

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

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

### **Daily Crop Weather Information as on 26 April 2018**

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

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

- High waves originated from remote locations are likely to continue over western coast of Andaman & Nicobar Islands during next 48 hours. For updates, kindly visit [www.incois.gov.in/portal/osf/osf.jsp](http://www.incois.gov.in/portal/osf/osf.jsp).
- A fresh Western Disturbance is likely to cause isolated to scattered precipitation over Western Himalayan region and isolated rainfall over northern plains from 27th April. Isolated Dust storms/ Thunderstorms are likely over plains of northwest India from today.
- Heat wave conditions are likely at some pockets over Haryana and Punjab; one or two pockets over Himachal Pradesh, north Rajasthan today and one or two pockets over Vidarbha during forecast period.
- Day maximum temperatures are likely to remain above 40°C over parts of central and adjoining eastern India and parts of Telangana, Rayalaseema and Interior Tamilnadu.
- Thunderstorm observed at isolated places over Jammu & Kashmir, Sub Himalayan West Bengal & Sikkim, Assam & Meghalaya, Tripura and Kerala from 0830 hours IST of yesterday to 0830 hours IST of today.
- The images showing the latest satellite picture in figure. 1.

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

- Rainfall observed (from 0830 hours IST of yesterday 0830 hours IST of today): Rain/thundershowers at most places over Sub Himalayan West Bengal & Sikkim; at many places over Assam & Meghalaya; at a few places over South Interior Karnataka and at isolated places over Jammu & Kashmir, Himachal Pradesh, Odisha, Tamilnadu, Kerala, Gangetic West Bengal and Andaman & Nicobar Islands.
- Maximum temperature departures as on 25.04.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C ) at most places over Punjab, West Rajasthan, Haryana, Chandigarh & Delhi; at many places over Himachal Pradesh; at a few places over Assam & Meghalaya and at isolated places over East Rajasthan and Gujarat region. above normal (1.6°C to

- 3.0°C ) at most places over Jammu & Kashmir, Jharkhand and Nagaland, Manipur, Mizoram & Tripura; at many places over West Uttar Pradesh; at a few places over Andaman & Nicobar Island, Gangetic West Bengal, Madhya Pradesh, Vidarbha, Maharashtra, Rayalaseema, Coastal Karnataka, Kerala and Tamilnadu & Puducherry and at isolated places over Saurashtra & Kutch and East Uttar Pradesh; below normal(1.6 to 3.0°C) at isolated places over Chhattisgarh and Sub Himalayan West Bengal & Sikkim and near normal over rest of the country.
- The highest maximum temperature of 44.5°C was recorded at Ganganagar(west Rajasthan) over the plains of the country.
- Minimum temperature departures as on 26.04.2018: Minimum temperatures are above normal (1.6°C to 3.0°C) at many places over Punjab; at a few places over Jammu & Kashmir and Tamilnadu & Puducherry and at isolated places over Himachal Pradesh, Haryana, Chandigarh & Delhi, Rajasthan and Kerala. They are appreciably below normal (3.1°C to 5.0°C) at many places over East Madhya Pradesh; below normal (1.6°C to 3.0°C) at many places over Madhya Maharashtra, Konkan & Goa, Chhattisgarh and Vidarbha; at a few places over West Madhya Pradesh and at isolated places over Marathwada, North Interior Karnataka, West Bengal & Sikkim and Assam & Meghalaya and near normal over rest of the country.

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

- 26 April (Day 1): Thunderstorm accompanied with squall and hail very likely at isolated places over Sub Himalayan West Bengal & Sikkim. Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya, Gangetic West Bengal, Bihar and Jharkhand. Thunderstorm accompanied with gusty winds very likely at isolated places over Uttarakhand, south Chhattisgarh, Tamilnadu, Kerala, Coastal & South Interior Karnataka, Telangana, Rayalaseema, north Coastal Andhra Pradesh and Nagaland, Manipur, Mizoram & Tripura. Dust storm/thunderstorm likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and West Rajasthan. Heat wave conditions very likely to prevail in some pockets Punjab and Haryana; in one or two pockets over Himachal Pradesh, north Rajasthan and Vidarbha. Based on the forecast generated by INCOIS, rough Sea conditions very likely to prevail along west coast of Andaman & Nicobar Islands. Fishermen and coastal population are advised to be cautious while venturing into the coastal areas along & off these regions.
- 27 April (Day 2): Thunderstorm accompanied with squall and hail very likely at isolated places over Himachal Pradesh and Uttarakhand. Thunderstorm accompanied with squall likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds very likely at isolated places over Jammu & Kashmir, West Bengal & Sikkim, Jharkhand, Bihar, South Interior Karnataka, north Coastal Andhra Pradesh, Tamilnadu and Kerala. Dust storm/thunderstorm likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Rajasthan. Heat wave conditions very likely to prevail in one or two pockets over Vidarbha. Based on the forecast generated by INCOIS, rough Sea conditions very likely to prevail along west

coast of Andaman & Nicobar Islands. Fishermen and coastal population are advised to be cautious while venturing into the coastal areas along & off these regions.

- 28 April (Day 3): Thunderstorm accompanied with squall and hail likely at isolated places over Uttarakhand and Sub Himalayan West Bengal & Sikkim. Thunderstorm accompanied with squall likely at isolated places over Gangetic West Bengal, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds likely at isolated places over Jammu & Kashmir, Bihar and Jharkhand. Dust storm/thunderstorm likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and East Rajasthan. Heat wave conditions very likely to prevail in one or two pockets over Vidarbha.
- 29 April (Day 4): Heavy rain likely at isolated places over Sub Himalayan West Bengal & Sikkim, Assam & Meghalaya and Tripura. Thunderstorm accompanied with squall likely at isolated places over Himachal Pradesh, Bihar and Gangetic West Bengal. Thunderstorm accompanied with gusty winds likely at isolated places over East Uttar Pradesh and Jharkhand. Heat wave conditions very likely to prevail in one or two pockets over Vidarbha.
- 30 April (Day 5): Heavy rain likely at isolated places over West Bengal & Sikkim, Nicobar Islands, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with squall likely at isolated places over Bihar. Thunderstorm accompanied with gusty winds likely at isolated places over Jharkhand. Heat wave conditions very likely to prevail in one or two pockets over Vidarbha.
- The weather outlook for the period of seven days *i.e* 26 April to 03 May 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, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Odisha, South Interior Karnataka, Tamilnadu, Kerala, Andaman & Nicobar Islands and North eastern States. (Fig. 2).

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

### **Tamil Nadu**

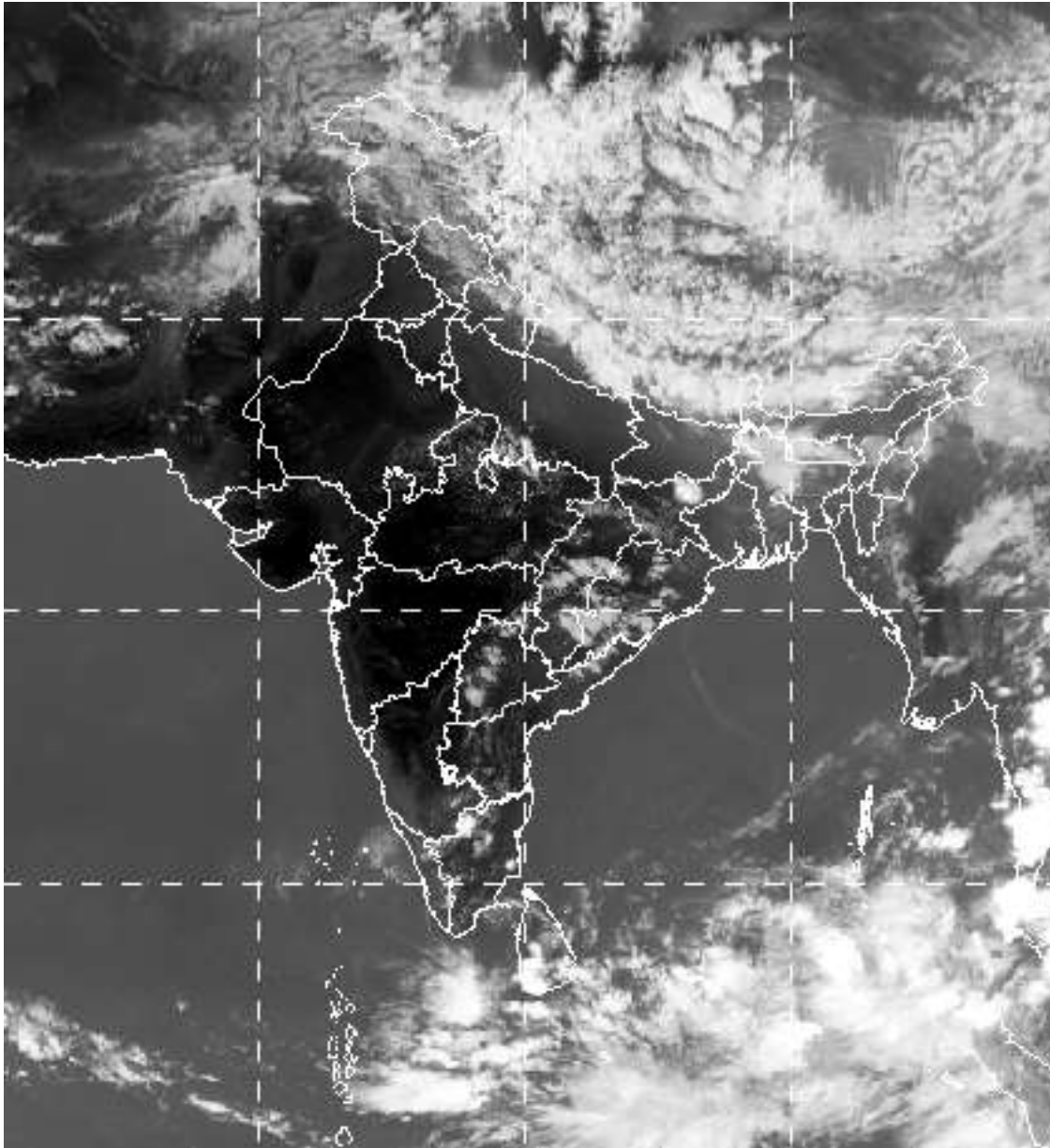
#### **Weather condition**

Dry weather prevailed in Tamil Nadu state during this past few days. Maximum temperature across the week was 2.0°C below normal and the minimum temperature was 0.2°C below normal.

#### **Contingency measure:**

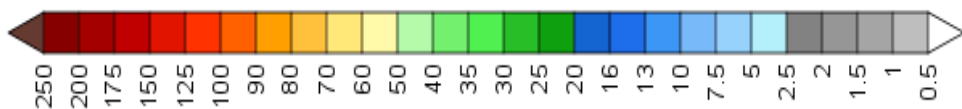
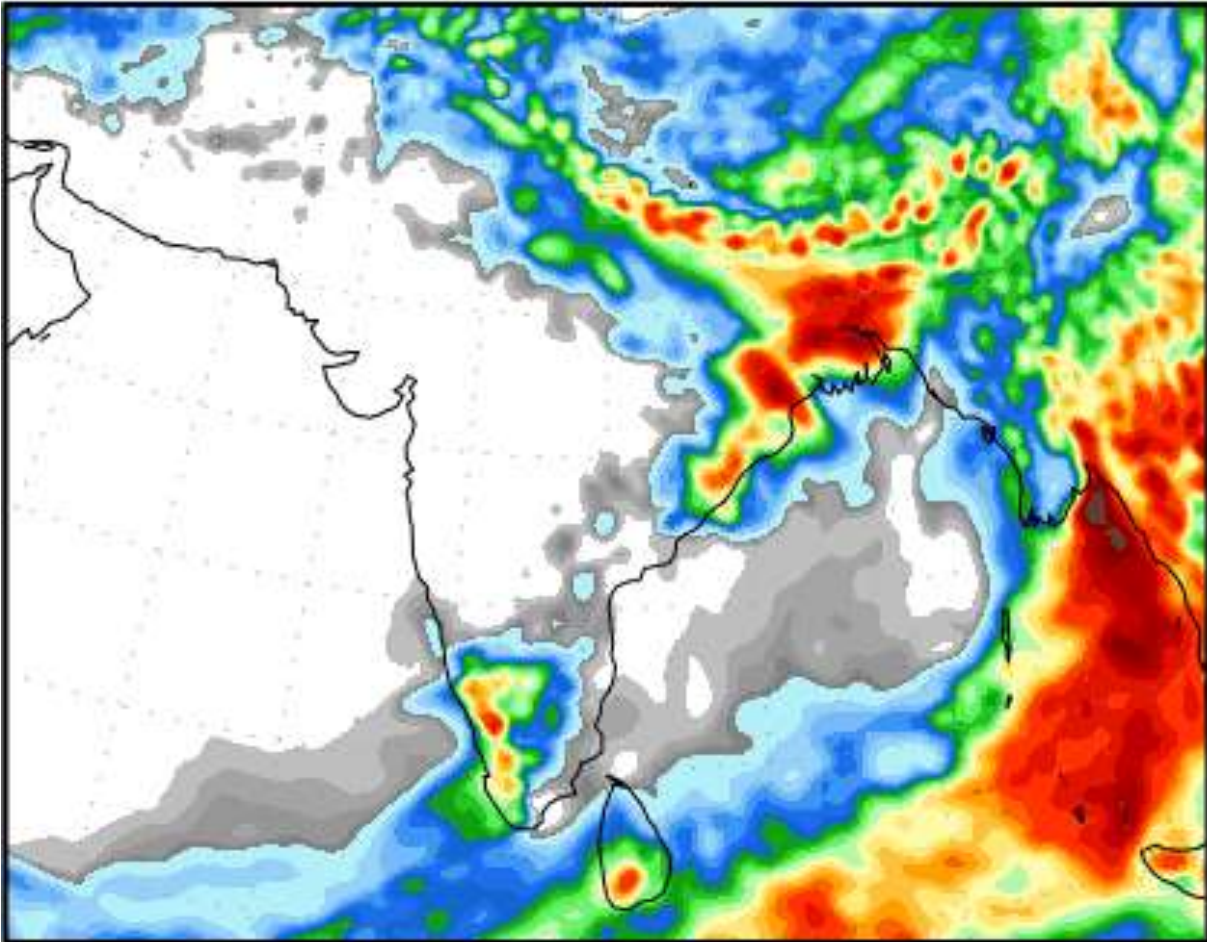
- Farmers are advised to go for mulching to preserve the soil moisture for the crop growth.

- General - Summer Ploughing: Summer ploughing is advised to improve the infiltration rate of soil as well as to control the weed growth by utilizing the unexpected rainfall during summer months.
- Green manure crop: Raise green manure crop by using unexpected rainfall during summer months. Wind & temperature - High wind speed and hot days expected in coming days.
- Banana - Bunch development stage. Use transparent polyethylene sleeves with 4% ventilation to cover the bunch immediately after opening of last hand to blemish free fruits with uniform size and quality. Prevailing weather condition is favorable for stem weevil incidence. Spraying of Monocrotophos 36 WSC @ 1 ml/ lit of water.
- Rice: The right stage for harvesting is when about 80% panicles have 80 % ripened spike lets and their upper portion is straw colored. The grain contains about 20% of moisture.
- Flower crop: Maligai. Prevailing weather is favorable for bud worm incidence. to control the spray any one of the chemical Thiochlorid (Alanto) 240SC @ 1 ml/litre or Spinosad (Tracer) @ 0.5 ml/lit or Spray Profenophos 25EC @ 2 ml/lit or Spray neem seed kernel extract 5 %.
- Animal Husbandry : In order to mitigate the effect of high temperature on animals provide adequate cool drinking water and green fodder and spray water on gunny bags surrounding the cattle shed. ? Vaccine for foot and mouth disease to the cattle is advised as prophylactic measure by utilizing the facility from nearby veterinary hospital.



**Figure: 1. Latest available satellite picture as on 26April 2018 at 0230 Hrs (IST).  
(Source: IMD).**





**Figure: 2. Precipitation forecast for 26 April to 03 May 2018 (Source: NOAA NCEP).**