

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

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

### **Daily Crop Weather Information as on 12 March 2018**

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

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

- The well marked low pressure area over Equatorial Indian Ocean and adjoining Comorin area, south Sri Lanka & Southwest Bay of Bengal now lies over Equatorial Indian Ocean and adjoining south Sri Lanka & Maldives Comorin Area. It is very likely to move initially west northwestwards and then northwards and concentrate into a depression over southeast Arabian Sea (Maldives area) during next 36 hours.
- The images showing the latest satellite picture in figure. 1.

#### **Main Weather Observations (IMD)**

- Rainfall recorded ( 0830 hours IST of yesterday to 0830 hours IST of today): Rain / thundershowers observed at many places over Sub Himalayan West Bengal & Sikkim; at a few places over Andaman & Nicobar Islands and at isolated places over Vidarbha, Assam & Meghalaya.
- Maximum temperature departures as on 11.03.2018: Maximum temperatures were markedly above normal (5.1°C or more) at most places over Jammu & Kashmir and Himachal Pradesh; at a few places over Punjab; at isolated places over West Rajasthan and north Madhya Pradesh; appreciably above normal (3.1°C to 5.0°C) at most places over East Rajasthan; at many places over Uttarakhand, Haryana, Chandigarh & Delhi, Gangetic West Bengal and Konkan & Goa; at a few places over West Uttar Pradesh, Gujarat state, Bihar and Jharkhand; above normal (1.6°C to 3.0°C) at most places over Odisha, Nagaland, Manipur, Mizoram & Tripura and Coastal Karnataka; at many places over East Uttar Pradesh and rest Madhya Pradesh; at a few places over North Interior Karnataka, Madhya Maharashtra and Kerala; at isolated places over Assam & Meghalaya, north Coastal Andhra Pradesh and Tamilnadu & Puducherry. They were appreciably below normal (3.1°C to 5.0°C) at a few places over Vidarbha; below normal (1.6°C to 3.0°C) at isolated places over Telangana and near normal over rest parts of the country.
- Yesterday, the highest maximum temperature of 38.4°C was recorded at Bankura (Gangetic West Bengal) and Amreli (Gujarat) over the country.
- Minimum temperature departures as on 12.03.2018: Minimum temperatures are markedly above normal (5.1°C or more) at isolated places over West Rajasthan; appreciably above

normal (3.1°C to 5.0°C) at many places over Jammu & Kashmir and Punjab; at a few places over Himachal Pradesh and West Uttar Pradesh; at isolated places over East Rajasthan and south Madhya Maharashtra; above normal (1.6°C to 3.0°C) at most places over Haryana, Chandigarh & Delhi and Andaman & Nicobar Islands; at many places over Uttarakhand and Sub Himalayan West Bengal; at a few places over north Madhya Pradesh, Bihar, Odisha, Marathwada and Telangana; at isolated places over Gangetic West Bengal. Assam & Meghalaya, Gujarat region, Konkan & Goa and Tamilnadu & Puducherry. They are below normal (1.6°C to 3.0°C) at a few places over Vidarbha, Coastal Karnataka and South Interior Karnataka; at isolated places over East Rajasthan, Saurashtra & Kutch, North Interior Karnataka and south Coastal Andhra Pradesh near normal over rest parts of the country.

- The lowest minimum temperature of 12.4°C recorded at Udaipur (East Rajasthan) over the plains of the country.

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

- 12 March (Day 1): Squally winds speed reaching 40-50 kmph gusting to 60 kmph is very likely over Comorin area and along and off South Tamilnadu south Kerala coasts and 30-40 kmph gusting to 50 kmph over Lakshadweep area and adjoining southeast Arabian Sea. Sea conditions will be rough to very rough over Comorin Maldives area and adjoining sea area. Thunderstorm with gusty winds likely at isolated places over Odisha, Jharkhand and Gangetic West Bengal.
- 13 March (Day 2): Heavy rain at isolated places very likely over Lakshadweep area. Squally winds speed reaching 40-50 kmph gusting to 60 kmph is very likely over Comorin area and along and off South Tamilnadu south Kerala coasts, Lakshadweep area and adjoining southeast Arabian Sea. Sea conditions will be rough to very rough over Comorin Maldives area and adjoining sea area, Lakshadweep area and adjoining southeast Arabian Sea. Thunderstorm accompanied with hail likely at isolated places over Jammu division of Jammu & Kashmir.
- 14 March (Day 3): Heavy to very rain at a few places over very likely over Lakshadweep area. Squally winds speed reaching 45-55 kmph gusting to 65 kmph is very likely over Lakshadweep area and adjoining southeast Arabian Sea. Sea conditions will be rough to very rough over Lakshadweep area and adjoining southeast Arabian Sea. Thunderstorm accompanied with hail likely at isolated places over Jammu & Kashmir and Himachal Pradesh.
- 15 March (Day 4): Squally winds speed reaching 45-55 kmph gusting to 65 kmph very likely over Lakshadweep area and adjoining southeast Arabian Sea. Sea conditions will be rough to very rough over Lakshadweep area and adjoining southeast Arabian Sea. Thunderstorm accompanied with gusty winds very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 16 March (Day 5): Thunderstorm accompanied with gusty winds very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.

- The weather outlook for the period of seven days *i.e* 12 March to 20 March 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Sub Himalayan West Bengal & Sikkim, Vidarbha, Assam & Meghalaya and Andaman & Nicobar Islands. (Fig. 2).

## **Agricultural activities (AICRPAM-CRIDA)**

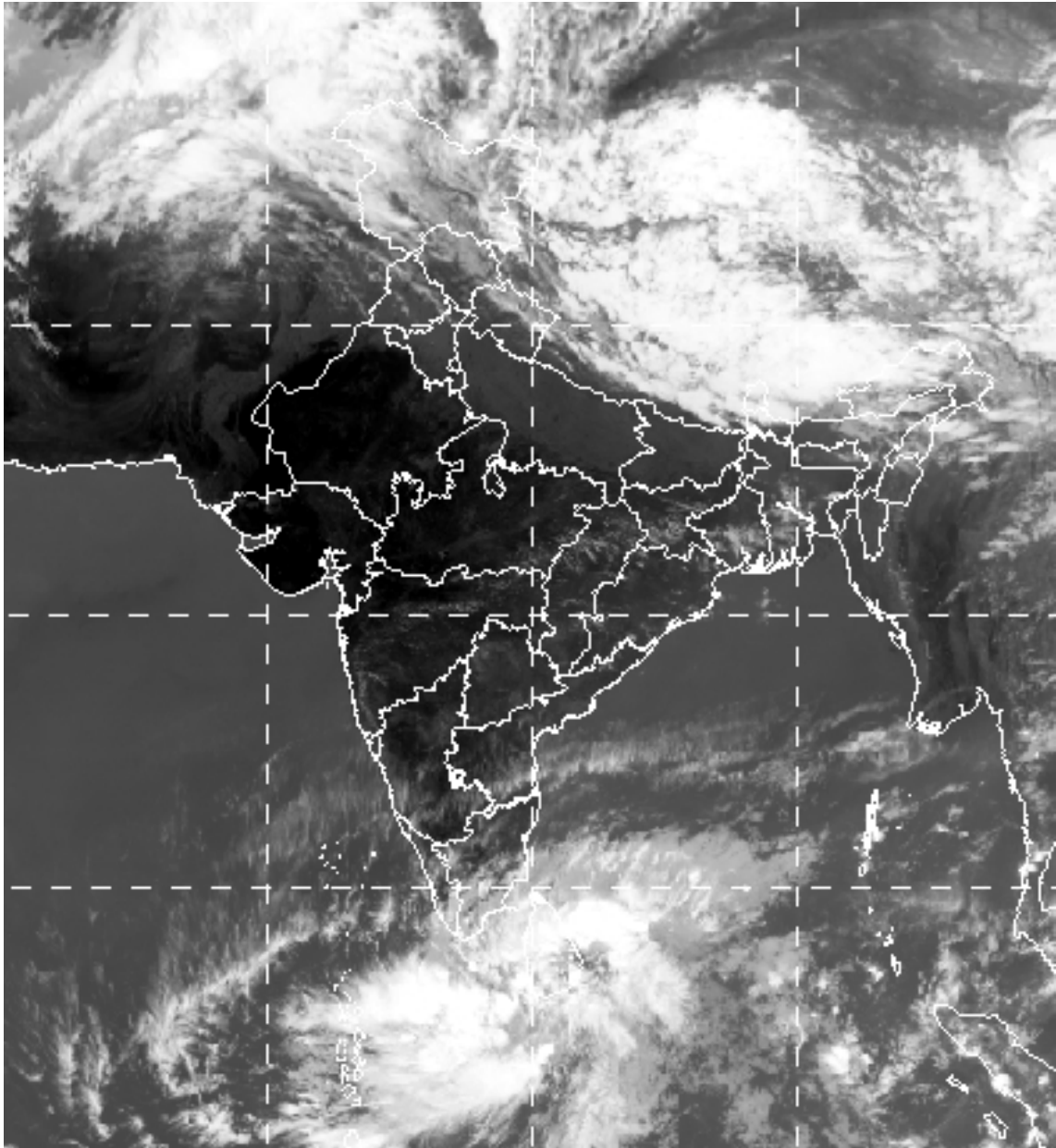
### **Kerala**

#### **Weather condition**

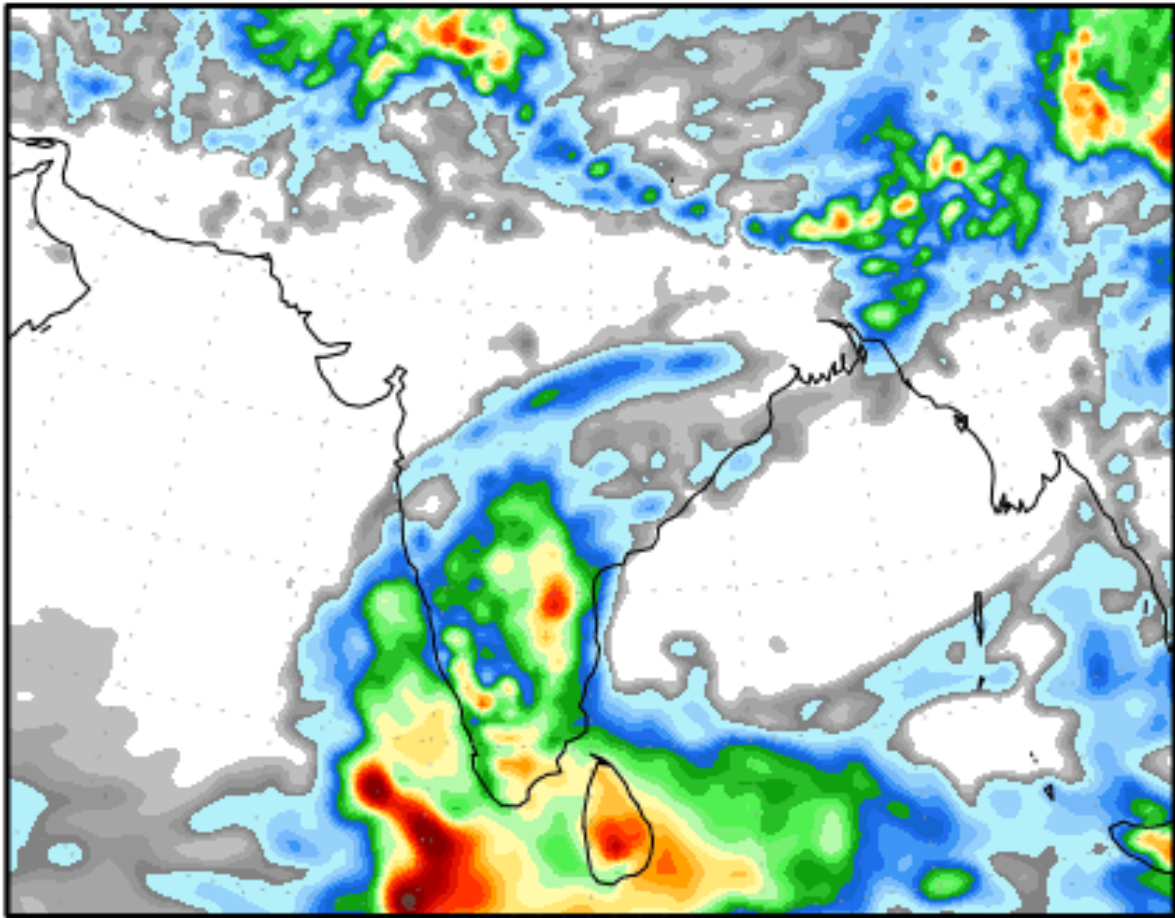
Cloudy weather prevailed in Kerala state during past few days. The maximum temperature ranges from 37.6 to 39.0°C and minimum temperature ranges from 22.3 to 24.7°C.

#### **Contingency measure:**

- Paddy: Land preparation to transplanting Plough the land for Punja cultivation. Transplant seedlings at 4-5 leaf stage. Soak seed for 30 minutes in a solution of Pseudomonas culture @10g/litre of water per kg of seed. The above seed treatment can also be used to control sheath blight, sheath root, leaf spot disease etc.
- Coconut: Burying of fresh or dried coconut husk around the palm is a desirable practice particularly for moisture retention. The husk can be buried either in linear trenches taken 3 m away from the trunk between rows of palms or in circular trenches taken around the palm at a distance of 2 m from the trunk. The trenches may be of 0.5 m width and depth. The husks are to be placed in layers with concave surface facing upwards and covered with soil. The beneficial effect of husk burial will last for about 5-7 years. Instead of husk, coconut pith can be buried @ 25 kg / palm / year. Vegetables-(Cowpea)-Thrips There is a chance of thrips on vegetables, spray Oberon 0.6 ml/ L of water.



**Figure: 1. Latest available satellite picture as on 12 March 2018 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 12 March to 20 March 2018 (Source: NOAA NCEP).**