

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

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

### **Daily Crop Weather Information as on 03 April 2021**

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

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

- The Depression over north Andaman Sea & neighbourhood moved north-northeastwards with a speed of 12 kmph during past 06 hours and lay centred at 0830 hrs IST of today, the 03rd April, 2021 over north Andaman Sea off south Myanmar coast near latitude 13.2°N and longitude 97.6°E, about 550 km east-northeast of Port Blair (Andaman Islands), 420 km south-southeast of Yangon (Myanmar). It is likely to continue to move north-northeastwards towards Myanmar coast and weaken into a Well Marked Low Pressure Area over north Andaman Sea and adjoining areas of south Myanmar coast during next 06 hours. Under its influence, scattered light to moderate rainfall very likely over Andaman & Nicobar Islands during next 24 hours. Fishermen are advised not to venture into north Andaman Sea during next 12 hours.
- Heat wave conditions likely in some pockets over Coastal Andhra Pradesh & Yanam and Tamilnadu, Puducherry & Karaikal during next 2 days and in isolated pockets during subsequent 3 days; in isolated pockets over Telangana and Rayalseema during next 2 days; over Saurashtra & Kutch during next 24 hours; over West Rajasthan during 04th-05th April and over Vidarbha during 05th-07th April. Severe Heat Wave conditions also likely in some pockets over Coastal Andhra Pradesh & Yanam during next 2 days.
- A fresh Western Disturbance is very likely to affect Western Himalayan Region from 04th April onwards. Under its influence: scattered to widespread rainfall likely over Western Himalayan Region during 04th-07th April with isolated thunderstorm, lightning/gusty winds/hailstorm over the region during 05th-07th April. Isolated heavy rainfall also likely over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad and Himachal Pradesh on 06th April and over Uttarakhand on 07th April.
- Dust raising winds (speed reaching 30-40 kmph) likely at isolated places over Rajasthan during 05th-07th April.
- The images showing the latest satellite picture in the figure. 1.

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

- Rain/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at a few places over Andaman & Nicobar Islands and Arunachal Pradesh and at isolated places over Assam & Meghalaya.
- Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over Assam & Meghalaya.
- Heat Wave Condition with Severe Heat Wave Condition in many pockets observed over south Coastal Andhra Pradesh and in isolated pockets over north Tamil Nadu and Heat Wave Condition in isolated pockets over Gangetic West Bengal, Telangana and Rayalaseema.
- Maximum Temperature Departures as on 02-04-2021: Maximum temperatures were markedly above normal (5.1°C or more) at a few places over Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal; appreciably above normal (3.1°C to 5.0°C) at many places over Saurashtra & Kutch; at isolated places over Gangetic West Bengal, Odisha, Vidharbha and Telangana; above normal (1.6°C to 3.0°C) at most places over Jharkhand; at many places over Assam & Meghalaya, Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim, Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad, Madhya Pradesh, Chhattisgarh and Coastal Karnataka; at a few places over Bihar, Rajasthan, Gujarat Region and at isolated places over Konkan & Goa. They were appreciably below normal (-3.1°C to -5.0°C) at many places over Andaman& Nicobar Islands and below normal (-1.6°C to -3.0°C) at isolated places over Himachal Pradesh and East Uttar Pradesh and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 43.6°C was reported at Chandrapur (Vidarbha) over the country.
- Minimum Temperature Departures as on 03-04-2021: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places over Coastal Andhra Pradesh & Yanam; above normal (1.6°C to 3.0°C) at many places over Odisha and Saurashtra & Kutch; at a few places over Gangetic West Bengal and Tamil Nadu, Puducherry & Karaikal; at isolated places over West Rajasthan, Marathawada, Telangana and Kerala & Mahe. They are markedly below normal (-5.1°C or less) at many places over Haryana, Chandigarh & Delhi; appreciably below normal (-3.1°C to -5.0°C) at many places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad and Uttrakhand; at a few places over Punjab and Uttar Pradesh; at isolated places over Himachal Pradesh, Bihar, East Rajasthan and East Madhya Pradesh; below normal (-1.6°C to -3.0°C) at a few places over West Madhya Pradesh; at isolated places over Vidharbha, Telangana and Interior Karnataka and

near normal over rest parts of the country. Today, the lowest minimum temperature of 4.8°C reported at Pantnagar (Uttarakhand) over the plains of the country.

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

- 03 April (Day 1): Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph) very likely at isolated places over Gangetic West Bengal, Odisha, Arunachal Pradesh, Assam & Meghalaya and Coastal Andhra Pradesh & Yanam and with lightning at isolated places over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Heat Wave Conditions to Severe Heat Wave Conditions very likely in some pockets over south Coastal Andhra Pradesh & Yanam; Heat Wave Conditions in some pockets over Tamil Nadu, Puducherry & Karaikal and in isolated pockets over Saurashtra & Kutch, east Telangana and southeast Rayalaseema. Squally winds (speed reaching 40-50 kmph gusting to 60 kmph) very likely over north Andaman Sea during next 06 hours and decrease thereafter. Sea Conditions will be Rough to Very Rough over the same area during next 06 hours and improve thereafter. Strong Winds (speed reaching 40-50 kmph) very likely over Gulf of Mannar and along & off south Tamil Nadu coast. Fishermen are advised not to venture into these area.
- 04 April (Day 2): Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph) very likely at isolated places over Gangetic West Bengal, Odisha and Coastal Andhra Pradesh & Yanam and with lightning at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Arunachal Pradesh, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Heat Wave Conditions to Severe Heat Wave Conditions very likely in some pockets over south Coastal Andhra Pradesh & Yanam; Heat Wave Conditions in some pockets over Tamil Nadu, Puducherry & Karaikal and in isolated pockets over West Rajasthan, east Telangana and southeast Rayalaseema.
- 05 April (Day 3): Thunderstorm with lightning, hail & gusty winds (speed reaching 30-40 kmph) very likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Himachal Pradesh; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Uttarakhand, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Heat Wave Conditions very likely in isolated pockets over Rajasthan, Vidarbha, south Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal.
- 06 April (Day 4): Thunderstorm with lightning, hail & gusty winds (speed reaching 30-40 kmph) likely at isolated places over Jammu & Kashmir, Ladakh,

Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh and Uttarakhand; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Punjab, Haryana, Chandigarh & Delhi, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe and with lightning at isolated places over South Interior Karnataka and Lakshadweep. Thunderstorm/Duststorm with gusty winds (speed reaching 30-40 kmph) likely at isolated places over West Rajasthan. Heat Wave Conditions likely in isolated pockets over Vidarbha, south Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal. Heavy rainfall/snowfall likely in isolated pockets over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Himachal Pradesh.

- 07 April (Day 5): Thunderstorm with lightning, hail & gusty winds (speed reaching 30-40 kmph) likely at isolated places over Uttarakhand; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe with lightning over West Uttar Pradesh, Coastal & South Interior Karnataka and Lakshadweep. Heat Wave Conditions likely in isolated pockets over south Madhya Pradesh, Vidarbha, Tamil Nadu, Puducherry & Karaikal and south Coastal Andhra Pradesh & Yanam. Heavy rainfall/snowfall likely in isolated pockets over Uttarakhand.
- The weather outlook for seven days i.e., 03 Apr to 11 April 2021 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) rain/thundershower may occur over Some parts of Extreme northern parts of India. (Fig. 2).

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

### **Western U.P**

#### **Weather condition:**

Light cloud coverage only 31 March and 4 April and rest days weather will be mainly dry and hot, no rainfall forecast during this week. Maximum and minimum temperature may be expected 2-3 0C higher than its normal. North westerly winds may be expected and prevailing 5 to 6 km higher than its normal during this week as per forecast.

#### **Contingency measure:**

- Wheat: Weather will be hot and dry during this week farmers are advised harvest mature crop. Late sown wheat light irrigation should be given at milking stage in evening time.
- Barley :Weather will be hot and dry during this week farmers are advised

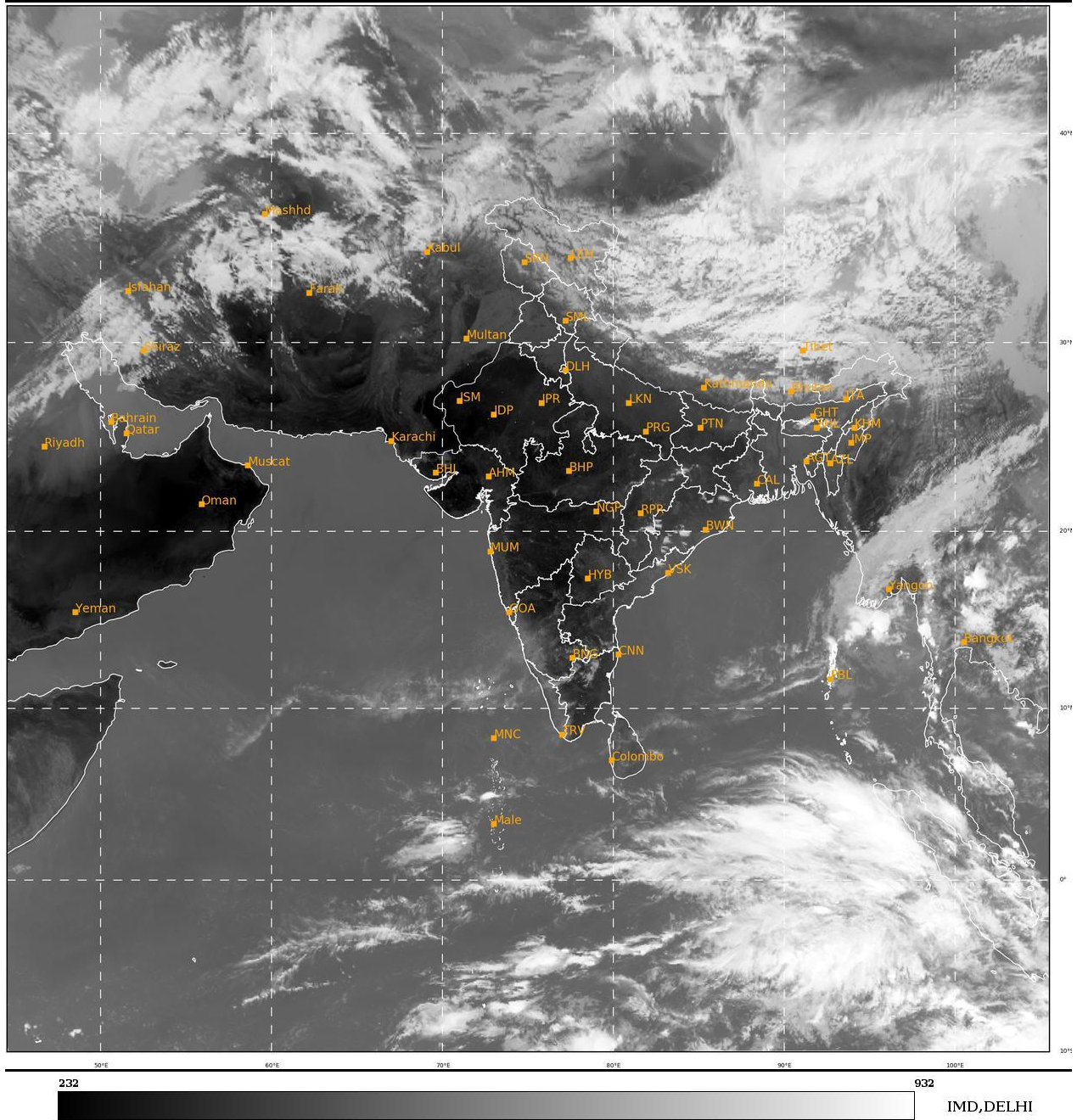
harvesting and threshing should be done.

- Rabi maize: Harvest mature crop and light irrigation should be given at dough stage in the evening time.
- Pigeon pea: Harvest mature crop. Pea: Harvesting and threshing should be done.
- Gram: Harvesting and threshing should be done.
- Lentil: Harvesting and threshing should be done.
- Zaid Urd and Moong: Sowing should be done as early as possible.
- Linseed: Harvesting and threshing should be done.
- Brinjal / Chilies: Pick up mature fruits in standing crop. Watchful insect and pest due to cloudy weather and higher temperature. Light irrigation should be given.
- Leafy Vegetable: Cutting , marketing ,watchful insect and pest due to cloudy weather and higher temperature. light irrigation should be given.
- Barseem : Stop cutting if crop used for seed production and light moisture should be maintained .
- Animal : Balanced diet should be given for milch animal. Fresh water used for dirking 2 or 3 time and bathing should be taken up at morning. The routine immunization of animals becomes necessary since disease decrease milk production capacity among milch animals if need concerned near Veterinary hospital.

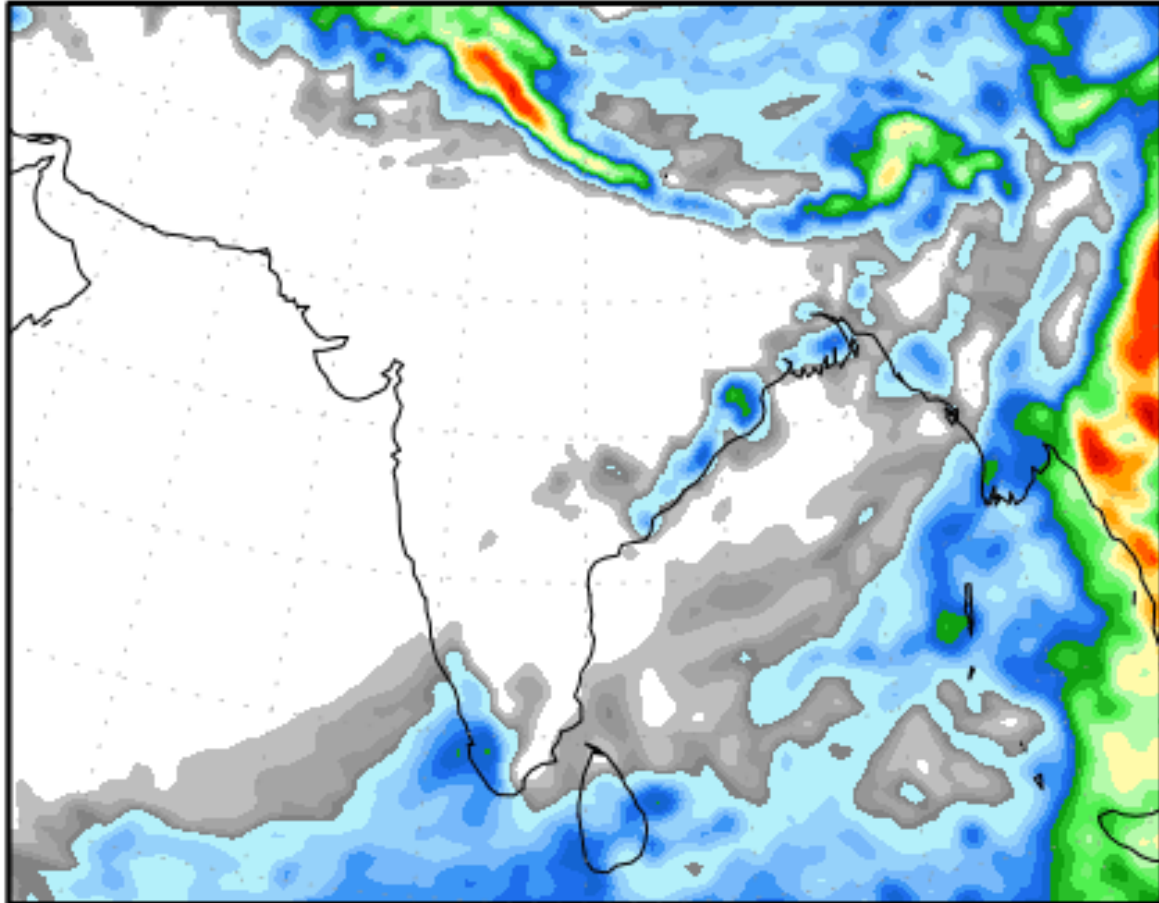


SAT : INSAT-3D IMG  
IMG\_TIR1 10.8 um  
LIC Mercator

03-04-2021/(0800 to 0826) GMT  
03-04-2021/(1330 to 1356) IST



**Figure: 1. Latest available satellite picture as on 03 April 2021 at 1356 Hrs (IST). (Source: IMD).**



**Figure:2. Precipitation forecast for 03 Apr to 11 Apr 2021 (Source: NOAA NCEP).**

*Disclaimer: The predictability of weather depends on many dynamic factors. The success of Agromet advisories provided here depends on the accuracy of the forecasts. In no event will India Meteorological Department (IMD) and Indian Council of Agricultural Research (ICAR) be liable to the user or any third party for any direct, indirect, incidental, consequential, special or exemplary damages or lost profit resulting from any use or misuse of the information on this bulletin.*