

# All India Coordinated Research Project on Agrometeorology

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

## Daily Crop Weather Information as on 26 October 2021.

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

### Significant Weather Features (IMD)

- A cyclonic circulation lies over Southeast Bay of Bengal. It is likely to move westwards. Under its influence, a Low Pressure Area is likely to form over central parts of South Bay of Bengal during next 24 hours.
- A trough in easterly runs from Southeast Arabian Sea off Kerala coast to Eastcentral Arabian Sea off Karnataka coast in lower levels.
- Under the influence of above systems:
  - (i) Isolated heavy rainfall very likely over Tamilnadu, Puducherry & Karaikal and Kerala & Mahe during 26th-30th; over South Interior Karnataka and Rayalaseema on 29th & 30th; over Coastal Andhra Pradesh during 28th-30th October, 2021.
  - (ii) Light to moderate scattered to widespread rainfall with thunderstorm & lightning very likely over Kerala & Mahe, Coastal & South Interior Karnataka and Tamilnadu, Puducherry & Karaikal 26th-30th ; Coastal Andhra Pradesh and Rayalaseema on 29th & 30th October, 2021.
- Mainly dry weather very likely to prevail over most parts of Northwest, Central & West India and parts of East India during next 6-7 days.
- The images showing the latest satellite picture in the figure. 1.

### Main Weather Observations (IMD)

- Rainfall/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at most places over Kerala & Mahe; at many places over Andaman & Nicobar Islands and Coastal Karnataka; at a few places over Tamilnadu, Puducherry & Karaikal and Arunachal Pradesh and at isolated places over Bihar, Interior Karnataka, Coastal Andhra Pradesh, West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Goa, Uttarakhand, East Uttar Pradesh and Jammu, Kashmir, Ladakh, Gilgit- Baltistan & Muzaffarabad.
- Significant amount of Rainfall (from 0830 hours IST of yesterday to 0830 hours IST of today) (more than 6 cm): Tamilnadu: Erode, Toothukudi-11, Tiruppur-8, Theni-7; Kerala: Alapuzha, Palakkad-8 each, Ernakulam-7.

- Heavy Rainfall reported (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over Kerala and Tamilnadu.
- Thunderstorm observed (from 0830 hrs IST of yesterday to 0830 hrs IST of today): at a few places over Kerala & Mahe; at isolated places over Tamilnadu and Coastal Karnataka.
- Maximum Temperature Departures as on 25-10-2021: Maximum temperatures were above normal (1.6°C to 3.0°C) at isolated places over Assam & Meghalaya, Gangetic West Bengal, Odisha, Coastal Andhra Pradesh, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe. They were markedly below normal (-5.1°C or less) at many places over West Rajasthan and at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad; appreciably below normal (-3.1°C to -5.0°C) at isolated places over Saurashtra & Kutch, East Rajasthan, Haryana, Chandigarh & Delhi, Madhya Pradesh and Andaman & Nicobar islands; below normal (-1.6°C to -3.0°C) at many places over Himachal Pradesh & Punjab; at a few places over Gujarat region and Konkan and at isolated places over UttarPradesh & Bihar and near normal at rest parts of the country. Yesterday, the maximum Temperature 34.6°C was reported at Dessa (Gujarat region) and Khajuraho (East Madhya Pradesh).
- Minimum Temperature Departures as on 26-10-2021: Minimum Temperatures are markedly above normal (5.0°C or more) at isolated places over East Rajasthan; appreciably above normal (3.1°C to 5.0°C) at a few places over Andaman & Nicobar Islands, West Madhya Pradesh and Bihar; above normal (1.6°C to 3.0°C) at many places over Jharkhand, Gangetic West Bengal and East Uttar Pradesh; at a few places over Karnataka, Rayalaseema and East Madhya Pradesh and at isolated places over Tamilnadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Gujarat Region and Assam & Meghalaya. They were appreciably below normal (-3.1°C to -5.0°C) at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad; below normal (-1.6°C to -3.0°C) at a few places over Saurashtra & Kutch and Telangana and at isolated places over West Rajasthan, Vidarbha, Madhya Maharashtra and West Uttar Pradesh and near normal over rest parts of the country. Today, the lowest minimum Temperature of 14.0°C is reported at Mandla (East Madhya Pradesh) over the plains of the country.

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

- 26 October (Day 1): Heavy rainfall very likely at isolated places over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.  
Thunderstorm accompanied with lightning very likely at isolated places over Sikkim, Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka and Kerala & Mahe.
- 27 October (Day 2): Heavy rainfall very likely at isolated places over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.

Thunderstorm accompanied with lightning very likely at isolated places over Sikkim, Tamil Nadu, Puducherry & Karaikal, Coastal Karnataka and Kerala & Mahe. Squally weather (speed reaching 40-50 kmph gusting to 60 kmph) very likely over Southwest Bay of Bengal.

- 28 October (Day 3): Heavy rainfall very likely at isolated places over Coastal Andhra Pradesh & Yanam, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.

Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Squally weather (speed reaching 40-50 kmph gusting to 60 kmph) very likely over Southwest Bay of Bengal, Gulf of Mannar and Coastal Tamilnadu.

- 29 October (Day 4): Heavy to very heavy rainfall likely at isolated places over Tamil Nadu, Puducherry & Karaikal and heavy rainfall at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, South Interior Karnataka and Kerala & Mahe .

Thunderstorm accompanied with lightning likely at isolated places over Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka and Kerala & Mahe.

Squally weather (speed reaching 40-50 kmph gusting to 60 kmph) likely over Gulf of Mannar and Tamilnadu-Andhra Pradesh coasts.

- 30 October (Day 5): Heavy rainfall likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe .

Thunderstorm accompanied with lightning likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Squally weather (speed reaching 40-50 kmph gusting to 60 kmph) likely over-Andhra Pradesh coast.

- The weather outlook for seven days i.e., 26 Oct to 02 Nov 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)

### Gujarat

#### Weather condition:

The actual maximum temperature was 1.1 °C lower and the actual minimum temperature was 1.2 °C higher as compare to their normals. Total BSS was 48.4 hrs. with an average of 8.3 hrs. The daily average evaporation and wind speed was 4.2 mm and 3.0 km/hr respectively. The daily average RH during morning and afternoon was 82.9 % and 38.4 % respectively.

#### Contingency measure:

- Mustard Land preparation is done by preparing the land for sowing by and applying FYM. Procure certified seed @ 4 kg/ha of any recommended mustard cultivar viz., Gujarat Mustard 1 or 2 or 3 or GDM 4 or 5 or Bio-902. Apply Basal dose of nitrogen @ 25 kg/ha, Phosphorus @50 kg/ha. At the time of sowing. Sowing distance should be kept 45 cm between the rows and seed rate should be 4 kg/ha.
- Pearl millet is in maturity/harvesting stage protect the crop from bird damage. Harvest the mature crop and keep in the field for sun dry.
- In Tobacco gap filling, inter-culturing and hand weeding in established transplanted crop is advised.
- In Paddy harvest mature crop and keep in the field for sun dry. Threshing and winnowing of harvested dry paddy and send to market.
- In Chilli is that control of thrips advised to spray Profenofos 20 ml or neem seed oil 50 ml in 10 liter water. In case of severe attack, spray Spinosad or Spinetoram 3 ml per 10 liter of water.
- The Castor is in vegetative Growth stage Cercospora leaf spot disease is caused by cercospora fungus. For controlling of this disease mencozeb 75% WP 25gm in 10 lit of water should be sprayed.
- Vegetable Crops are in growth stages due to variable weather, farmers are advised to constant monitoring against attack of pest and disease in vegetable crop, if symptom are observed take protection measures as per recommendation when sky remain clear.
- In mango the farmers are advised to clean the orchards by removing dead plant debris from the field.
- Cattle: Provide adequate fodder and keep the animals in clean shed. Give stored fodder balanced mineral mixture in diet.

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

26-10-2021/(0830 to 0856) GMT  
 26-10-2021/(1400 to 1426) IST

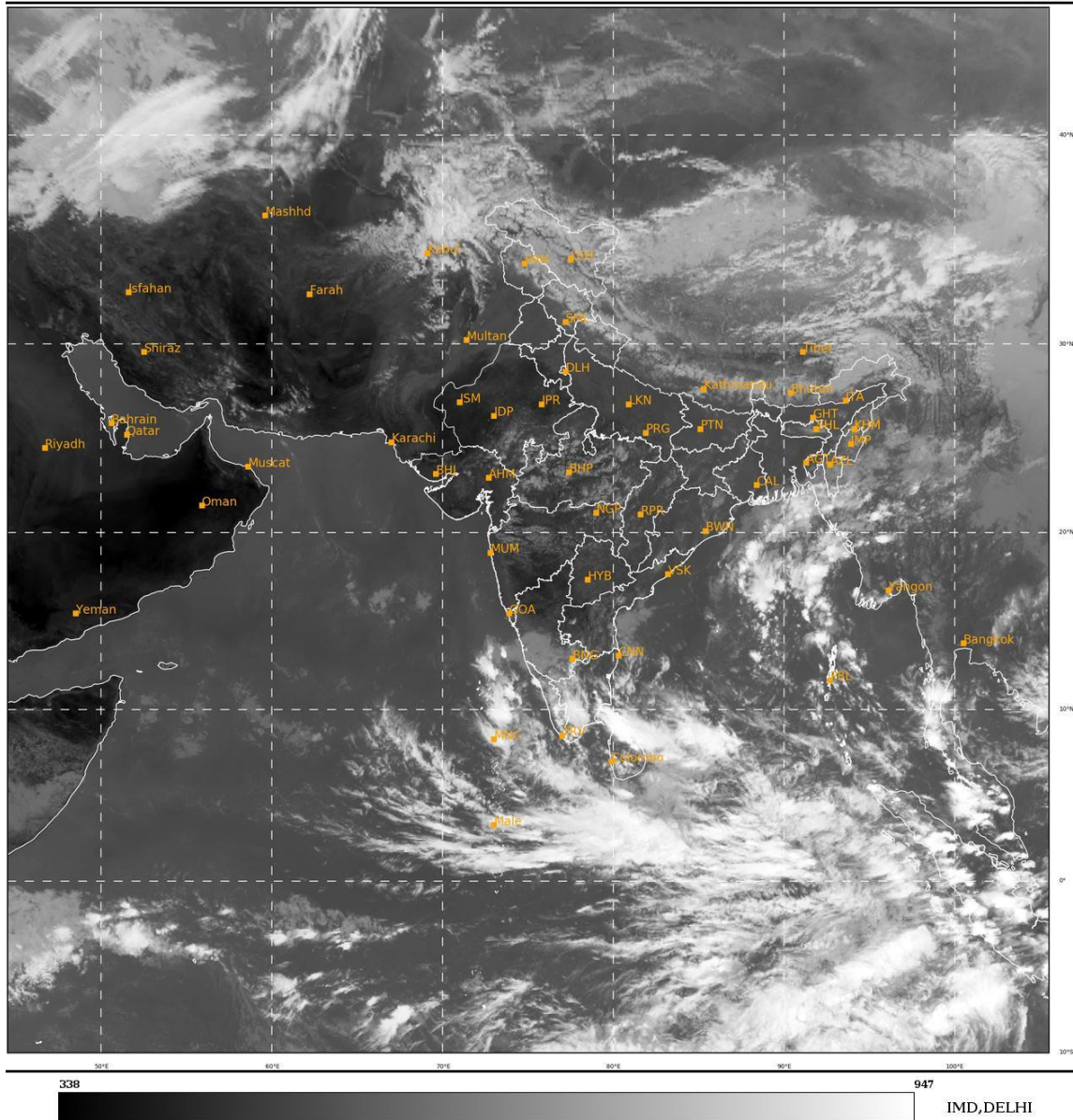
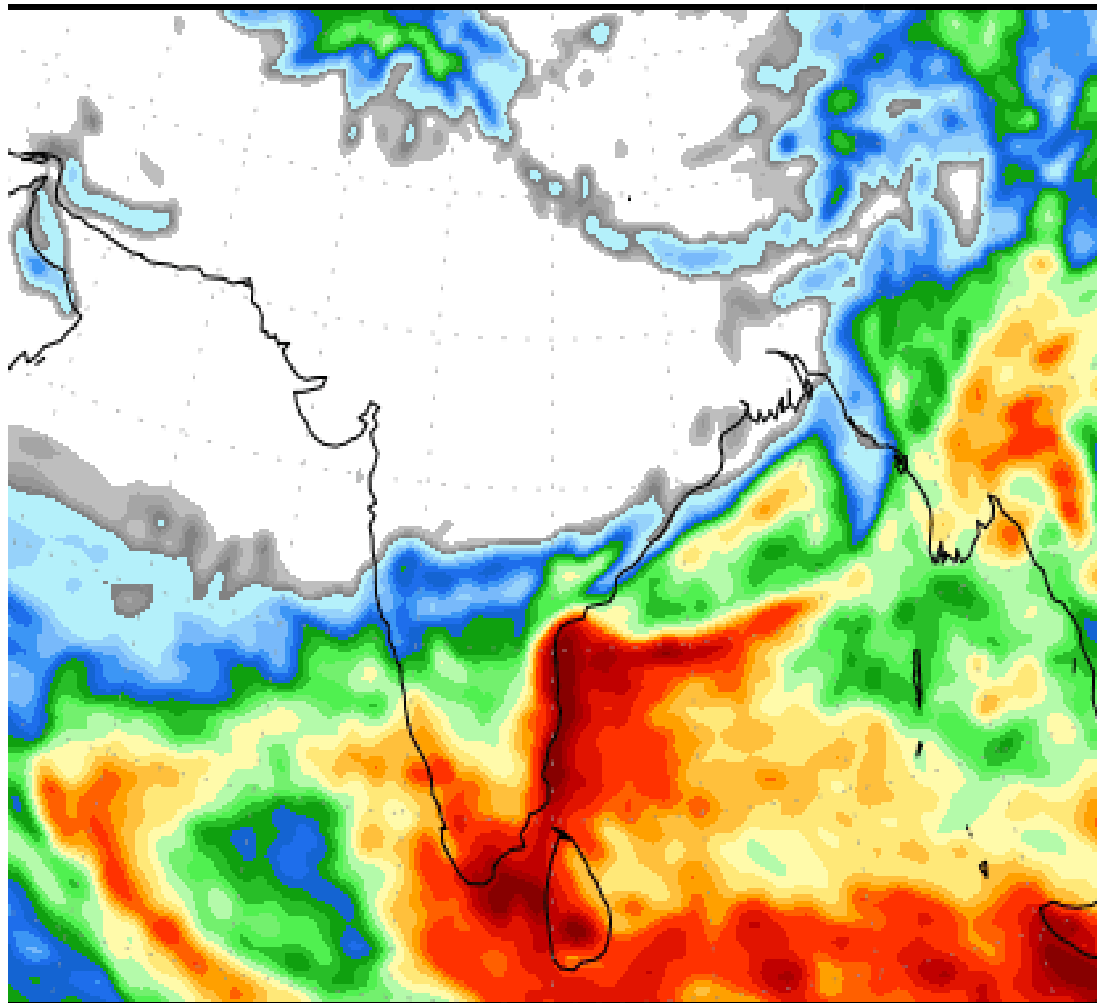


Figure: 1. Latest available satellite picture as on 26 Oct 2021 at 1400 Hrs (IST). (Source: IMD).





**Figure:2. Precipitation forecast for 26 Oct to 03 nov 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.*