

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 22 March 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Major rainfall activity is likely to remain confined to northeast India during next 5 days. Scattered to fairly widespread rain/thundershowers are very likely over the region with isolated thunder squalls and lightning over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Arunachal Pradesh during next 24 hours.
- Yesterday, the day maximum temperatures were in the near normal range over major parts of the country. However, they were above normal by 2-3°C over parts of Kerala and Rayalaseema. The day temperatures are likely to rise gradually by 2-3°C over major parts of India during next 3-4 days, when parts of Kerala and adjoining areas of interior Tamilnadu & Rayalaseema might experience markedly above normal temperatures on 25th & 26th March.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rain/snow observed at a few places over Jammu & Kashmir and at isolated places over Himachal Pradesh, Uttarakhand, many places over Arunachal Pradesh; at a few places over Jharkhand, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; at isolated places over Bihar, West Bengal & Sikkim, East Madhya Pradesh, interior Odisha and Telangana.
- Maximum temperature departures as on 21.03.2019: Maximum temperatures were above normal (1.6°C to 3.0°C) at a few places over Kerala, Tamilnadu and Rayalaseema; at isolated places over Jammu & Kashmir, Punjab, Uttar Pradesh and East Madhya Pradesh. They were appreciably below normal (-3.1°C to -5.0°C) at isolated places over Himachal Pradesh; below normal (-1.6°C to -3.0°C) at isolated places over Gujarat state, Konkan & Goa, Vidarbha, Telangana, Odisha, West Bengal & Sikkim., Chhattisgarh and Assam & Meghalaya.
- The highest maximum temperature of 41.1°C was recorded at Anantapur (Rayalaseema) over the country.

- Minimum temperature departures as on 22.03.2019: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places over East Rajasthan; above normal (1.6°C to 3.0°C) at isolated places over Saurashtra & Kutch, East Uttar Pradesh, West Bengal & Sikkim, Assam & Meghalaya, Odisha, Vidarbha, Telangana and Tamilnadu & Puducherry. They are appreciably below normal (-3.1°C to -5.0°C) at isolated places over south Madhya Pradesh; below normal (-1.6°C to -3.0°C) at most places over Konkan & Goa; at many places over Madhya Maharashtra; at a few places over Bihar; at isolated places over Jammu & Kashmir, Himachal Pradesh and Haryana, Chandigarh & Delhi near normal over rest parts of the country.
- The lowest minimum temperature of 10.8°C recorded at Karnal (Haryana) over the country.

Weather Warning during next 5 days (IMD)

- 22 March (Day 1): Thundersquall accompanied with lightning at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorms accompanied with lightning at isolated places very likely over Odisha and Gangetic West Bengal.
- 23 March (Day 2): Thunderstorm accompanied with gusty winds & lightning at isolated places very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 24 March (Day 3): No weather warning.
- 25 March (Day 4): Thunderstorm accompanied with gusty winds & lightning at isolated places likely over north Coastal Andhra Pradesh.
- 26 March (Day 5): Thundersquall accompanied with lightning at isolated places likely over Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds & lightning at isolated places likely over Assam & Meghalaya and Arunachal Pradesh.
- The weather outlook for the period of seven days *i.e* 22 to 29 March 2019 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Himachal Pradesh, Uttarakhand, West Bengal & Sikkim, Bihar, Jharkhand, East Madhya Pradesh, Odisha, Telangana and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Jammu region of Jammu & Kashmir

Weather condition:

Dry weather prevailed in Jammu region of Jammu & Kashmir state during past few days.

Contingency measure:

- Wheat Crop: Monitor the crop for Yellow rust infestation. If noticed, apply Propiconazole (Tilt)@ 25ml in 25 lits. of water/kanal. To control loose smut, rogue out affected plants and destroy by burning or deep burying under soil to avoid further dispersal
- Mustard crop: Harvest the crop when pods turn yellow. The bundles of the harvested plants should be kept in stack with head upwards before threshing.
- Rabi pulses : For control of collar rot and root rot, rogue out the severely infected plants and drench affected areas with thiram @ 0.2% or carbendazim @ 0.1%.
- Vegetable crops: To control red pumpkin beetle in cucurbits especially cucumber and bottle gourd, incorporate Phorate granules 10G in the pits during transplanting.
- Horticulture and Floriculture: In citrus spray copper oxychloride @ 3gm/lt to check dieback, gummosis, anthracnose and citrus canker prevalent due to present temperature and RH. In marigold, Spray with fungicide (Diathane M-45 @0.2%+ Bavistin @ 0.1%) for control of diseases.

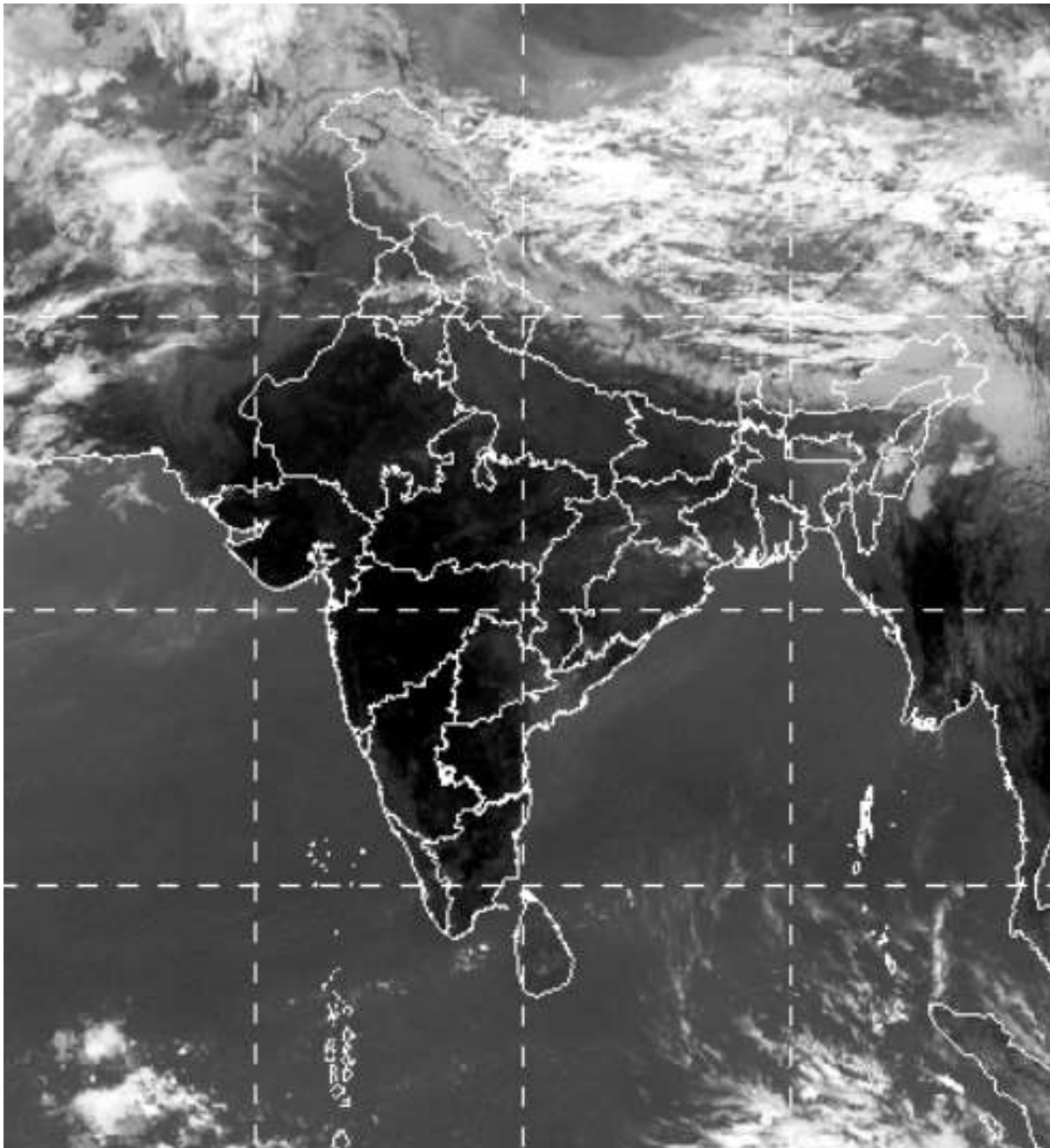


Figure: 1. Latest available satellite picture as on 22 March 2019 at 0230 Hrs (IST).

(Source: IMD).

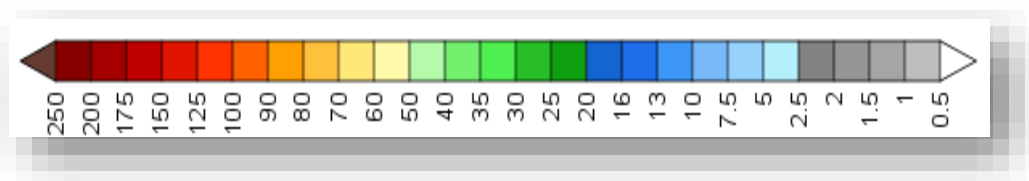
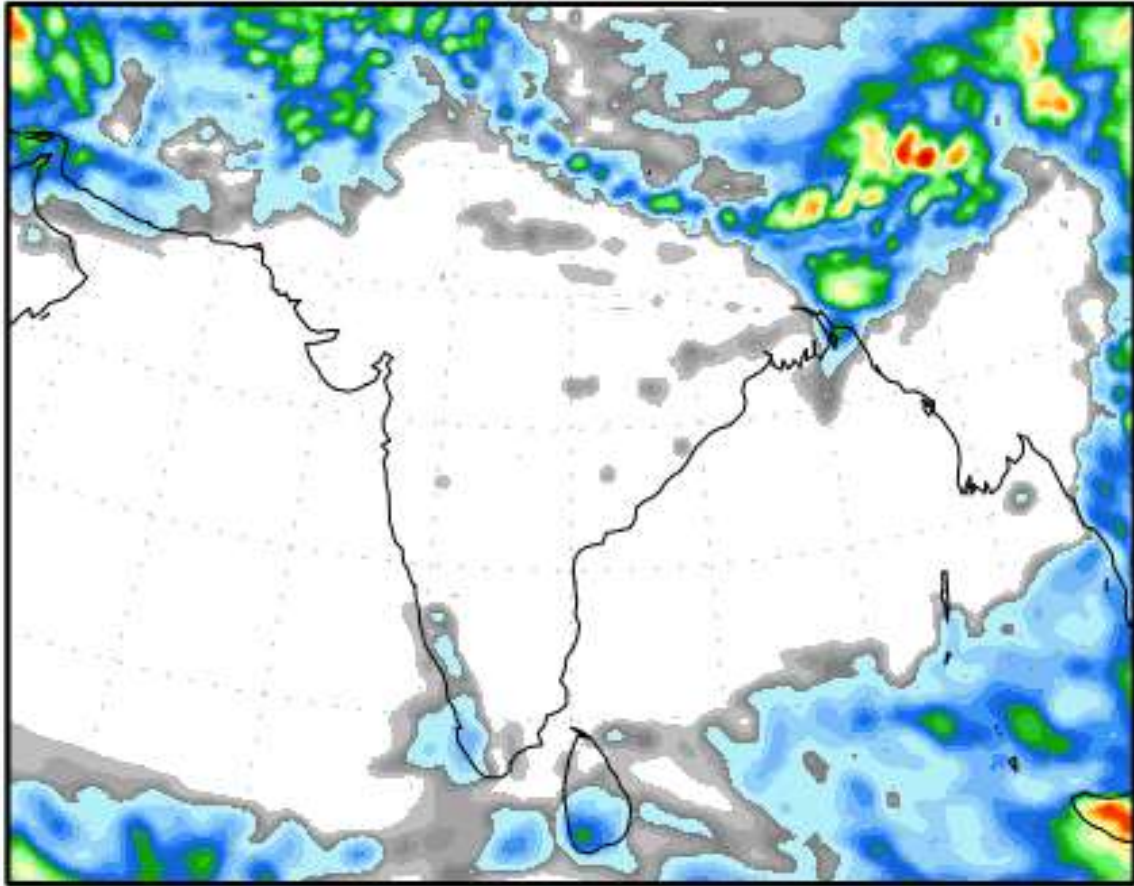


Figure: 2. Precipitation forecast for 22 to 29 March 2019 (Source: NOAA NCEP).