

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 10 February 2021

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The Western Disturbance as a cyclonic circulation now lies over Jammu & neighbourhood between 3.1 km & 5.8 km above mean sea level with the trough aloft in upper tropospheric westerlies with its axis at 7.6 km above mean sea level roughly along longitude 75°E to the north of latitude 30°N. Under its influence, isolated rainfall/snowfall very likely over northern parts of Uttarakhand on 10th February, 2021.
- Dense to Very Dense Fog in isolated pockets very likely over Punjab and Haryana, Chandigarh & Delhi in the morning hours of 11th&12th; Dense Fog in isolated pockets over the same area during subsequent 2 days and over Uttar Pradesh in the morning hours of 11th & 12th and Uttarakhand and north Rajasthan in the morning hours of 11th 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 Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Himachal Pradesh.
- Fog observed (at 0830 hours IST of today): Dense to Very Dense Fog in many pockets over Punjab; in isolated pockets over Haryana, Chandigarh & Delhi and West Rajasthan and Moderate fog in isolated pockets over Himachal Pradesh.
- Maximum Temperature Departures as on 09-02-2021: Maximum temperatures were markedly above normal (5.1°C or more) at many 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, Konkan & Goa and Coastal Karnataka; at a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Sub-Himalayan West Bengal & Sikkim; at isolated places over Haryana, Chandigarh & Delhi, West Madhya Pradesh and Saurashtra & Kutch; above normal (1.6°C to 3.0°C) at many places over Gujarat Region; at a few places over East Madhya Pradesh,

Jharkhand, Nagaland, Manipur, Mizoram & Tripura and at isolated places over Punjab, West Uttar Pradesh, Vidarbha, Odisha, Gangetic West Bengal, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal. They were appreciably below normal (-3.1°C to -5.0°C) at isolated places over Andaman & Nicobar Islands; below normal (-1.6°C to -3.0°C) at many places over Interior Karnataka; at isolated places over Telangana and Rayalseema and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 37.2°C was reported at Karwar (Coastal Karnataka) over the country.

- Minimum Temperature Departures as on 10-02-2021: Minimum temperatures are above normal (1.6°C to 3.0°C) at many places over Uttarakhand; at a few places over Haryana, Chandigarh & Delhi; at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Rajasthan. They are appreciably below normal (-3.1°C to -5.0°C) at many places over Odisha, Vidarbha, Rayalseema and Telangana; at a few places over Madhya Maharashtra, Interior Karnataka and Tamil Nadu, Puducherry & Karaikal; at isolated places over West Bengal & Sikkim and Madhya Pradesh; below normal (-1.6°C to -3.0°C) at most places over Chhattisgarh; at many places over Jharkhand, Marathwada and Kerala & Mahe; at a few places over Coastal Andhra Pradesh & Yanam; at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Bihar, East Uttar Pradesh and Saurashtra & Kutch and near normal over rest parts of the country. The lowest minimum temperature of 7.2°C reported at Malanjkhanda (East Madhya Pradesh) over the plains of the country

Weather Warning during the next 5 days (IMD)

- 10 February (Day 1): Dense to Very Dense Fog in isolated pockets very likely over Punjab and Haryana, Chandigarh & Delhi and Dense Fog in isolated pockets over Uttarakhand, Uttar Pradesh and north Rajasthan. Strong Winds (speed reaching 45-55 kmph) very likely over Gulf of Mannar and Comorin area. Fishermen are advised not to venture into these areas.
- 11 February (Day 2): Dense to Very Dense Fog in isolated pockets very likely over Punjab and Haryana, Chandigarh & Delhi and Dense Fog in isolated pockets over Uttar Pradesh.
- 12 February (Day 3): Dense Fog in isolated pockets very likely over Punjab and Haryana, Chandigarh & Delhi.
- 13 February (Day 4): Dense Fog in isolated pockets likely over Punjab and Haryana, Chandigarh & Delhi.
- 14 February (Day 5): No weather warning.

- The weather outlook for seven days i.e., 10 to 18 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)

Western U.P

Weather condition:

Cloudy weather appearing from 4- 6 February 2021 and 2.0 mm rainfall forecast only 6 February, 2021. Maximum and minimum temperature may be expected 3.0 ? 4.0 0C higher to its normal temperature. Whereas wind velocity may be expected 7.0 -13.0 kmph prevailing NE/ NW which may be 3 to 4 kmph above the normal during coming days as per forecast.

Contingency measure:

- Wheat:Only 2.0 mm rainfall forecast on 6 February farmers are advised to irrigate wheat crop as per need, top dress remaining dose of urea at optimum moisture during PI stage. For control of grassy leaved weed spray Clodinafop-propargyl 15% WP @ 400 g/ha, grassy and broad leaved weed spray Sulfosulphuron 75% wp @ 33g/ha with 500-600 lt of water. Sulfosulphuron 75% wp @ 33g/ha + metsulfuron methyl 20% wp@ 4 g/ha with 300 lt of water solution is to be applied for control of mixed weed flora in late sown wheat crop after first irrigation at optimum moisture.
- Barley :Top dress urea at optimum moisture during PI stage.
- Rabi maize:Top dress urea at optimum moisture during knee height at proper moisture available in soil.
- Pigeon pea: Watchful for insect and pest. Pea Vegetative/ flowering Appear root rot/ Powdery mildew disease due to high soil and air moistur, spray Mancozeb @ 2.0kg or Copper oxichloride 50% WP @ 3.0 kg with 500 to 600 lt. water solution.
- Gram:If seen pad borer spray Fenvelret 20% EC @2.0 lt. or Novaluron 10% EC @ 750 ml / ha with 500 to 600 lt. water solution .
- Lentil:If seen Aphid, spray Imidacloprid 17.8%S L@ 300ml./ha with 500 to 600 lt. water solution .
- Mustard:If seen Aphid, spray Imidacloprid 17.8%S L@ 300ml./ha with 500 to 600 lt. water solution .
- Linseed :Watchful insect and pest due to cloudy weather.
- Brinjal / Chilies: Pick up mature fruits in standing crop. Watchful insect and

pest.

- Leafy Vegetable: Cutting , marketing ,watchful insect and pest.
- Potato: Dig out early sown crop. Take precaution from late blight, spray Copper oxichloride 3.0 kg/ha with 700-800 lt. water solution or 2.0 g /lt water Mancozeb.
- Barseem : Second cutting should be taken up and top dressing of 20 kg urea at optimum moisture.
- Animal : Balanced diet should be given for milch animal. Paddy straw or ash as litter in animal houses to be used to protect cow/ buffalo calf from the cold and rain. The routine immunization of animals is to be done as per the advice of Veterinary doctor .

SAT : INSAT-3D IMG
 IMG_TIR1 10.8 um
 L1C Mercator

10-02-2021/(0800 to 0827) GMT
 10-02-2021/(1330 to 1357) IST

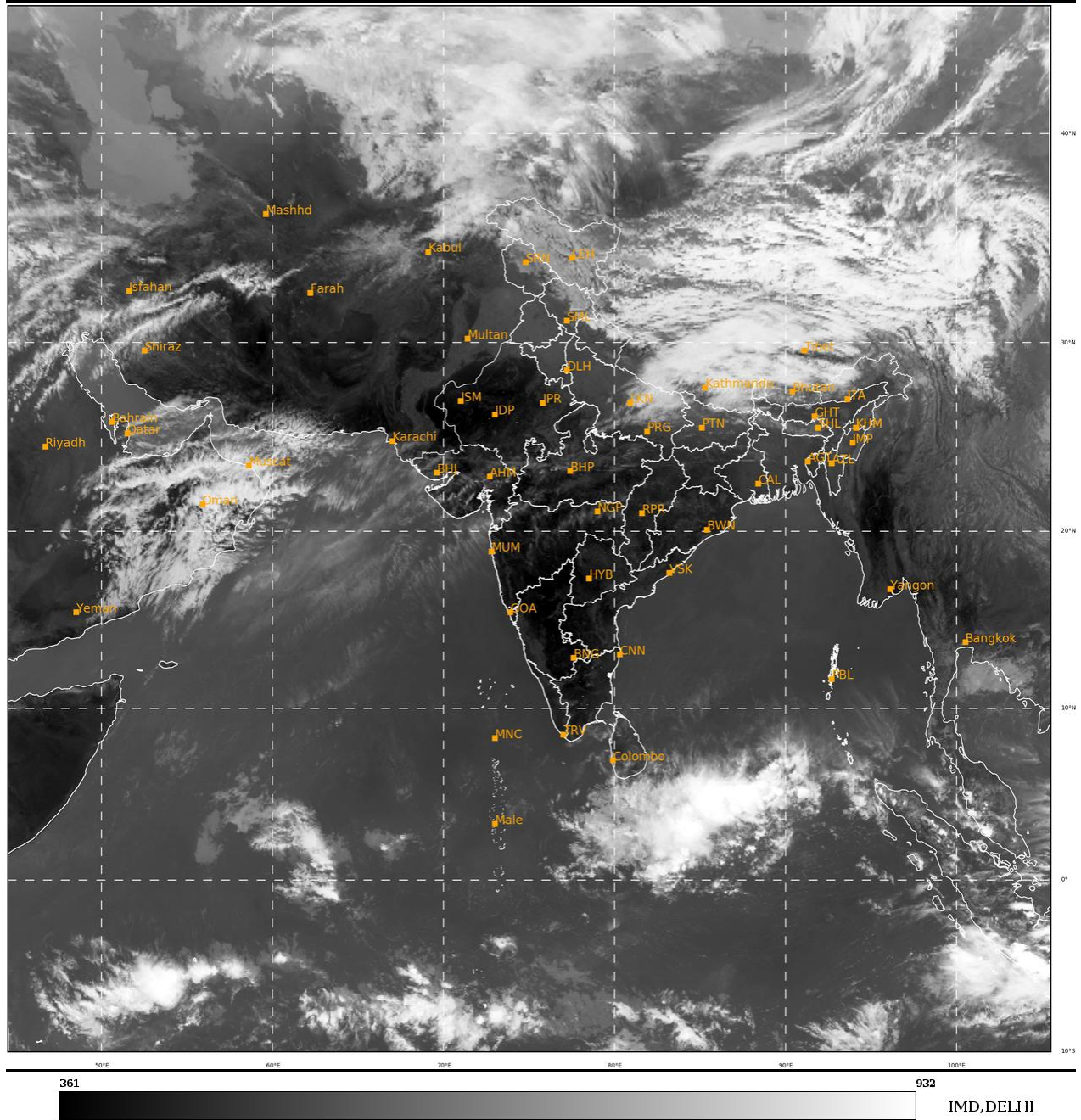


Figure: 1. Latest available satellite picture as on 10 February 2021 at 1357 Hrs (IST). (Source: IMD).

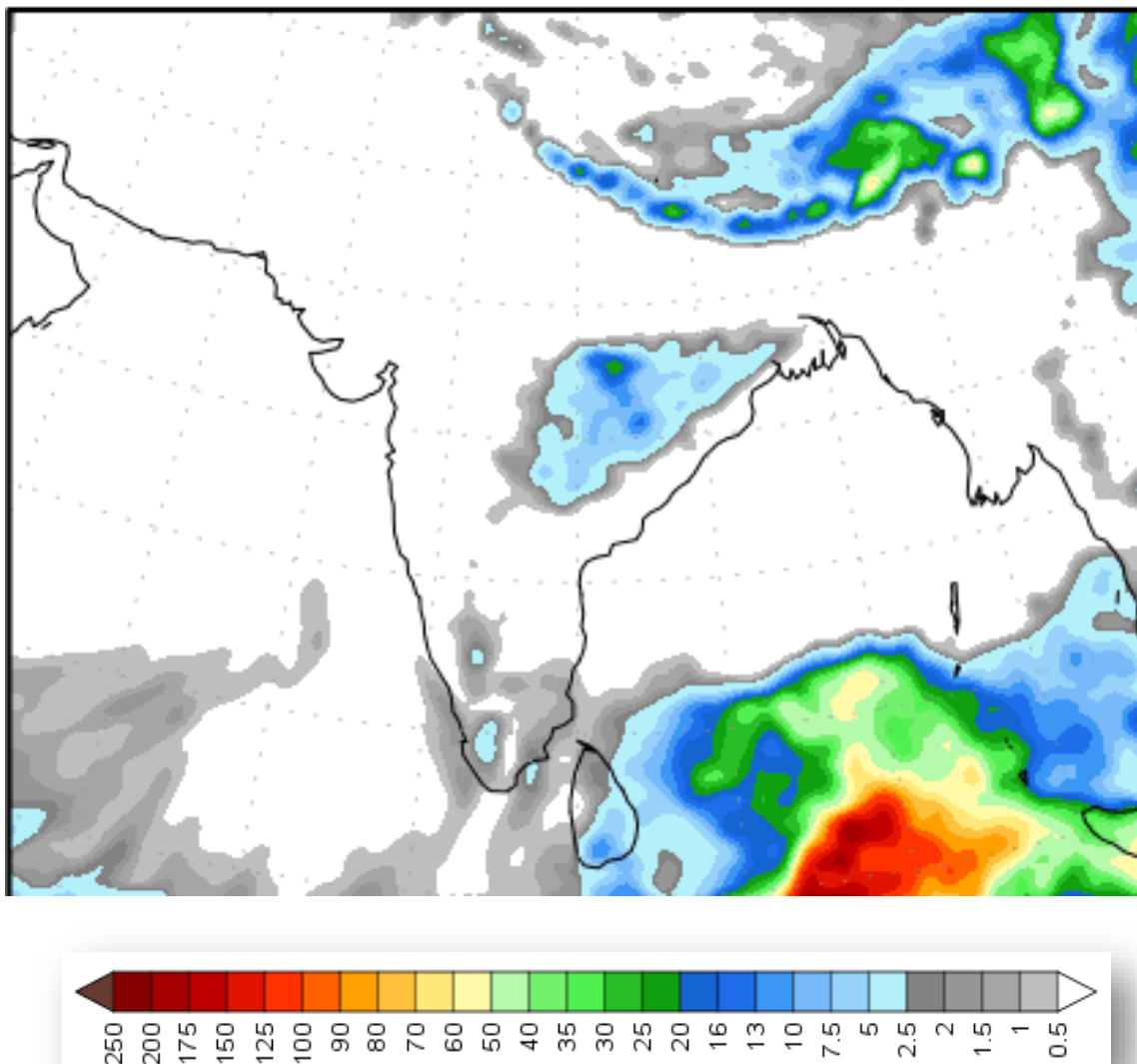


Figure:2. Precipitation forecast for 10 to 18 February 2021 (Source: NOAA NCEP).

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