

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

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

### **Daily Crop Weather Information as on 15 March 2018**

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

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

- The well marked low pressure area over Lakshadweep and adjoining southeast Arabian Sea persists. Associated Upper air cyclonic circulation extends upto midtropospheric level. System likely to move north northwestwards and weaken gradually over southeast & adjoining eastcentral Arabian Sea during next 24 hours.
- Thunderstorm observed at many places over Jammu & Kashmir and at isolated places over Himachal Pradesh, Rajasthan, North Interior Karnataka, Coastal Karnataka and Lakshadweep from 0530 hours IST to 0830 hours 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 / snow observed at most places over Jammu & Kashmir; at isolated places over Himachal Pradesh. Rain / thundershowers observed at most places over Lakshadweep & Coastal Karnataka; at a few places over Kerala & Tamilnadu; at isolated places over Punjab, Rajasthan, Interior Karnataka, Konkan & Goa.
- Maximum temperature departures as on 14.03.2018: Maximum temperatures were markedly above normal (5.1°C or more) at most places over Himachal Pradesh, Uttarakhand & Punjab; at many places over Haryana, Chandigarh & Delhi; at a few places over Jammu & Kashmir; appreciably above normal (3.1°C to 5.0°C) at most places over Uttar Pradesh, East Madhya Pradesh & Jharkhand; at many places over Odisha, Chhattisgarh, Konkan & Goa; at a few places over Gangetic West Bengal & Arunachal Pradesh; at isolated places over north Rajasthan; above normal (1.6°C to 3.0°C) at most places over Vidarbha & Telangana; at many places over West Madhya Pradesh; at a few places over rest Rajasthan, Assam & Meghalaya; at isolated places over Saurashtra & Kutch, Bihar & Coastal Andhra Pradesh. They were appreciably below normal (3.1°C to 5.0°C) at a few places over Tamilnadu; below normal (1.6°C to 3.0°C) at isolated places over rest Jammu & Kashmir, rest Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and near normal over rest parts of the country.

- The highest maximum temperature of 40.5°C recorded at Titlagarh (Odisha) over the country.
- Minimum temperature departures as on 15.03.2018: Minimum temperatures are markedly above normal (5.0°C or more) at a few places over Punjab, Uttar Pradesh, north Rajasthan & Madhya Pradesh; appreciably above normal (3.1°C to 5.0°C) at most places over Himachal Pradesh, Uttarakhand, Madhya Maharashtra & Marathawada; at many places over Haryana, Chandigarh & Delhi, Bihar, Sub Himalayan West Bengal & Sikkim, Vidarbha, Konkan & Goa, North Interior Karnataka & Rayalaseema; at a few places over rest Punjab, rest Uttar Pradesh, rest Rajasthan, rest Madhya Pradesh, Jharkhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; at isolated places over Tamilnadu; above normal (1.6°C to 3.0°C) at most places over Chhattisgarh & Telangana; at many places over Coastal Andhra Pradesh, South Interior Karnataka & Gujarat region; at a few places over Arunachal Pradesh, Gangetic West Bengal, Saurashtra & Kutch; at isolated places over Odisha & rest Tamilnadu and near normal over rest parts of the country.
- The lowest minimum temperature of 13.0°C recorded at Bharatpur (East Rajasthan) over the plains of the country.

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

- 15 March (Day 1): Heavy rain at isolated places very likely over Lakshadweep. Thunderstorm accompanied with gusty winds very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Madhya Pradesh, Vidarbha, Jharkhand, West Bengal & Sikkim, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, south Madhya Maharashtra, Marathawada, south Konkan & Goa, Telangana, Rayalaseema, Karnataka, Tamilnadu & Kerala. Squally winds speed reaching 35-45 kmph gusting to 55 kmph is very likely over Lakshadweep Islands and adjoining southeast Arabian Sea, off south Karnataka and Kerala coasts. Sea conditions will be rough over Lakshadweep area and adjoining southeast Arabian Sea off south Karnataka and Kerala coasts.
- 16 March (Day 2): Thunderstorm accompanied with gusty winds and hailstorms very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds very likely at isolated places over Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Coastal Andhra Pradesh, Telangana, Rayalaseema, Interior Karnataka and interior Tamilnadu.
- 17 March (Day 3): Thunderstorm accompanied with gusty winds and hailstorm very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds very likely at isolated places over Odisha.
- 18 March (Day 4): No weather warning.
- 19 March (Day 5): No weather warning.

- The weather outlook for the period of seven days *i.e* 15 March to 23 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, Rajasthan, Coastal Karnataka, Interior Karnataka, Konkan & Goa, Kerala, Tamilnadu, Lakshadweep and North Eastern States. (Fig. 2).

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

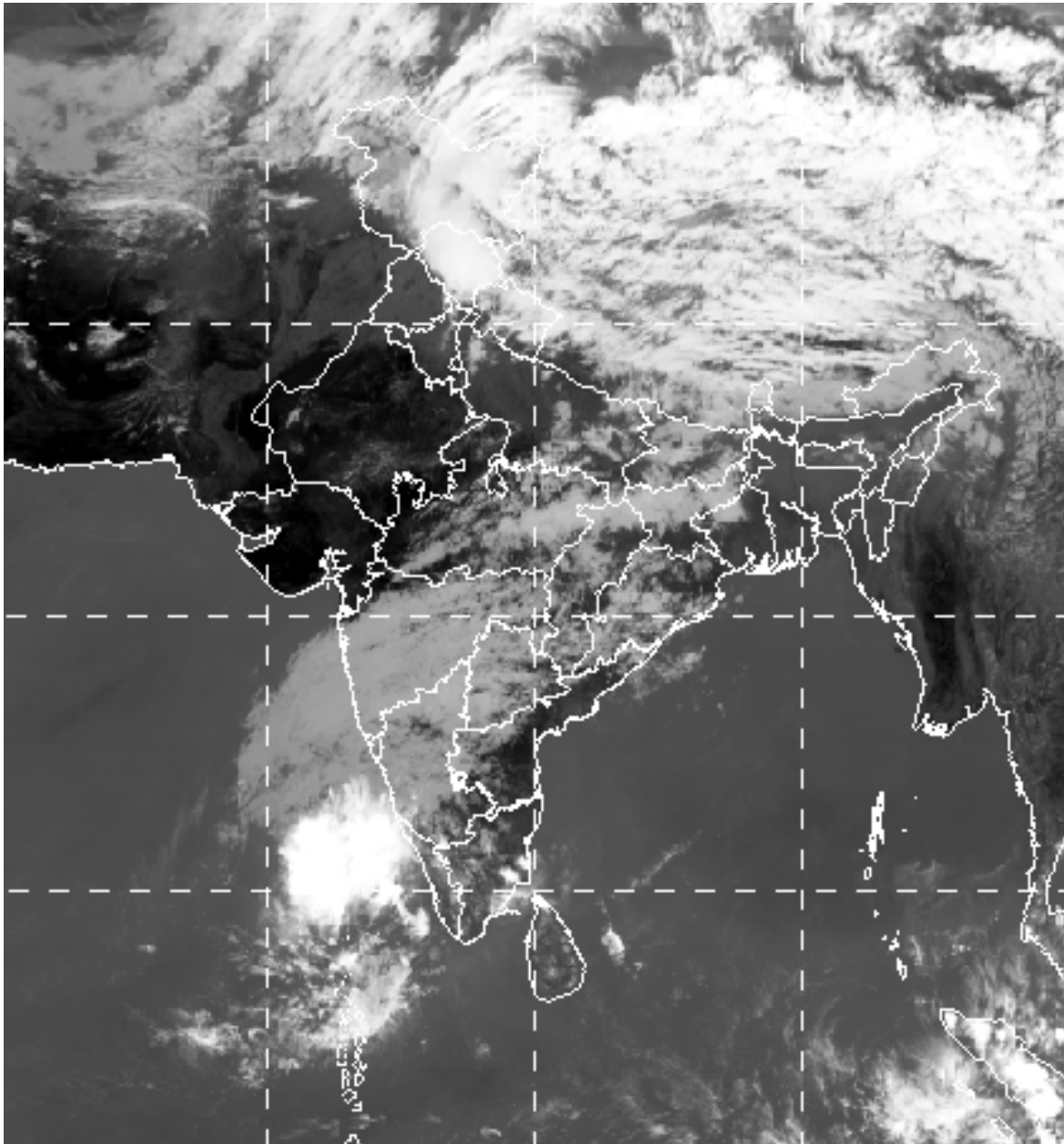
### **Marathwada region of Maharashtra**

#### **Weather condition**

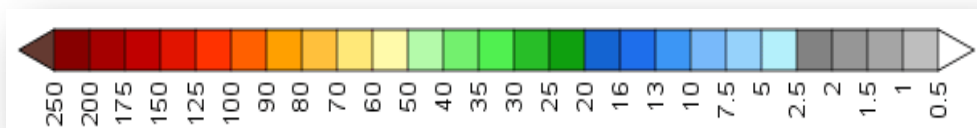
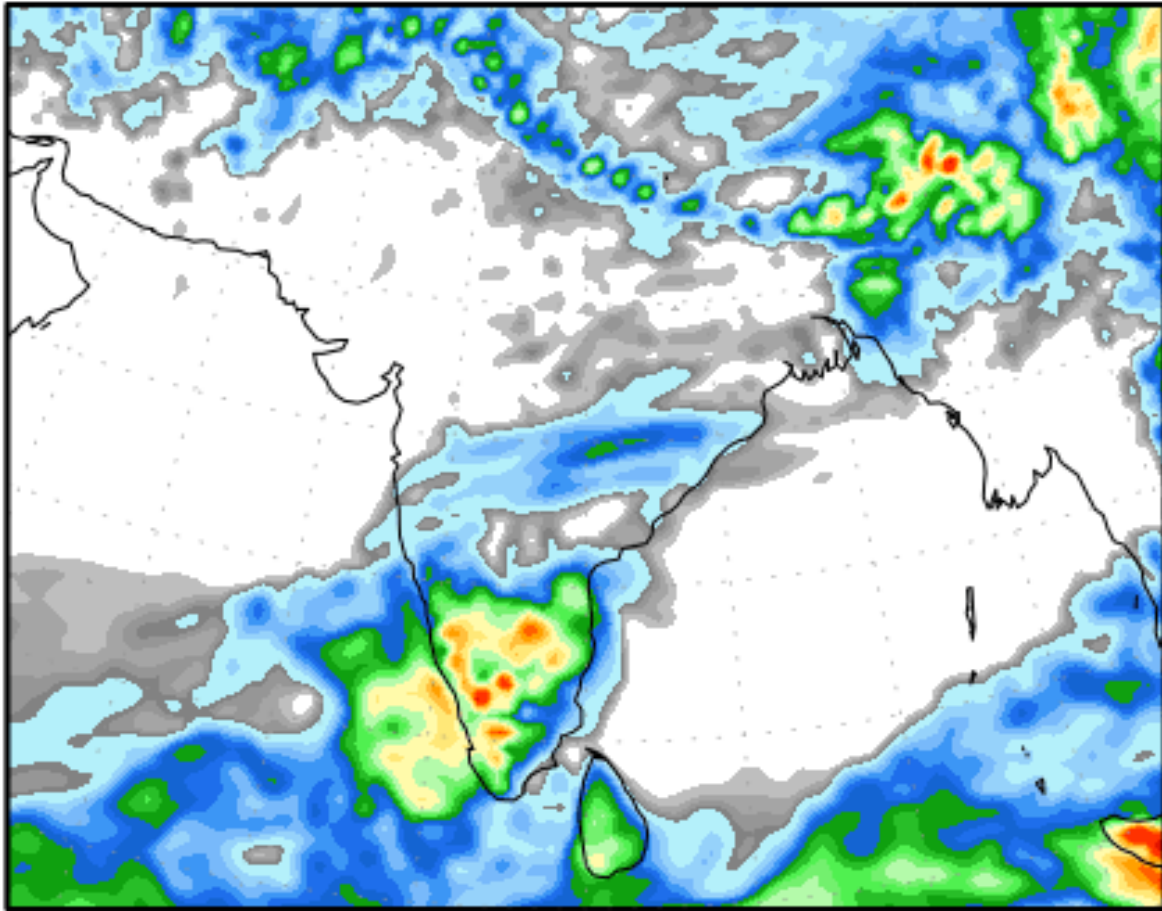
Dry weather prevailed in Marathwada region of Maharashtra state during past few days. Maximum temperatures range was from 35.8 to 37.5°C and the minimum temperature from 15.0 to 19.4°C.

#### **Contingency measure:**

- Summer sunflower: Summer Sunflower is now in flowering stage so tie up the cloth on hand and gently move on flower.
- Maize: Application of 60 kg Nitrogen / ha 30 days after sowing in maize crop.
- Wheat, Chickpea and Safflower:: Harvesting and threshing of mature wheat crop should be done.
- Citrus, Pomegranate and Sapota:: Mulching and irrigation management should be in Ambe bahar citrus orchard.
- Vegetable: Weeding and irrigation management should be done in summer vegetable crops.
- Fodder crop: To fulfill the demand of animals for fodder in summer season plantation of African tall variety of maize should be done as per availability of water. For sowing 75 kg /ha seed is sufficient seed treatment with 250 gm Azotabactor per 10 kg seed before sowing. apply 50:50:50 kg NPK fertilizer as a basal dose and 50 kg N as top dressing one month after sowing.



**Figure: 1. Latest available satellite picture as on 15 March 2018 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 15 March to 23 March 2018 (Source: NOAA NCEP).**