

# **All India Coordinated Research Project on Agrometeorology**

## **CRIDA, Santoshnagar, Hyderabad – 500 059**

### **Daily Crop Weather Information as on 15 March 2019**

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

#### **Significant Weather Features (IMD)**

- Yesterday, fairly widespread to widespread rain/snow occurred over Western Himalayan Region (WHR) and isolated to scattered rain/thundershowers over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan and Uttar Pradesh. The rainfall activity is likely to reduce significantly from today, with the weakening and eastward movement of the Western Disturbance (WD) from the region. A fresh spell of enhanced rain/snow is likely over WHR on 19th & 20th March in association with another WD.
- The wind confluence zone in the lower levels and conducive upper level features are likely to cause isolated to scattered/fairly widespread rainfall over Jharkhand, Gangetic West Bengal and adjoining areas of Odisha & Bihar during next 24 hours. Isolated thundersqualls and lightning are also likely over these regions during this period. The activity is likely to decrease slightly on 16th over these regions to be followed by an increase on 17th & 18th March.
- Isolated to scattered Rain/thundershowers are likely over Northeast India during next 5 days with a likely increase in spatial distribution during the last two days. Isolated thunderstorms, gusty winds and lightning are likely to occur over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 3 days.
- 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 hours IST of today) :at most places over Uttrakhand; at a few places over Jammu & Kashmir and Himachal Pradesh, Haryana, Chandigarh & Delhi ; at a few places over Arunachal Pradesh, Punjab, East Uttar Pradesh, Odisha and Gangetic West Bengal; at isolated places over Assam & Meghalaya, Rajasthan, Madhya Pradesh, Bihar and Chhattisgarh.

- Maximum temperature departures as on 14.03.2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Assam & Meghalaya, Odisha and Coastal Andhra Pradesh; at isolated places over Vidarbha, Kerala and Tamilnadu & Puducherry; above normal (1.6°C to 3.0°C) at most places over Rayalaseema; at a few places over East Uttar Pradesh, Jharkhand, West Bengal & Sikkim, Coastal Karnataka, Telangana and Lakshadweep; at isolated places over Konkan & Goa Madhya Maharashtra and Interior Karnataka. They were markedly below normal (-5.1°C or less) at many places over Haryana, Chandigarh & Delhi; at a few places over Himachal Pradesh and Punjab; at isolated places over Jammu & Kashmir; appreciably below normal (-3.1°C to -5.0°C) at a few places over Rajasthan, Gujarat and Andaman & Nicobar Islands; at isolated places over East Uttar Pradesh, Bihar and East Madhya Pradesh; below normal (-1.6°C to -3.0°C) at a few places over East Madhya Pradesh and near normal over rest parts of the country.
- Yesterday, the highest maximum temperature of 40.3°C was recorded at Tirupati (Rayalaseema) over the country.
- Minimum temperature departures as on 15.03.2019: Minimum temperatures are markedly above normal (5.1°C or more) at a few places over Assam & Meghalaya; at isolated places over Sub-Himalayan West Bengal & Sikkim; appreciably above normal (3.1°C to 5.0°C) at many places over Arunachal Pradesh; at a few places over Nagaland, Manipur, Mizoram & Tripura, East Uttar Pradesh, Bihar, Chhattisgarh, Odisha and Jharkhand; at isolated places over North Interior Karnataka, Telangana, Rayalaseema and Tamilnadu & Puducherry; above normal (1.6°C to 3.0°C) at a few places over East Madhya Pradesh, Vidarbha and Coastal Andhra Pradesh; at isolated places over Jammu & Kashmir, Madhya Maharashtra, Marathwada and Andaman & Nicobar Islands. They are appreciably below normal (-3.1°C to -5.0°C) at most places over Haryana, Chandigarh & Delhi; at a few places over Himachal Pradesh; at isolated places over Uttarakhand, Punjab, West Uttar Pradesh, Rajasthan, West Madhya Pradesh, South Interior Karnataka and Kerala; below normal (-1.6°C to -3.0°C) at a few places over Gujarat, Konkan & Goa and Gangetic West Bengal and near normal over rest parts of the country.
- The lowest minimum temperature of 7.0°C recorded at Amritsar (Punjab) & Karnal (Haryana) over the plains of the country.

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

- 15 March (Day 1): Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over East Madhya Pradesh, Chhattisgarh, Jharkhand, Gangetic West Bengal, Odisha, Arunachal Pradesh.

- 16 March (Day 2): Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 17 March (Day 3): Thundersquall accompanied with lightning at isolated places very likely over Jharkhand, Gangetic West Bengal and Odisha. Thunderstorm accompanied with lightning & gusty winds at isolated places very likely over East Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Coastal Andhra Pradesh. Heavy rain at isolated places very likely over Odisha.
- 18 March (Day 4): Thunderstorm accompanied with lightning & gusty winds at isolated places likely over Chhattisgarh, Jharkhand, West Bengal & Sikkim, Odisha, Kerala and Coastal Andhra Pradesh.
- 19 March (Day 5): Thunderstorm accompanied with hailstorm, lightning & gusty winds at isolated places likely over Jammu & Kashmir and Himachal Pradesh.
- The weather outlook for the period of seven days *i.e* 15 to 22 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, Punjab, Haryana, Chandigarh & Delhi, Rajasthan, East Uttar Pradesh, Gangetic West Bengal, Bihar, Chhattisgarh, Madhya Pradesh, Odisha and North Eastern States. (Fig. 2).

## Agricultural activities (AICRPAM-CRIDA)

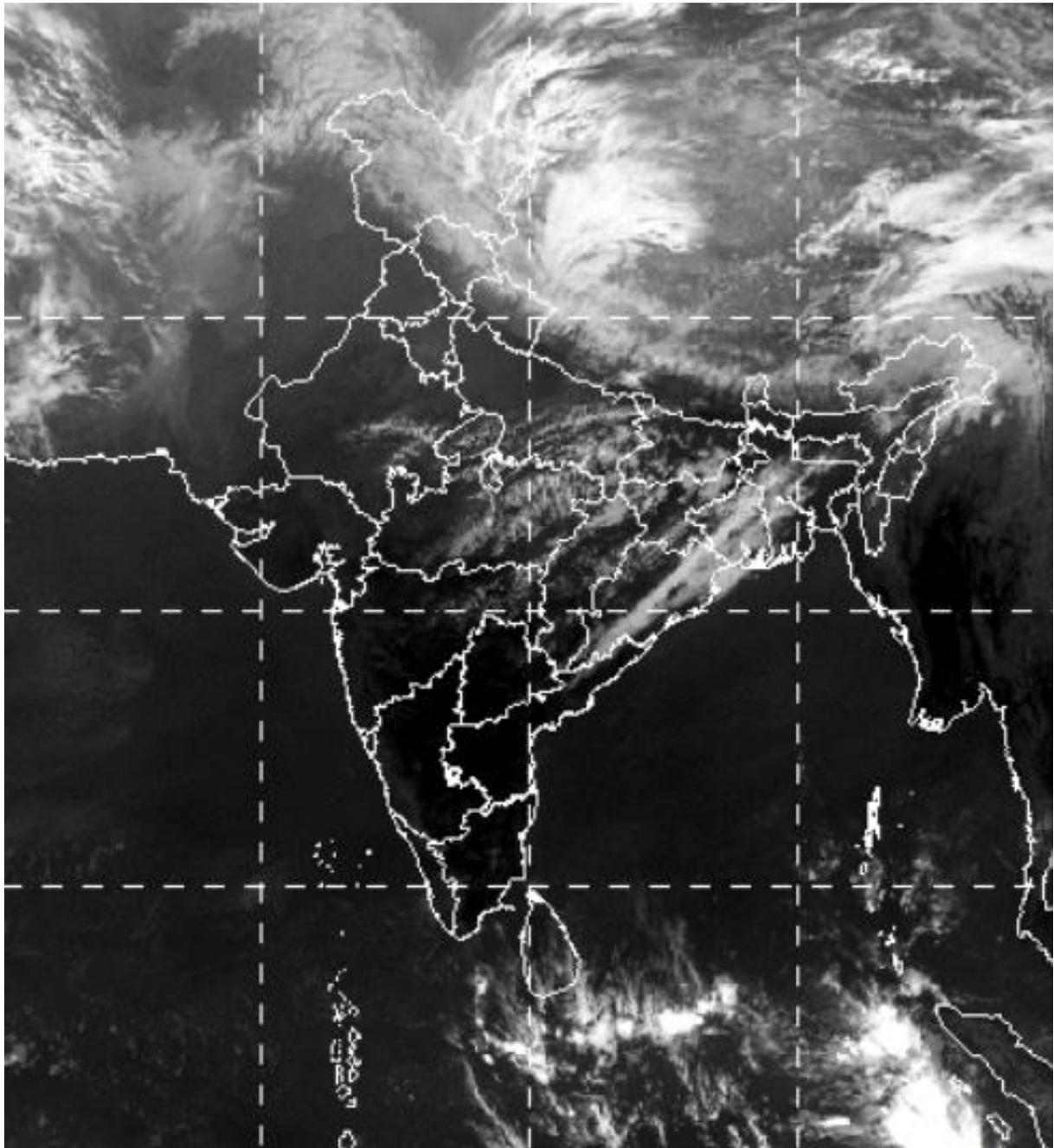
### Tamil Nadu

#### Weather condition:

Rainfall occurred at isolated places over Tamil Nadu state during past few days.

#### Contingency measure:

- Cotton: Prevailing weather condition is favorable for Leafhopper, Mealy bug and stem weevil incidence in cotton. To control sucking pest, spray Imidacloprid 200 SL 100 ml/ha (or) Fipronil 5%S C 1500-2000 ml/ha. To control mealy bug incidence spray NSKE 5% (or) FORS 25g/litre. To control stem weevil incidence, spray Carbaryl 50 WP 2.5 kg/ha (or) Carbofuran 3G 33.3 kg/ha.
- Chilli: Anticipated weather condition is favourable for Fruit rot / Die back and fruit borer diseases in chilli. Symptoms of Fruit rot/Die back disease. As the fungus causes necrosis of tender twigs from the tip backwards the disease is called die-back. This drying up spreads from the flower stalks to the stem.
- Citrus: Prevailing weather condition is favorable for Citrus canker disease incidence. To control spray Copper Oxy Chloride 0.2% at fortnight intervals. If micro nutrient like Iron (or) Copper deficiency symptom is noticed, spray FeSO<sub>4</sub> @ 0.5% (or) CuSO<sub>4</sub> 0.5% at fortnight interval to correct the deficiency.
- Banana: For protecting banana from high wind speed, mount the soil around the base of the tree and give support by using Casuarinas poles.
- Animal Husbandry: Deworming may be advised to the goat and sheep by utilizing the facility from nearby veterinary hospital. Use tree fodder as material to the due to of green fodder. Collect the dry fodder (hay/stalks) from the field and store in safest place to use in lean season.



**Figure: 1. Latest available satellite picture as on 15 March 2019 at 0230 Hrs (IST).  
(Source: IMD).**

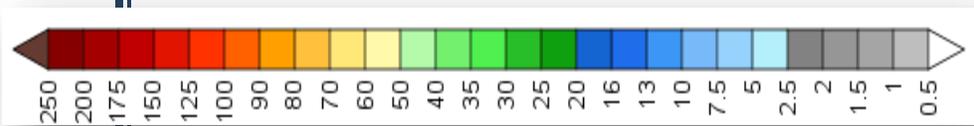
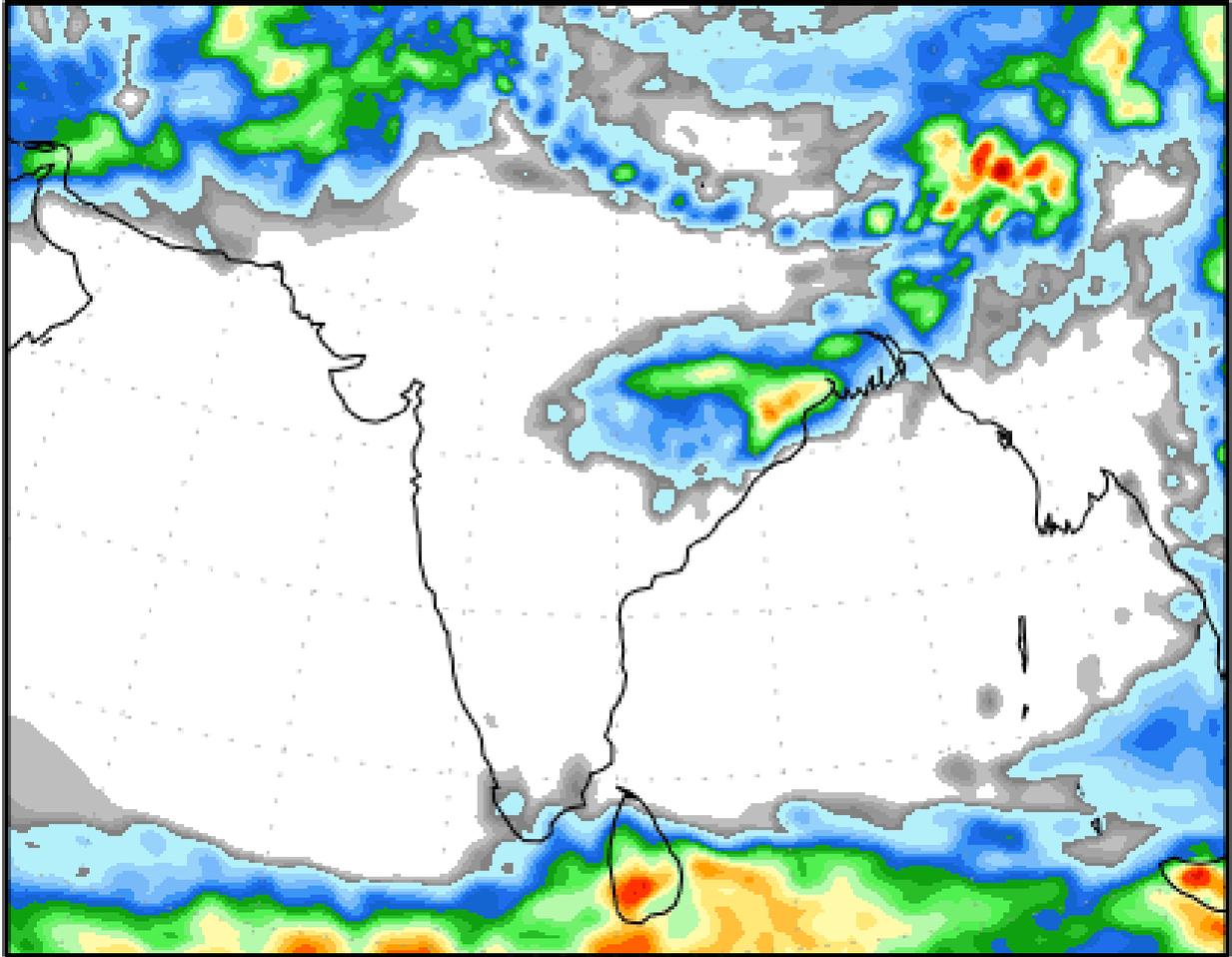


Figure: 2. Precipitation forecast for 15 to 22 March 2019 (Source: NOAA NCEP).