

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

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

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

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

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

- Conditions are becoming favourable for advance of southwest monsoon over the southern part of Andaman Sea, Nicobar Islands and adjoining southeast Bay of Bengal during 18-19th May, 2019.
- The approaching Western Disturbance is likely to affect northwest India from tonight and cause fairly widespread to widespread precipitation over Western Himalayan region and isolated to scattered rain/thundershower over adjoining plains during next 2-3 days.
- Heat wave conditions likely in isolated pockets over Vidarbha and Telangana during next 3-4 days.
- The images showing the latest satellite picture in figure. 1.

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

- Rain/Thundershowers observed (from 0830 hours IST yesterday to 0830 hours IST of today): at most places over Jammu & Kashmir, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Meghalaya; at many places over Haryana, Chandigarh & Delhi, Jharkhand and West Bengal & Sikkim; at a few places over Himachal Pradesh and at isolated places over Uttarakhand, West Rajasthan, Bihar, Odisha, Coastal Andhra Pradesh, Kerala, Tamilnadu & Puducherry and Andaman & Nicobar Islands. Thunderstorm observed (from 0830 hours of yesterday to 0830 hours IST of today): at many places over Haryana Chandigarh & Delhi; at a few places over Jammu & Kashmir, West Bengal & Sikkim and Jharkhand and at isolated places over Rajasthan, Chhattisgarh, Assam & Meghalaya, Uttarakhand, Bihar, Nagaland, Manipur, Mizoram & Tripura, Tamilnadu & Puducherry and Coastal Andhra Pradesh.
- Yesterday, Heat Wave Conditions observed in isolated pockets over Vidarbha.
- Maximum temperature departures as on 14.05.2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Gangetic West

Bengal, Coastal Andhra Pradesh and Tamilnadu & Puducherry; above normal (1.6°C to 3.0°C) at most places over Rayalaseema and North Interior Karnataka; at many places over Nagaland, Manipur, Mizoram & Tripura, Bihar, South Interior Karnataka, Kerala, Lakshadweep and Andaman & Nicobar Islands; at a few places over Jammu & Kashmir, Vidarbha, Telangana and Coastal Karnataka and at isolated places over Odisha, Madhya Maharashtra and Marathawada. They were markedly below normal (-5.1°C and more) at many places over Arunachal Pradesh; at a few places over Himachal Pradesh and Uttarakhand; appreciably below normal (-3.1°C to -5.0°C) at many places over Punjab and Haryana, Chandigarh & Delhi; below normal (-1.6°C to -3.0°C) at many places over West Rajasthan, West Uttar Pradesh; at a few places over Chhattisgarh; at isolated places over Assam & Meghalaya, East Uttar Pradesh, East Rajasthan, Madhya Pradesh, Saurashtra & Kutch and near normal over rest of the country.

- Yesterday, the highest maximum temperature of 45.2°C was recorded at Chandrapur (Vidarbha).
- Minimum temperature departures as on 15.05.2019: Minimum temperatures are above normal (1.6°C to 3.0°C) at many places over Rayalaseema, Kerala and Tamilnadu & Puducherry; at a few places over Telangana, Coastal Andhra Pradesh, Lakshadweep, Bihar, Sub-Himalayan West Bengal & Sikkim and Andaman & Nicobar Islands and at isolated places over Odisha, Jammu & Kashmir, Saurashtra & Kutch, East Madhya Pradesh and Jharkhand. They are appreciably below normal (-3.1°C to -5.0°C) at a few places over Haryana, Chandigarh & Delhi and at isolated places over Madhya Maharashtra; below normal (-1.6°C to -3.0°C) at many places over West Madhya Pradesh and West Uttar Pradesh; at a few places over Himachal Pradesh, Konkan & Goa and at isolated places over Assam & Meghalaya, Punjab and Uttarakhand and near normal over rest parts of the country.

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

- 15 May (Day 1): Thunderstorm & lightning accompanied with squall & gusty winds (50-60 kmph) at isolated places very likely over Bihar, West Bengal & Sikkim; with gusty winds (50-60 kmph) at isolated places over Coastal Andhra Pradesh; with gusty winds (40-50 kmph) at isolated places very likely over Uttarakhand, South Interior Karnataka & Tamilnadu; with gusty winds (30-40 kmph) at isolated places over Punjab, Haryana, Chandigarh & Delhi, Chhattisgarh, Jharkhand, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Telangana, Rayalaseema and Kerala. Thunderstorm/Duststorm & lightning accompanied with gusty winds (30-40 kmph) very likely at isolated places over Uttar Pradesh and Rajasthan. Heavy rainfall at isolated places very likely over Coastal Andhra Pradesh, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Heat Wave Conditions at isolated places very likely over Vidarbha and Telangana.

- 16 May (Day 2): Thunderstorm & lightning accompanied with squall & gusty winds (50-60 kmph) at isolated places very likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; with hail & gusty winds (40-50 kmph) at isolated places over Himachal Pradesh; with gusty winds (40-50 kmph) at isolated places very likely over Coastal Andhra Pradesh, Telangana & Tamilnadu & Puducherry ; with gusty winds (30-40 kmph) at isolated places over Jammu & Kashmir, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Chhattisgarh, West Bengal & Sikkim, Gujarat state and Kerala. Thunderstorm/Duststorm & lightning accompanied with gusty winds (30-40 kmph) very likely at isolated places over Rajasthan. Heat Wave Conditions at isolated places very likely over Vidarbha and Telangana.
- 17 May (Day 3): Thunderstorm & lightning accompanied with squall & gusty winds (50-60 kmph) at isolated places very likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; with hail & gusty winds (40-50 kmph) at isolated places over Himachal Pradesh; with gusty winds (30-40 kmph) at isolated places over Jammu & Kashmir. Thunderstorm/Duststorm & lightning accompanied with gusty winds (30-40 kmph) very likely at isolated places over West Rajasthan. Heat Wave Conditions in some parts over Telangana and at isolated places very likely over Vidarbha. Heavy rainfall at isolated places very likely over Assam & Meghalaya.
- 18 May (Day 4): Thunderstorm & lightning accompanied with gusty winds (30-40 kmph) at isolated places over Kerala. Heat Wave Conditions in some parts over Telangana and at isolated places very likely over Vidarbha.
- 19 May (Day 5): Heat Wave Conditions in some parts over Telangana and at isolated places very likely over Vidarbha.
- The weather outlook for the period of seven days *i.e* 15 to 22 May 2019 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Jammu & Kashmir, Uttarakhand, Himachal Pradesh, Haryana, Chandigarh & Delhi, West Bengal & Sikkim, West Rajasthan, Bihar, Jharkhand, Chhattisgarh, Odisha, Coastal Andhra Pradesh, Kerala, Tamilnadu & Puducherry, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

## Agricultural activities (AICRPAM-CRIDA)

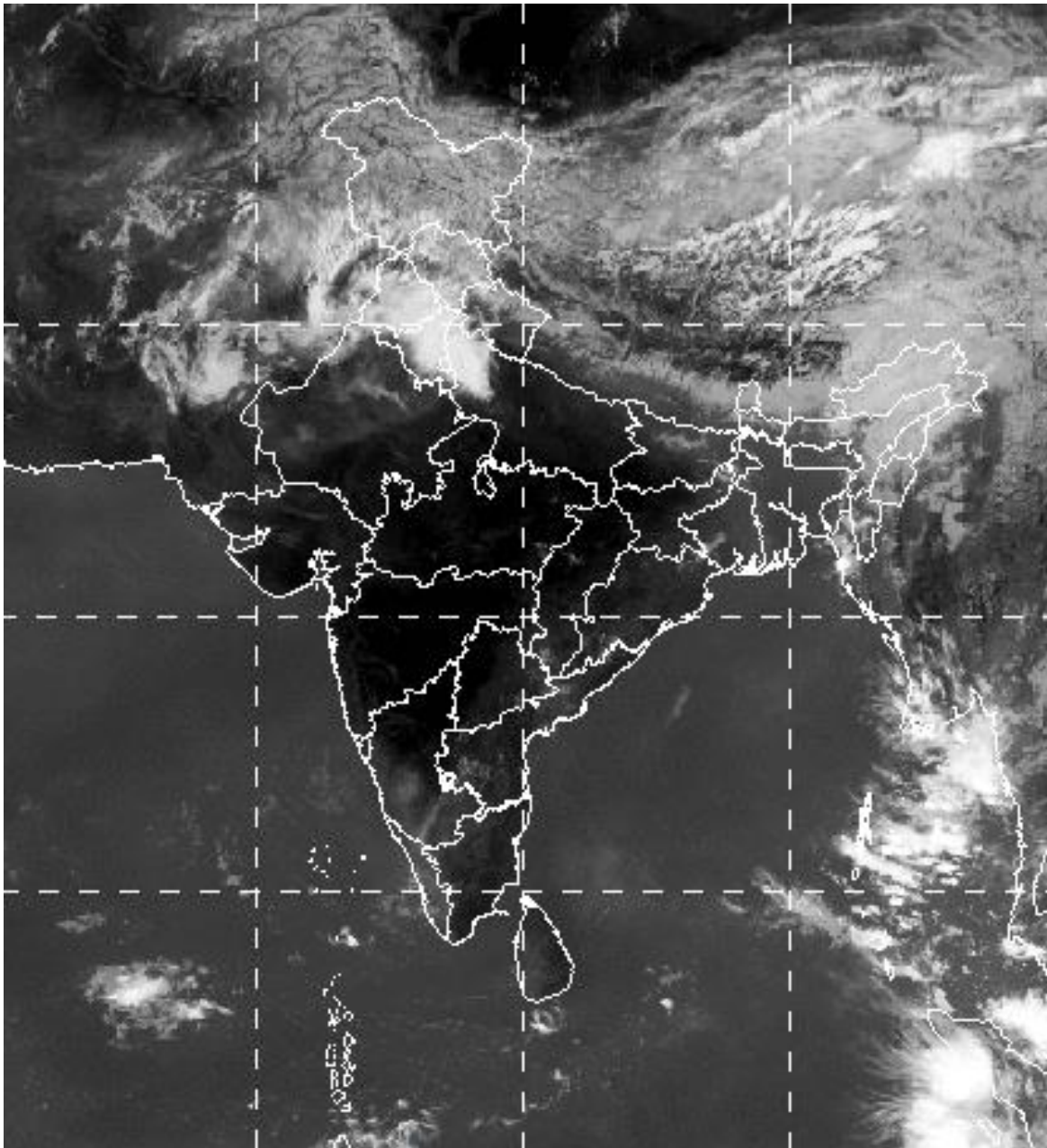
### Andhra Pradesh

#### Weather condition:

Dry weather prevailed in Andhra Pradesh state during past few days.

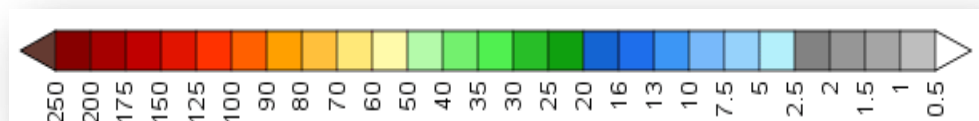
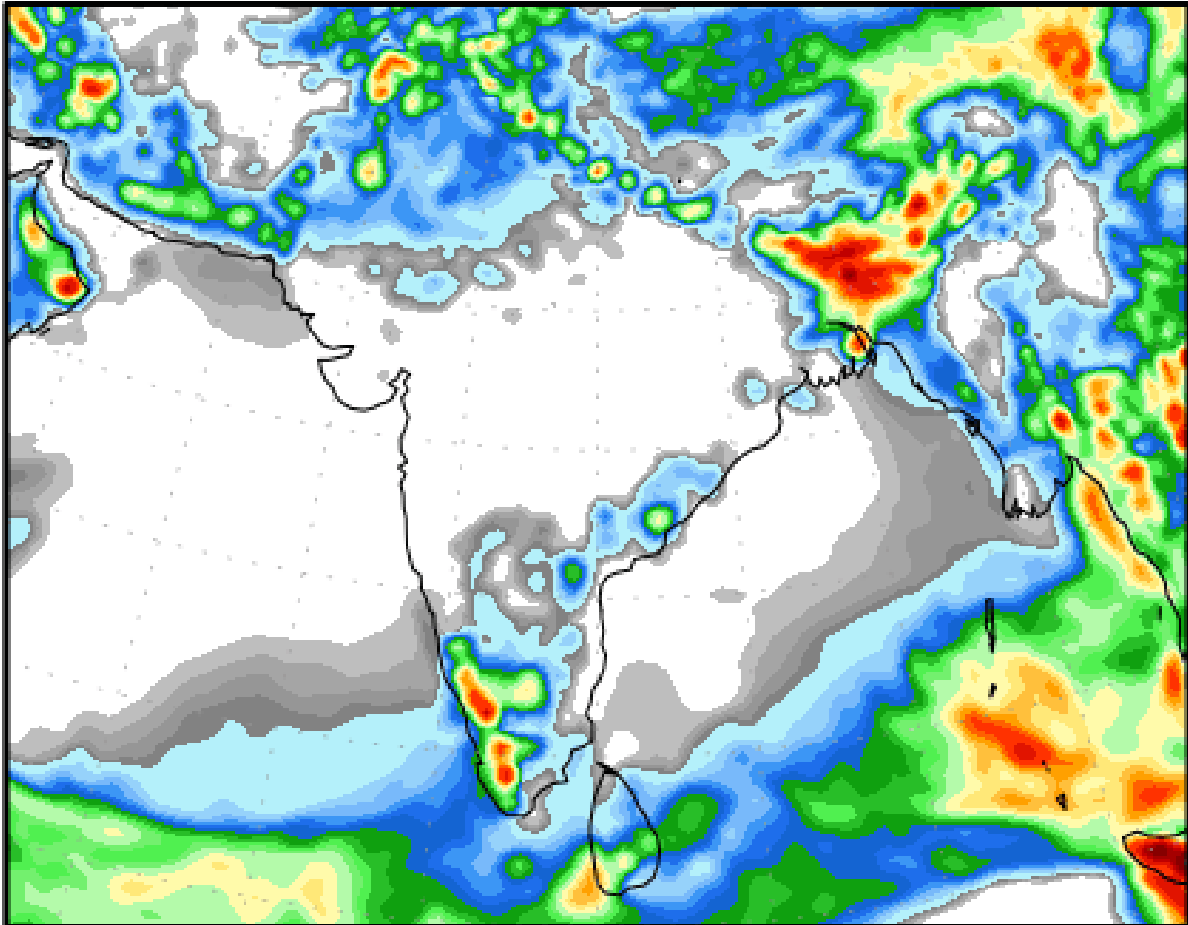
#### Contingency measure:

- Farmers are advised to go for deep Ploughing & Sub soiling. Farmers are advised to go for the soil testing for the soil test based fertilizer application in next Kharif crops.
- Prevailing temperatures are favorable for incidence of thrips in musk melon. For the control spraying of Fipronil @ 2ml/liter is recommended.
- As the day temperatures are increasing, farmers are advised to take necessary measures and protect livestock from heat stress. They are advised to avoid land preparation and draught operations during mid days and give rest for draught animals from noon to evening.
- Farmers are advised to provide drinking water to livestock at frequent intervals (4 times a day) to avoid dehydration. Arrest the ammonia smell in the sheds by arranging fans & coolers.



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

**(Source: IMD).**



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