

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 11 February 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- A fresh western disturbance and its interaction with tropical easterlies is likely during 13th-15th February. This is likely to result in scattered to widespread rain/snow over Western Himalayan region with hailstorms during 13th-15th February and isolated heavy rain/snow on 14th & 15th Feb.
- Scattered to fairly widespread rain/thundershowers and isolated hailstorms are also likely over plains of northwest India and central India during 13th-15th February with heavy falls at isolated places over Punjab and northern parts of Haryana & Chandigarh on 14th Feb. The rainfall activity is likely to shift towards eastern India from 15th Feb.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rain/thundershowers observed (from 0830 hrs IST of yesterday to 0830 hrs IST of today): Rain/snow observed at isolated places over Jammu & Kashmir. Rain/thundershowers observed at a few places over South Interior Karnataka; at isolated places over Arunachal Pradesh, Assam & Meghalaya, Kerala coastal Andhra Pradesh, Rayalaseema and Tamilnadu.
- Cold wave conditions observed at isolated pockets over East Rajasthan, Madhya Pradesh, Chhattisgarh, Vidarbha, Odisha and Gangetic West Bengal. Yesterday, Cold day conditions observed in isolated pockets over Madhya Pradesh.
- Dense fog observed at isolated places over Uttarakhand; Moderate fog at isolated places over Assam & Meghalaya, Punjab, Delhi, Uttar Pradesh and Bihar at 0830 hours IST of today. Visibility: Pantnagar-50 M; Ludhiana, Palam, Safdarjung, Bareilly, Aligarh, Fursatganj, Sabaur, Dhubri, Majbat and Haflong-500 M each.
- Maximum temperature departures as on 10.02.2019: Maximum temperatures were above normal (1.6°C to 3.0°C) at most places over Konkan & Goa, Tamilnadu & Puducherry and Andaman & Nicobar Islands; at many places over Kerala; at a few

places over Assam & Meghalaya and Coastal Andhra Pradesh. They were appreciably below normal (-3.1°C to -5.0°C) at most places Haryana, Chandigarh & Delhi, East Rajasthan and Madhya Pradesh; at a few places over Bihar and Vidarbha; at isolated places over Sub-Himalayan West Bengal & Sikkim and Gujarat region and below normal (-1.6°C to -3.0°C) at most places over East Uttar Pradesh; at many places over Jammu & Kashmir, Himachal Pradesh and Saurashtra & Kutch; at a few places over West Rajasthan and Marathwada and near normal over rest parts of the country.

- Yesterday, the highest maximum temperatures of 35.6°C recorded at Salem (Tamilnadu) over the country.
- Minimum temperature departures as on 11.02.2019: Minimum temperatures are markedly below normal (-5.1°C or less) at a few places over Vidarbha; at isolated places over Rajasthan, Madhya Pradesh, Odisha and Gujarat; appreciably below normal (-3.1°C to -5.0°C) at a few places over Haryana, Chandigarh & Delhi, East Uttar Pradesh, Bihar, Jharkhand and Chhattisgarh; at isolated places over Himachal Pradesh, Konkan & Goa, Madhya Maharashtra and Marathawada and below normal (-1.6°C to -3.0°C) at a few places over Assam & Meghalaya, Nagaland, Mizoram, Manipur & Tripura and Coastal Karnataka. They are appreciably above normal (3.1°C to 5.0°C) at many places over Rayalaseema; at a few places over Coastal Andhra Pradesh and Tamilnadu & Puducherry; at isolated places over North Interior Karnataka; above normal (1.6°C to 3.0°C) at most places over Uttarakhand; at a few places over Telangana, South Interior Karnataka and Kerala; at isolated places over Jammu & Kashmir, West Bengal & Sikkim, Lakshadweep and Andaman & Nicobar islands and near normal over rest parts of the country.
- The lowest minimum temperature of 3.6°C recorded at Khajuraho (East Madhya Pradesh) over the plains of the country.

Weather Warning during next 5 days (IMD)

- 11 February (Day 1): No weather warning.
- 12 February (Day 2): No weather warning.
- 13 February (Day 3): Thunderstorm accompanied with hailstorm and gusty winds at isolated places very likely over Jammu & Kashmir, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, north Rajasthan and West Madhya Pradesh.
- 14 February (Day 4): Heavy rain/snow at isolated places very likely over Jammu & Kashmir and Himachal Pradesh. Heavy rain at isolated places very likely over Punjab and Haryana & Chandigarh. Thunderstorm accompanied with hailstorm and

gusty winds at isolated places likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, north Rajasthan, Madhya Pradesh and Vidarbha.

- 15 February (Day 5): Thunderstorm accompanied with hailstorm and gusty winds at isolated places likely over Uttarakhand, East Uttar Pradesh, East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, Odisha and Telangana.
- The weather outlook for the period of seven days *i.e* 11 to 18 February 2019 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Jammu & Kashmir, South Interior, coastal Andhra Pradesh, Rayalaseema Karnataka, Kerala Tamilnadu and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Haryana

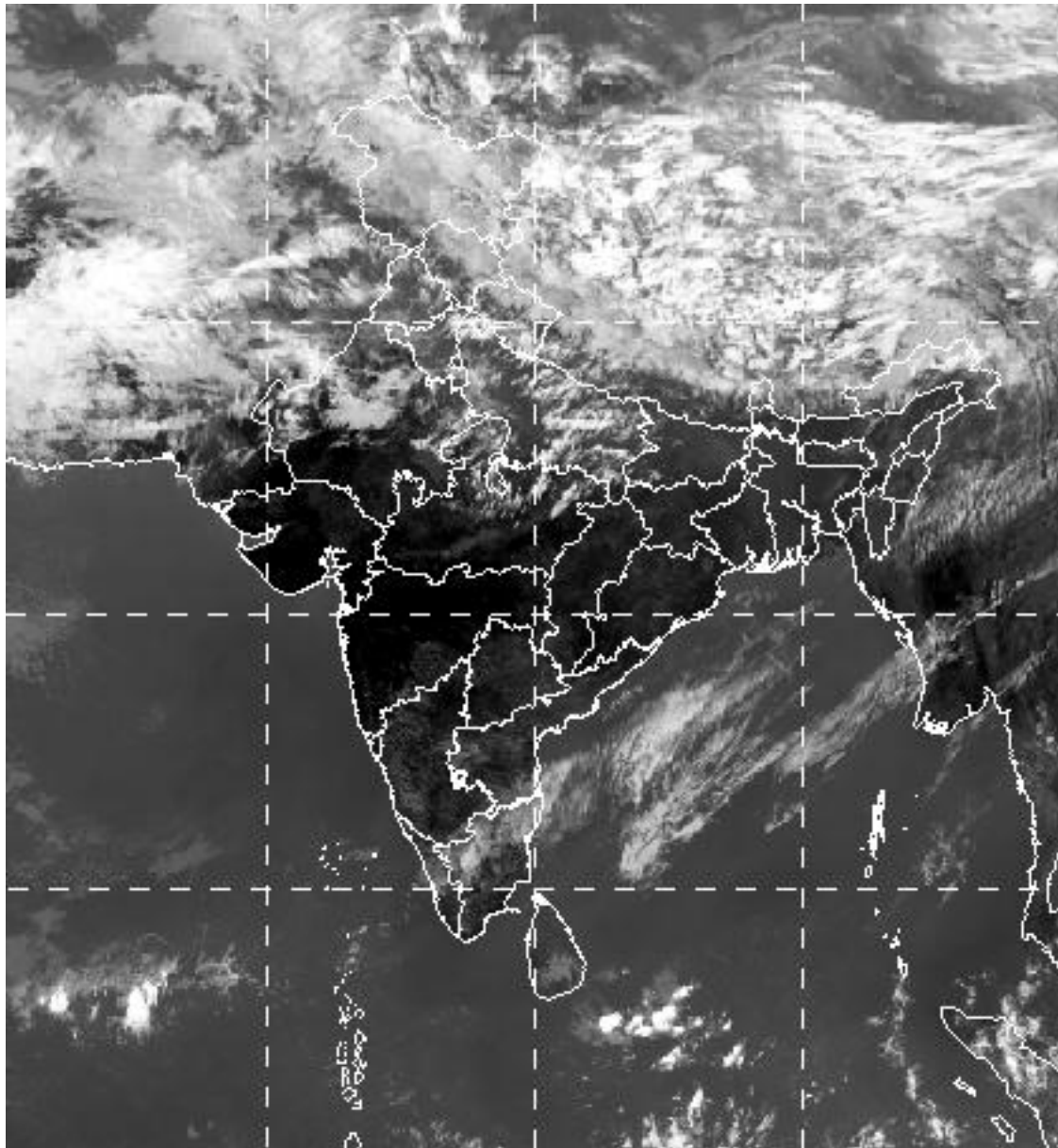
Weather condition:

Dry weather prevailed in Haryana state during past few days. Maximum temperature was recorded below the normal and minimum temperature was recorded above the normal.

Contingency measure:

- Wheat: Possibility to dry weather farmers are advised for apply irrigation and spray of weedicides/fungicide/others as per recommendation. Due to high humidity may be chance to appearance of yellow rust disease, regular monitoring is advisable, if symptom observed then application of 200 ml Tilt 25% EC (Propiconazole 25% EC) in 200 liter water per acre spray. Farmers are advised to monitoring the termite infestation, if observed then spray 2 liter Chlorpyrifos 20 EC in 2 liter water and mixed with 20 kg sand and then broadcast in one acre land and apply irrigation.
- Mustard: Due to high humidity level in the environment may be chance to attack of Alternaria blight/powdery mildew in Mustard crop, if observe, then spray 600 gram Mancozeb/Indophil M 45 in 300 liter water per acre. Farmers are advised to monitoring aphid, if infested observed then plug the stem at initial level.
- Gram: Possibility of dry weather may be chances to infestation of gram pod borer farmers are advised to constant monitoring.

- Vegetables: Possibility of dry weather days farmers are advised to apply light irrigation to vegetable crops and young fruit plants as per requirement.
- Farmers are advised to constant monitoring of late potato and tomato crops against attack of late blight. If it occur than recommended spray by University.
- Livestock: Keep the animals under sheds during night hours. To provide each cattle/animal 50 grams iodized salt and 50 to 100 grams mineral mixture daily with feed & green fodder/Berseem to keep them healthy.



**Figure: 1. Latest available satellite picture as on 11 February 2019 at 0230 Hrs (IST).
(Source: IMD).**

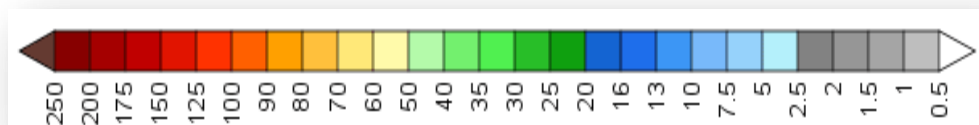
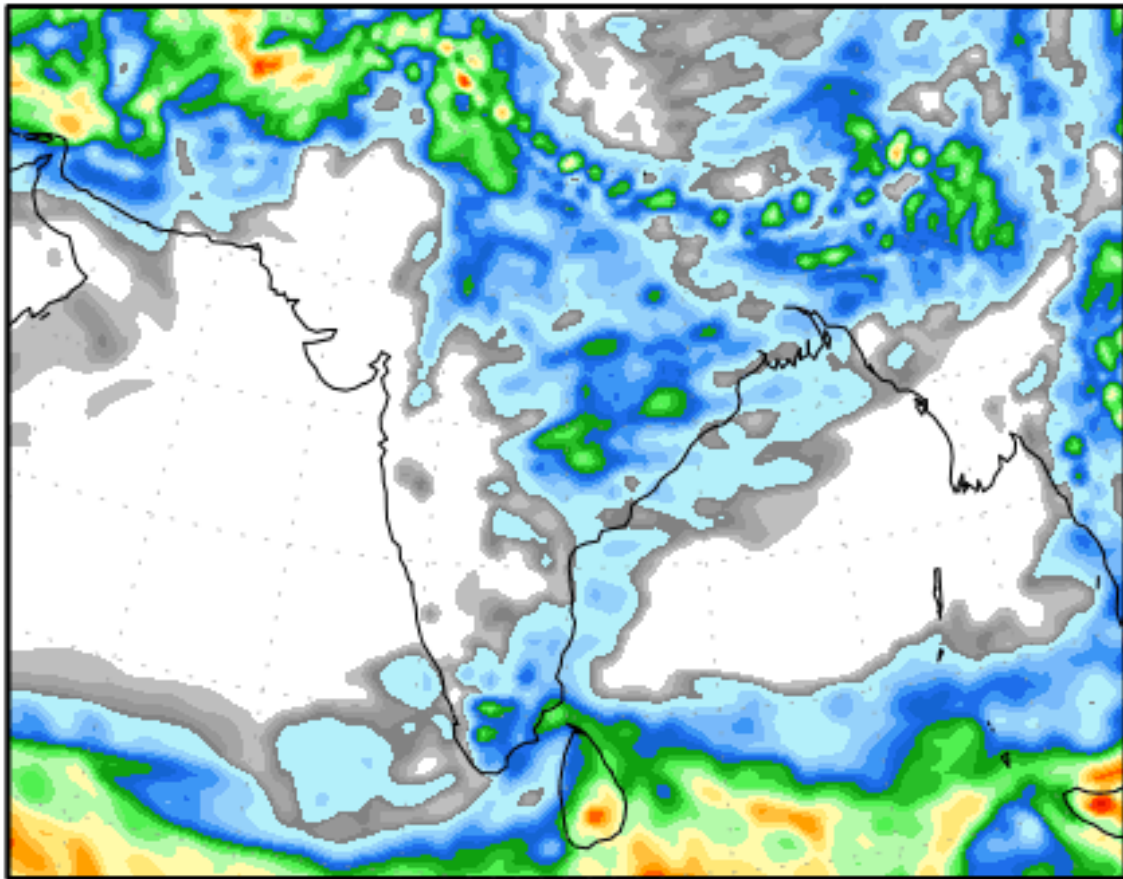


Figure: 2. Precipitation forecast for 11 to 18 February 2019 (Source: NOAA NCEP).