

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 06 March 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Scattered to fairly widespread rainfall with isolated thunderstorm with gusty winds and lightning are likely to continue over northeastern states (Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura) during next 24 hours. The activity is likely to decrease subsequently.
- Under the influence of a fresh western disturbance scattered rain/snow with isolated thunderstorm/hailstorms are likely over western Himalayan region on 8th March. Subsequently another western disturbance is likely to enhance the rainfall activity over western Himalayan region and adjoining areas of Punjab, Haryana and Uttar Pradesh from 11th March.
- Yesterday, Nellore (coastal Andhra Pradesh) reported maximum temperature/departure (39.1°C/+5.4°C); Tirupathi (Rayalaseema) reported maximum temperature/departure (40.4°C/+5.4°C) and Tiruttani (Tamilnadu) reported maximum temperature/departure (40.1°C/+5.7°C). Heat wave conditions at isolated pockets are likely to continue over Rayalaseema on 6th March, over Tamilnadu on 6th & 7th March and over Coastal Andhra Pradesh during 6th - 8th March. The temperature are likely to fall by 2-3 °C over these regions subsequently.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rain/snow observed (from 0830 hours IST of yesterday to 0830 hrs IST of today) at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Assam & Meghalaya, Arunachal Pradesh; at a few places over Nagaland, Manipur, Mizoram & Tripura, West Bengal & Sikkim and at isolated places over north Odisha.
- Moderate fog occurred at isolated places over Assam & Meghalaya and Gangetic West Bengal at 0830 hour IST of today. Visibility : Majbat and Kolkata (Dum Dum) - 500 M each.

- Maximum temperature departures as on 05.03.2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Rayalaseema & Tamilnadu & Puducherry and at isolated places over coastal Andhra Pradesh; above normal (1.6°C to 3.0°C) at isolated places over Jammu & Kashmir, south interior Karnataka, Kerala and Tamilnadu. They were appreciably below normal (-3.1°C to -5.0°C) at many places over Haryana, Chandigarh & Delhi and East Rajasthan; at a few places over West Uttar Pradesh, West Madhya Pradesh and Gujarat region; at isolated places over West Rajasthan, Saurashtra & Kutch, Gangetic West Bengal and Assam & Meghalaya below normal (-1.6°C to -3.0°C) at a few places over East Uttar Pradesh, Punjab, East Madhya Pradesh, West Bengal & Sikkim and Madhya Maharashtra; at isolated places over West Uttar Pradesh, Rajasthan, Gujarat state, Vidarbha and Konkan & Goa and near normal over rest parts of the country.
- Yesterday, the highest maximum temperature of 40.4°C recorded at Tirupathi (Rayalaseema) over the country.
- Minimum temperature departures as on 06-03-2019: Minimum temperatures are markedly above normal (5.1°C or more) at isolated places over Rayalaseema and north Tamilnadu & Puducherry; appreciably above normal (3.1°C to 5.0°C) at most places over Coastal Andhra Pradesh; at a few places over rest Tamilnadu & Puducherry; above normal (1.6°C to 3.0°C) at most places over Jharkhand; at many places over Odisha; at a few places over Bihar; at isolated places over Saurashtra & Kutch; West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Kerala. They are appreciably below normal (-3.1°C to -5.0°C) at isolated places over Himachal Pradesh, West Madhya Pradesh, Vidarbha and Madhya Maharashtra; below normal (-1.6°C to -3.0°C) at most places over Haryana, Chandigarh & Delhi and East Rajasthan; at a few places over Jammu & Kashmir and Telangana; at isolated places over Uttar Pradesh, West Rajasthan, East Madhya Pradesh, Marathwada and Interior Karnataka and near normal over rest parts of the country.
- Today's the lowest minimum temperature of 7.0°C recorded at Sikar (East Rajasthan) over the plains of the country.

Weather Warning during next 5 days (IMD)

- 06 March (Day 1): Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh and Odisha. Heat wave conditions at isolated pockets very likely over Tamilnadu, Coastal Andhra Pradesh and Rayalaseema.

- 07 March (Day 2): Thunderstorm accompanied with lightning & gusty winds at isolated places likely over Coastal Andhra Pradesh and Tamilnadu. Heat wave conditions at isolated places likely over Tamilnadu and Coastal Andhra Pradesh.
- 08 March (Day 3): Thunderstorm accompanied with hailstorm, lightning & gusty winds likely over Jammu & Kashmir, Himachal Pradesh and Uttrakhand. Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Rayalaseema, Kerala and Tamilnadu. Heat wave conditions at isolated places likely over Coastal Andhra Pradesh.
- 09 March (Day 4): Thunderstorm accompanied with lightning & gusty winds at isolated places likely over Kerala.
- 10 March (Day 5): No weather warning.
- The weather outlook for the period of seven days *i.e* 06 to 13 March 2019 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, West Bengal & Sikkim, north Odisha and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

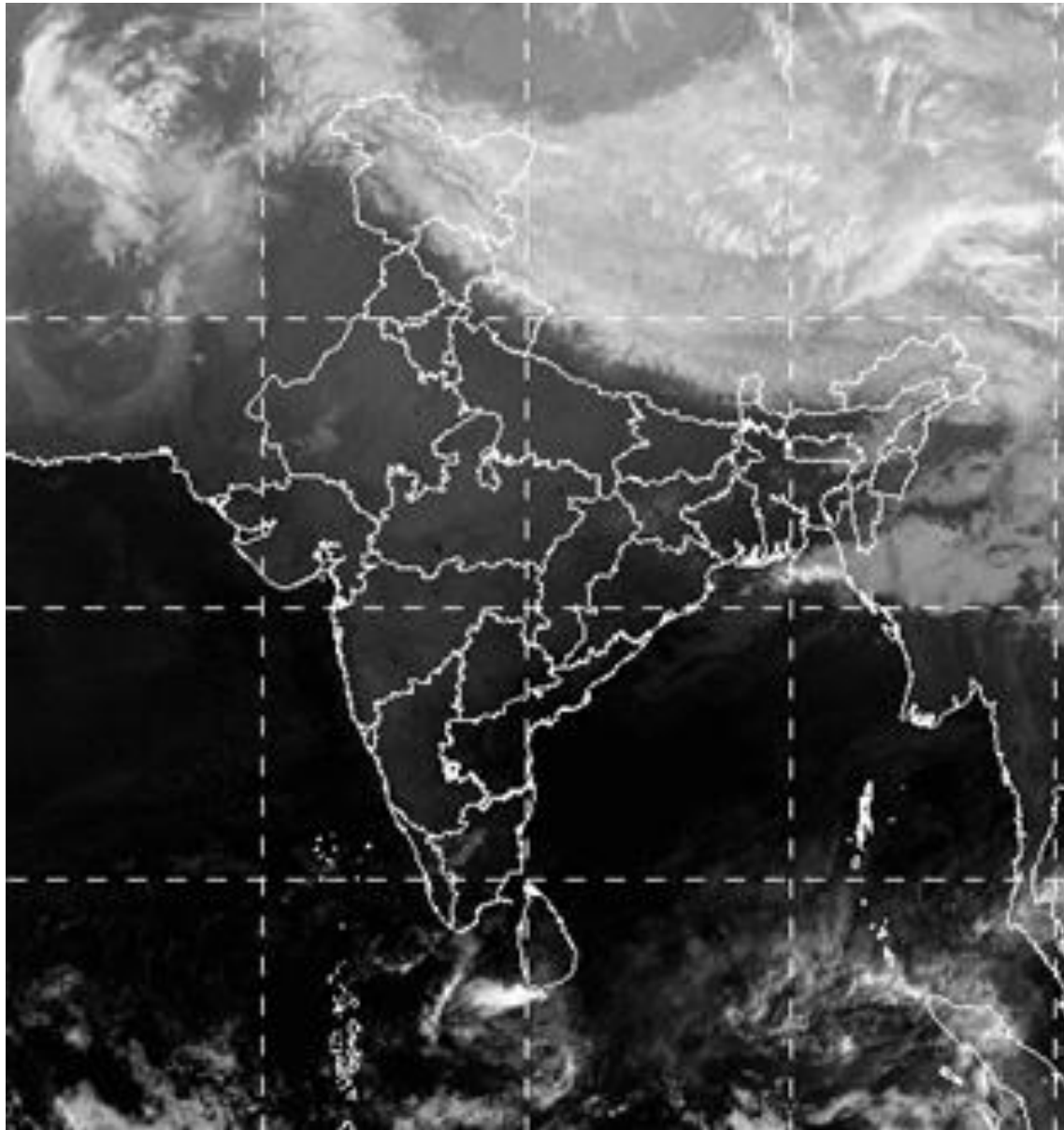
Uttarakhand

Weather condition:

Light rainfall received in Uttarakhand state during past few days. The maximum temperature ranged between 2.4°C to 12.3°C and minimum temperature ranged between -3.0°C to 3.6°C.

Contingency measure:

- Potato, Veg. Pea (High altitude) Considering the rain in last week, it is advised to postpone the sowing work for few days. Tomatoes, Capsicum, Brinjal and cucurbitaceous crops- Prepare seedling in Poly house. Mature seedlings kept out from Poly houses before transplanting to save from transplant shock when they are moved into the open field.
- Agro-Forestry- It is a good time to prepare the cutting of Chinar, Poplar, Selix etc. Collect the seeds of Bhimal, Khadik, Utis, Chamlai and keep them in a safe place.
- Temperate fruits (Apple, Pear, Peach etc)- Plantation of seedling should be completed as early as possible. Remove newly emerges sprouting/buds below the grafted part. Also remove polythene sheet from one year old grafted scion.
- Animal Husbandry- Use dry lime inside/outside of cattle sheds to prevent from harmful insects/bacteria. Door and windows should be covered properly so that cold wind could not be entered in animal shed. Young calves should be covering gunny/jute bags during night.



**Figure: 1. Latest available satellite picture as on 02 March 2019 at 0230 Hrs (IST).
(Source: IMD).**

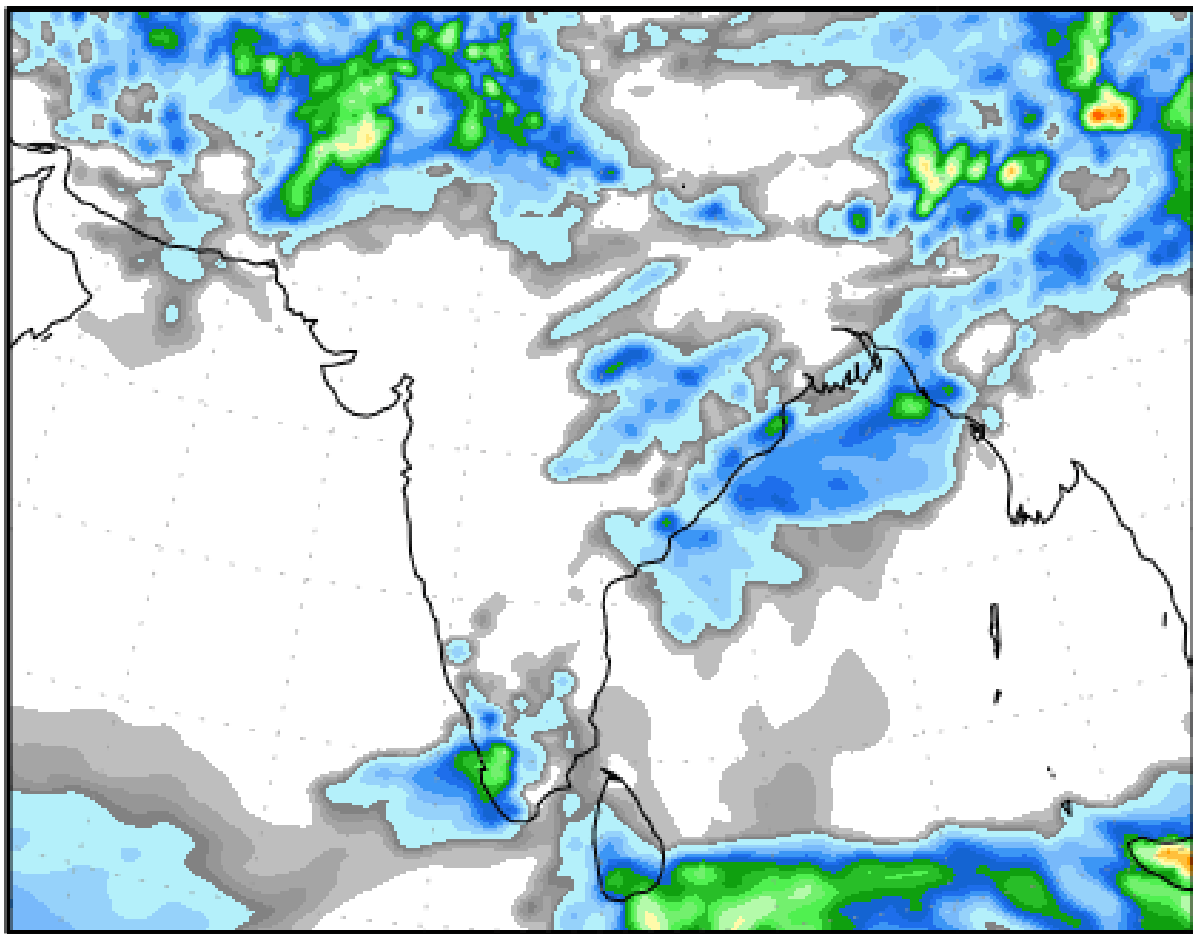


Figure: 2. Precipitation forecast for 02 to 09 March 2019 (Source: NOAA NCEP).