

# All India Coordinated Research Project on Agrometeorology

## CRIDA, Santoshnagar, Hyderabad – 500 059

### Daily Crop Weather Information as on 21 March 2018

**Attention: Rajiv Maheshwari, OSD, ICAR**

#### Significant Weather Features (IMD)

- The Western Disturbance over Pakistan & adjoining Jammu & Kashmir is likely to cause scattered to fairly widespread rain/snow over Western Himalayan region during next 48 hours. Thunderstorms/hailstorms are also very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab & northwest Rajasthan and thunderstorms/dust storms/gusty winds very likely at isolated places over plains of Northwest India during next 24 hours.
- Parts of East India is likely to experience isolated thunder squalls on 22nd & 23rd March.
- Hailstorms occurred at isolated places over Jammu & Kashmir and West Rajasthan yesterday.
- Thunderstorm observed at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana and north Rajasthan from 1130 hours IST of yesterday to 0830 hrs 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: Rain/Thundershowers observed at most places over Jammu & Kashmir; at many places over Himachal Pradesh; at a few places over Punjab and at isolated places over West Rajasthan, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh and Kerala.
- Maximum temperature departures as on 20.03.2018: Maximum temperatures were markedly above normal (5.1°C or more) at most places over Jammu & Kashmir and Himachal Pradesh; at many places over Uttarakhand; at a few places over Punjab; appreciably above normal (3.1°C to 5.0°C) at a few places over Haryana, Chandigarh & Delhi and Uttar Pradesh and at isolated places over Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim; above normal (1.6°C to 3.0°C) at many places over East Rajasthan; at a few places over West Rajasthan and Coastal Karnataka; at isolated places over Madhya Pradesh, Saurashtra & Kutch, Odisha, Konkan & Goa, Madhya Maharashtra and Andaman & Nicobar Islands. They

were below normal (1.6°C to 3.0°C) at isolated places over Telangana, Marathwada and Tamilnadu & Puducherry.

- Yesterday, the highest maximum temperature of 39.8°C recorded at Bhubaneswar (Odisha) over the country.
- Minimum temperature departures as on 21.03.2018: Minimum temperatures are markedly above normal (5.1°C or more) at isolated places over Jammu & Kashmir and Himachal Pradesh; appreciably above normal (3.1°C to 5.0°C) at most places over Punjab; at many places over Haryana, Chandigarh & Delhi; at isolated places over Madhya Pradesh; above normal (1.6°C to 3.0°C) at many places over Rajasthan, Gujarat and Sub Himalayan West Bengal & Sikkim; at isolated places over Gangetic West Bengal and Vidarbha. They are below normal (1.6°C to 3.0°C) at a few places over Odisha; at isolated places over Chhattisgarh and north interior Karnataka and near normal over rest parts of the country.
- The lowest minimum temperature of 12.0°C recorded at Pantnagar (Uttarakhand) over the plains of the country.

#### Weather Warning during next 5 days (IMD)

- 21 March (Day 1): Thunderstorm accompanied with hailstorm very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab and northwest Rajasthan. Thunderstorm accompanied with dust storm & gusty winds very likely at isolated places over Haryana, Chandigarh & Delhi, West Uttar Pradesh and northeast Rajasthan.
- 22 March (Day 2): Thunderstorm accompanied with hailstorm very likely at isolated places over Uttarakhand. Thunderstorm accompanied with dust storm & gusty winds very likely at isolated places over East Uttar Pradesh. Thunderstorm accompanied with squall very likely at isolated places over Bihar, Jharkhand, Odisha, West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 23 March (Day 3): Thunderstorm accompanied with squall very likely at isolated places over Gangetic West Bengal, Odisha, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 24 March (Day 4): No Weather Warning.
- 25 March (Day 5): No Weather Warning.
- The weather outlook for the period of seven days *i.e* 21 March to 29 March 2018 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, Punjab, West Rajasthan, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh and Kerala. (Fig. 2).

## Agricultural activities (AICRPAM-CRIDA)

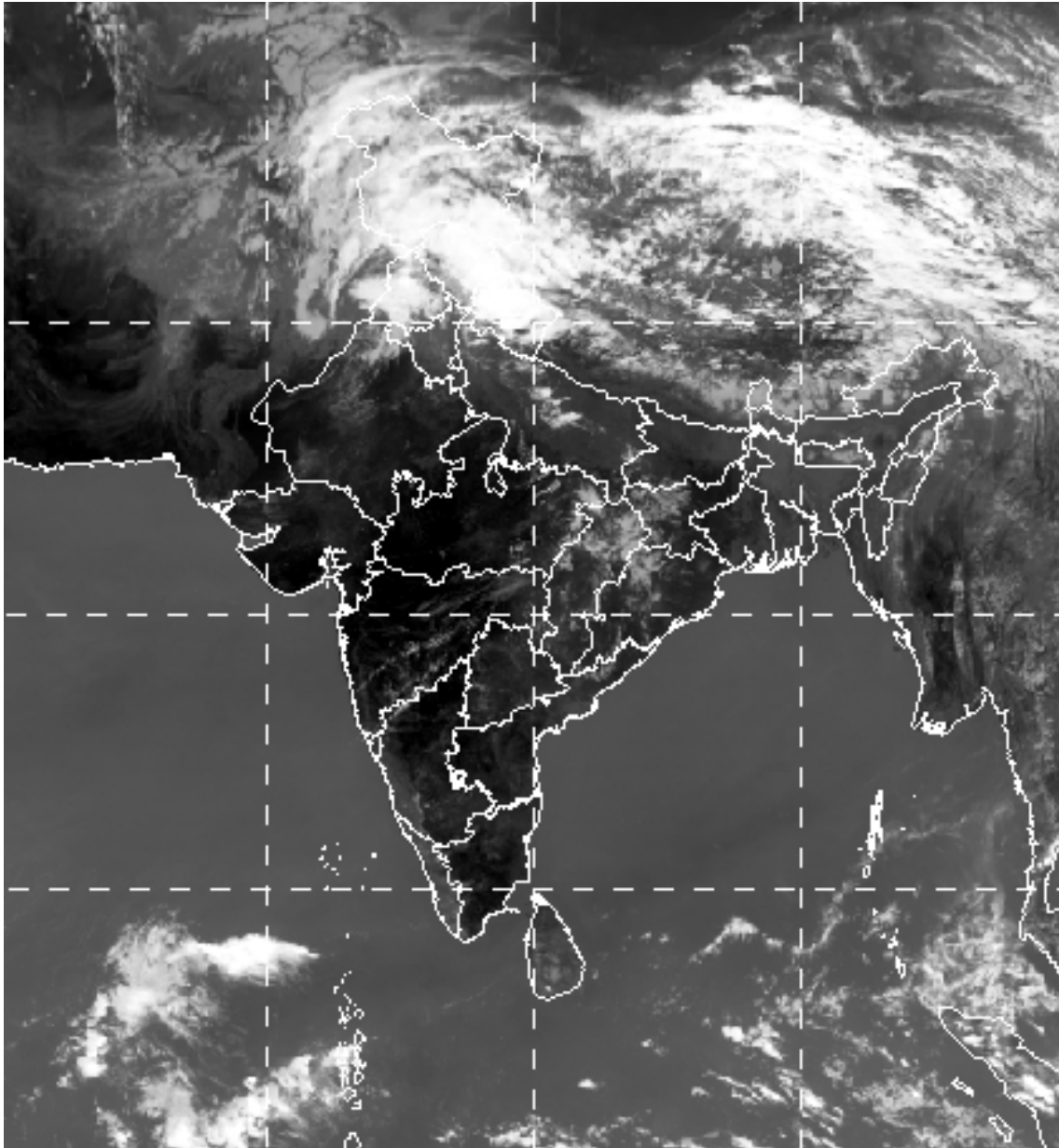
### Andhra Pradesh

#### Weather condition

Mainly dry weather prevailed in Andhra Pradesh state during past few days.

#### Contingency measure:

- Groundnut: Incidence of sucking pests was observed in some parts of the district in groundnut crop. Farmers are advised to spray, Dimethoate @2ml/lit of water (or) Thiomethoxam @40g/acre for control.
- Groundnut leaf folder incidence was observed in some parts of the district. For the control of leaf folder, farmers are advised to spray Chlorpyrifos @500 ml (or) Flubendamide 40 ml (or) Monocrotophos 320 ml is mixed with 200 liters of water.
- Paddy: Rice leaf folder incidence was observed in some parts of the district. For the control of leaf folder, farmers are advised to spray Chlorpyrifos @2 ml/lit. Stem borer incidence was observed in some parts of the district. For the control of stem borer, farmers are advised to spray Chlorpyrifos @2.5ml/lit (or) Acephate 1.5 g/lit (or) Cartap hydrochloride 2.0g/lit of water is recommended.
- Castor: In rabi castor crop, sucking pests incidence like thrips is observed. For the control of sucking pests, farmers are advised to spray Acephate 1.5 g /lit.
- Maize: Leaf blight incidence is observed in some parts of the district. For control, farmers are advised to apply mancozeb 2.5g/lit of water. Stem borer incidence is observed in some parts of the district. Farmers are advised apply carbofuran granules 3kgs/acre for control of stem borer. Incidence of powdery mildew and fruit rot is observed in some parts of the district. For control, farmers are advised to spray azoxystrobin 1ml/lit or karathane 1ml+mancozeb 2 g/lit of water is recommended.
- Chillies: Incidence of chilli midge is observed in some parts of the district. For control, farmers are advised to spray triazophos 2ml/lit of water.



**Figure: 1. Latest available satellite picture as on 21 March 2018 at 0230 Hrs (IST).  
(Source: IMD).**

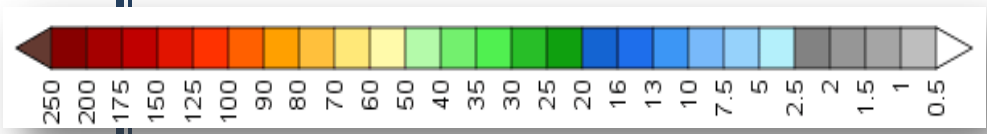
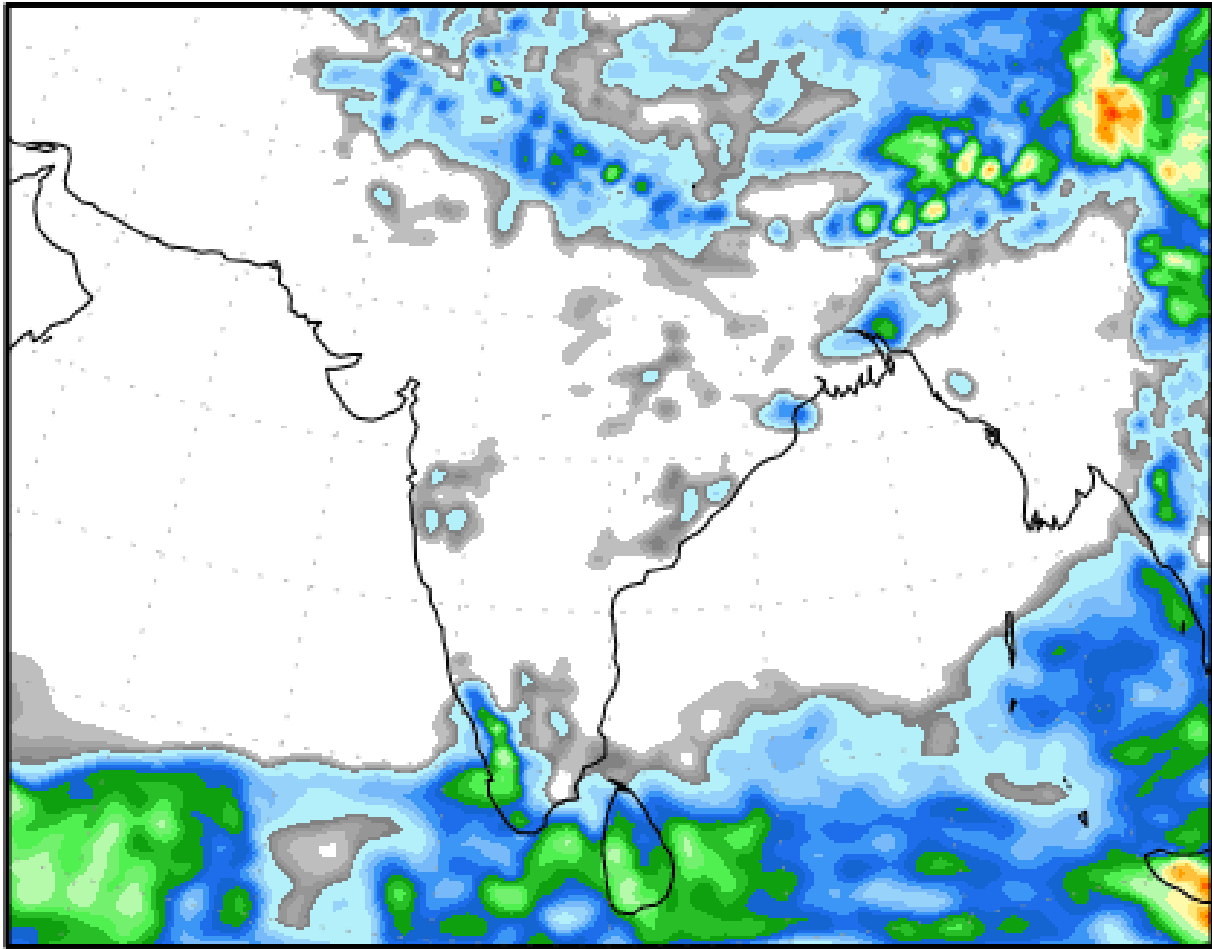


Figure: 2. Precipitation forecast for 21 March to 29 March 2018 (Source: NOAA NCEP).