambala (Haryana), Sikar (East Rajasthan) & Dehri (Bihar) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 17 February (Day 1): Dense to Very Dense Fog very likely in some pockets over Punjab and Haryana, Chandigarh & Delhi and Dense Fog in isolated pockets over West Uttar Pradesh and West Rajasthan. Thunderstorm accompanied with

lightning & hail very likely in isolated places over East Madhya Pradesh, Vidarbha, Chhattisgarh and Marathwada and with lightning in isolated places over Uttarakhand, East Uttar Pradesh, West Madhya Pradesh, Jharkhand, Odisha, Gangetic West Bengal, Arunachal Pradesh, Assam & Meghalaya, Madhya Maharashtra and Telangana.

- 18 February (Day 2): Dense Fog very likely in isolated pockets over Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh. Thunderstorm accompanied with lightning & hail very likely in isolated places over Jharkhand, Madhya Maharashtra, Marathwada and Telangana and with lightning in isolated places over Uttarakhand, East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Gangetic West Bengal & Sikkim, Odisha, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya and Interior Karnataka.
- 19 February (Day 3): Thunderstorm accompanied with lightning very likely in isolated places over Jharkhand, Vidarbha, Chhattisgarh, Madhya Maharashtra, Marathawada and North Interior Karnataka.
- 20 February (Day 4): Thunderstorm accompanied with lightning likely in isolated places over Coastal Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal.
- 21 February (Day 5): Thunderstorm accompanied with lightning likely in isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Tamilnadu, Puducherry & Karaikal.
- The weather outlook for seven days i.e., 17 to 25 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:

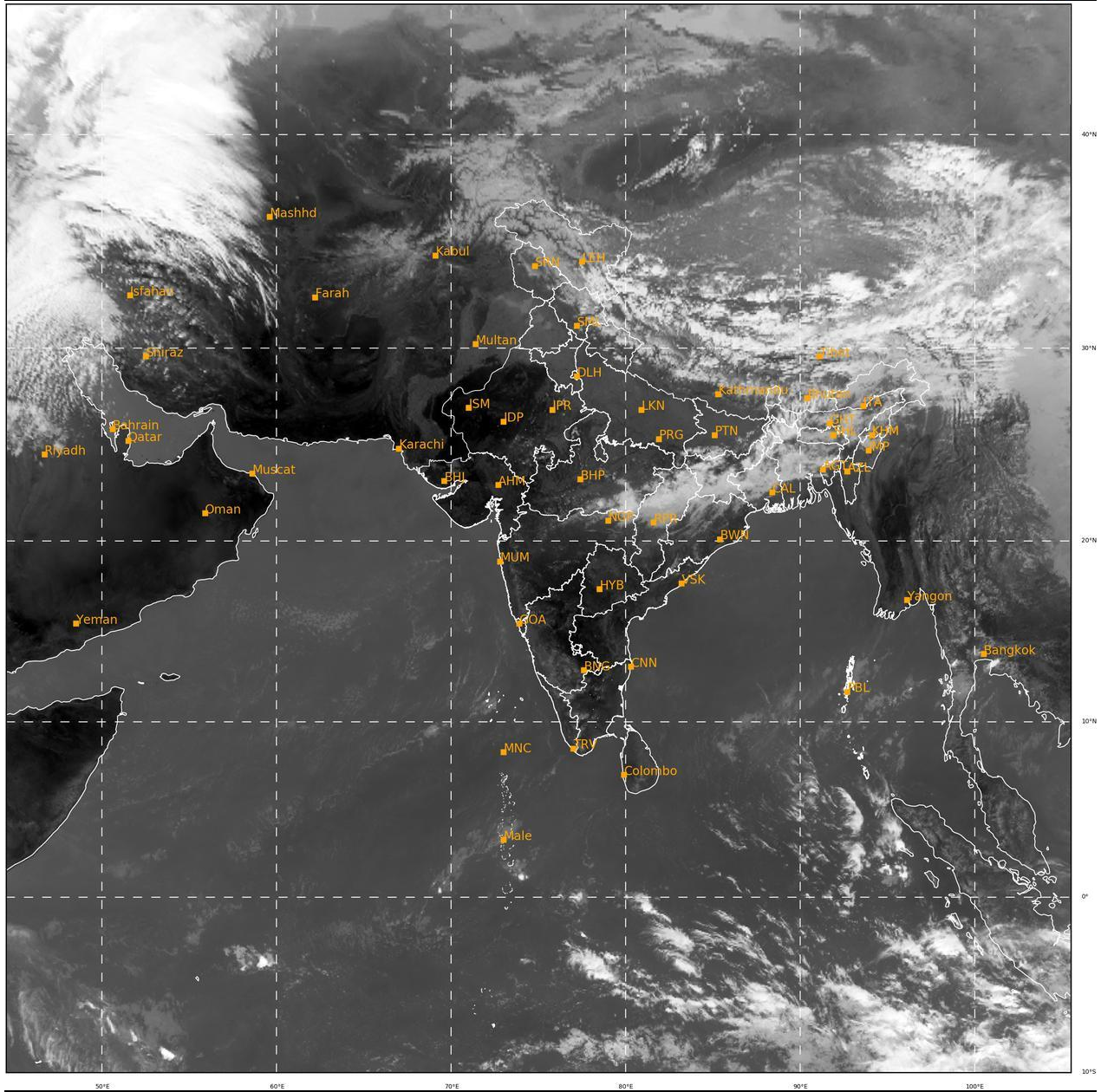
- Mustard: For late sown crop, aphid infestation may be high. Apply 1.5 ml metasystox/ rogor per lit. of water to control the pest. Maintain proper

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.

SAT : INSAT-3D IMG
IMG_TIR1 10.8 um
LIC Mercator

17-02-2021/(0800 to 0827) GMT
17-02-2021/(1330 to 1357) IST



369

924

IMD, DELHI

Figure: 1. Latest available satellite picture as on 17 February 2021 at 1357 Hrs (IST).
(Source: IMD).

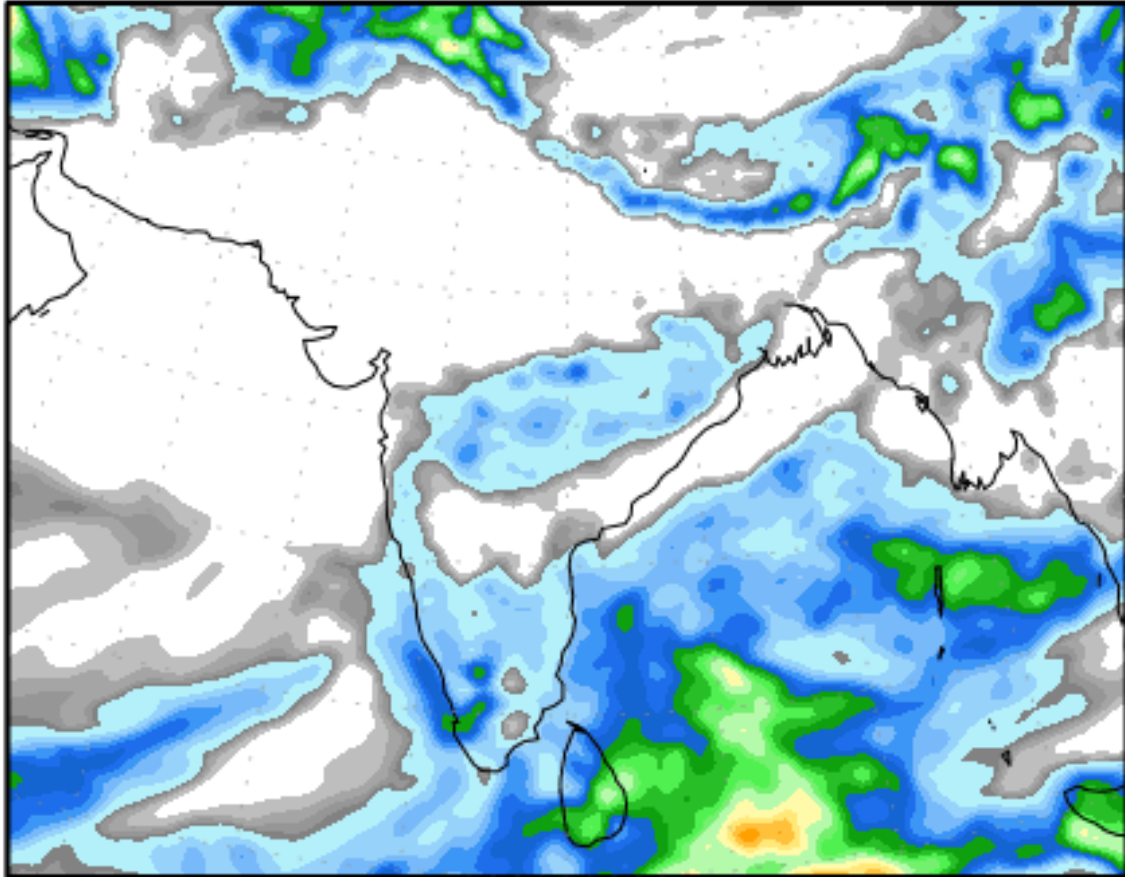


Figure:2. Precipitation forecast for 17 to 25 February 2021 (Source: NOAA NCEP).

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.