

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 08 March 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Wind confluence in the lower levels and strong westerly winds are prevailing in the upper levels over central parts of India. Under this scenario, Rain/Thundershowers are very likely at isolated places over Madhya Pradesh and adjoining areas during next 2-3 days and over eastern India on 11th & 12th March.
- Thunderstorm occurred at isolated places over Madhya Pradesh from 0530 hours IST to 0830 hours IST of today.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall recorded (from 0830 hours IST of yesterday to 0830 hours IST of today): Light rain occurred at isolated places over Madhya Pradesh.
- Maximum temperature departures as on 07.03.2018: Maximum temperatures were markedly above normal (5.1°C or more) at many places over Jammu & Kashmir; at isolated places over Himachal Pradesh and Saurashtra & Kutch; appreciably above normal (3.1°C to 5.0°C) at many places over Uttarakhand; at a few places over Punjab & West Rajasthan; at isolated places over Konkan & Goa, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Arunachal Pradesh; above normal (1.6°C to 3.0°C) at many places over Gujarat region; at a few places over Haryana, Chandigarh & Delhi, Gangetic West Bengal, Chhattisgarh, East Madhya Pradesh, Odisha and South Interior Karnataka; at isolated places over East Rajasthan, West Uttar Pradesh, Telangana, Kerala and Tamilnadu & Puducherry. They were below normal (1.6°C to 3.0°C) at a few places over West Madhya Pradesh and near normal over rest parts of the country.
- Yesterday, the highest maximum temperature of 38.6°C was recorded at Akola (Vidharbha) over the country.
- Minimum temperature departures as on 08.03.2018: Minimum temperatures are appreciably below normal (3.1°C to 5.0°C) at a few places over Bihar, South Interior Karnataka and Rayalaseema; at isolated places over Gangetic West Bengal and north Tamilnadu & Puducherry; below normal (1.6°C to 3.0°C) at many places over south Coastal Andhra

Pradesh; at a few places over North Interior Karnataka and Nagaland, Manipur, Mizoram & Tripura; at isolated places over Haryana, Chandigarh & Delhi, Uttar Pradesh and Assam & Meghalaya. They are markedly above normal (5.1°C or more) at isolated places over Gujarat region, West Madhya Pradesh and Vidarbha; appreciably above normal (3.1°C to 5.0°C) at a few places over Saurashtra & Kutch; at isolated places over West Rajasthan, East Madhya Pradesh, Madhya Maharashtra and Andaman & Nicobar Islands; above normal (1.6°C to 3.0°C) at most places over Marathwada; at a few places over Jammu & Kashmir and Kerala; at isolated places over Himachal Pradesh, Uttarakhand & Lakshadweep and near normal over rest parts of the country.

- The lowest minimum temperature of 9.4°C recorded at Karnal (Haryana) in the plains of the country.

Weather Warning during next 5 days (IMD)

- 08 March (Day 1): No weather warning.
- 09 March (Day 2): No weather warning.
- 10 March (Day 3): No weather warning.
- 11 March (Day 3): No weather warning.
- 12 March (Day 5): Thunderstorm accompanied with gusty winds likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- The weather outlook for the period of seven days *i.e* 08 March to 16 March 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Madhya Pradesh and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Haryana

Weather condition

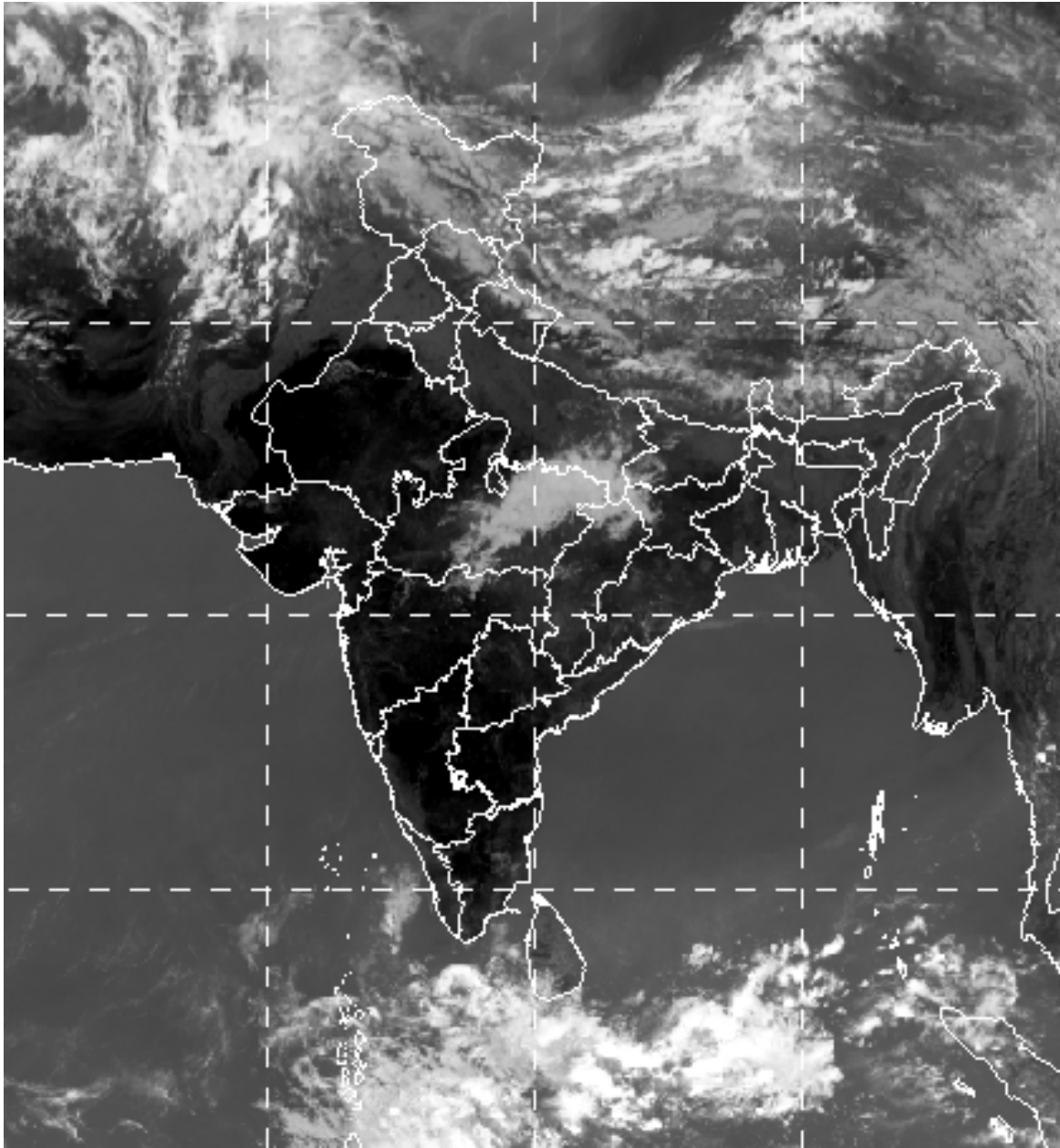
Moderate fog during morning, dry and cloudy weather observed in Haryana state during past few days. Maximum and minimum temperatures were above the normal.

Contingency measure:

- General Advisory: Dry weather may prevalent during the period. Farmers are advised to apply need based irrigation in existing crops.
- Barley (jau) & wheat (gehon): Possibility to dry and variable weather farmers are advised to spray of weedicides/fungicide/others as per recommendation, if weather remains clear. 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, if weather remains clear. 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.

- Berseem (egyptian clover): Due to possibility of dry weather farmers are advised to apply light irrigation in Berseem and cut the crop for fodder to feed livestock.
- Indian rapeseed and mustard (yellow sarson): Due to prevailed high humidity level may be 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 when weather remains clear. In the view of anticipated the weather farmers are advised to monitoring aphid, if infestation are observed then plug the stem at initial level.
- Horticulture: Possibility of dry and variable weather days farmers are advised to apply light irrigation to vegetable crops and young fruit plants as per requirement. Due to variable weather condition, 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, if weather remains clear.
- Animals: Keep the animals under sheds during night hours for protection from cold. Provide 50 grams iodized salt and 50 to 100 grams mineral mixture daily with animal feed/fodder to keep them healthy.



**Figure: 1. Latest available satellite picture as on 08 March 2018 at 0230 Hrs (IST).
(Source: IMD).**

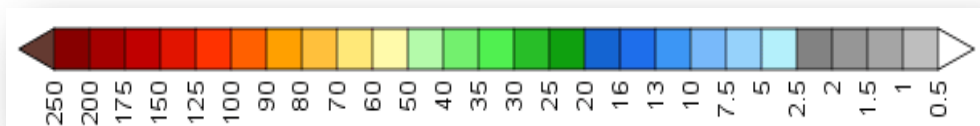
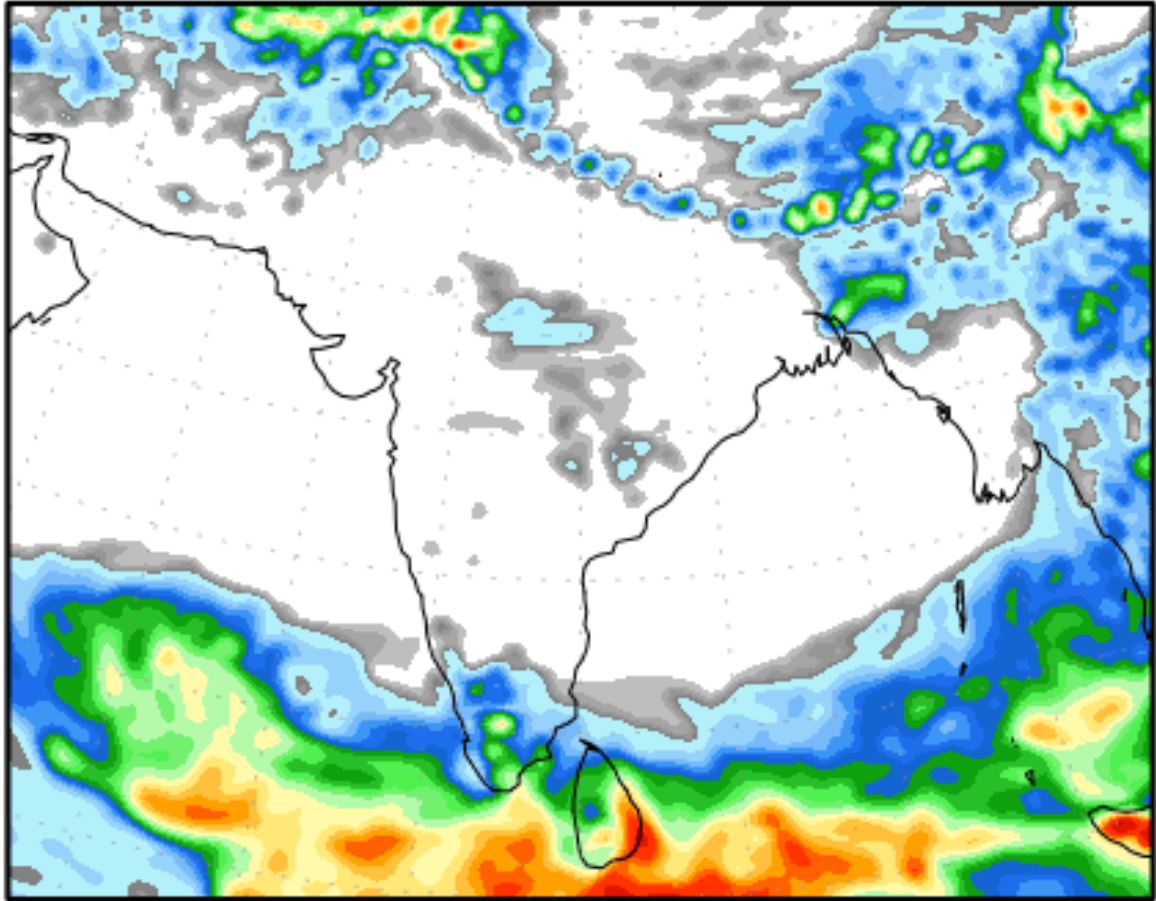


Figure: 2. Precipitation forecast for 08 March to 16 March 2018 (Source: NOAA NCEP).