

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 01 November 2021

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- A Low Pressure Area lies over Comorin area & adjoining north Sri Lanka coast. Associated cyclonic circulation extends upto 3.1 km above mean sea level. It is likely to emerge into Southeast Arabian Sea during next 48 hours. Thereafter it is likely to move north-northwestwards and become more marked during the subsequent 48 hours.
- Under the influence of the above system and strengthening of lower level easterlies over north Peninsular India:
 - i) Very heavy rainfall at isolated places very likely over south interior and coastal Tamilnadu, Puducherry & Karaikal on 01st November and over Kerala & Mahe on 02nd & 03rd November, 2021.
 - ii) Isolated heavy rainfall over Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and South Interior Karnataka during next 4-5 days; over Coastal Karnataka during next 3 days; over Lakshadweep on 02nd & 03rd November; over Coastal Andhra Pradesh & Yanam, Rayalaseema and Telangana on 01st & 02nd November and over North Interior Karnataka on 05th November, 2021.
 - iii) Scattered rainfall with isolated thunderstorm and lightning are likely over south Konkan & Goa, south Madhya Maharashtra during 01st-05th and over Marathwada during 03rd-05th November, 2021. Isolated heavy rainfall also likely over Konkan & Goa on 04th & 05th November, 2021.
- Mainly dry weather over rest parts of the country during next 5 days except islands where scattered to fairly rainfall is very likely.
- The images showing the latest satellite picture in the figure. 1.

Main Weather Observations (IMD)

- Rainfall/Thundershowers observed (from 0830 hrs IST of yesterday to 0830 hours IST of today): at most places over Kerala & Mahe and Tamilnadu, Puducherry & Karaikal; at many places over Coastal Karnataka; at a few places over Andaman & Nicobar Islands, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, South Interior Karnataka and Lakshadweep and at isolated places over Arunachal

Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim, Odisha, Konkan & Goa and North Interior Karnataka.

- Heavy Rainfall recorded (from 0830 hrs IST of yesterday to 0830 hours IST of today): Heavy rainfall at isolated places over Coastal Andhra Pradesh & Yanam, Coastal Karnataka, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal.
- Thunderstorm observed (from 0830 hrs IST of yesterday to 0830 hours IST of today): at isolated places over Konkan & Goa, Tamilnadu, Puducherry & Karaikal, Coastal Andhra Pradesh, Karnataka and Kerala & Mahe.
- Maximum Temperature Departures as on 31-10-2021: Maximum temperatures were above normal (1.6°C to 3.0°C) at many places over Coastal Karnataka; at a few places over Assam & Meghalaya, Coastal Andhra Pradesh & Yanam and Telangana; at isolated places over West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Madhya Maharashtra and Rayalaseema. They were appreciably below normal (-3.1°C to -5.0°C) at a few places over West Madhya Pradesh; at isolated places over East Madhya Pradesh and Tamilnadu, Puducherry & Karaikal; below normal (-1.6°C to -3.0°C) at many places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, East Uttar Pradesh and Bihar; at a few places over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Gujarat state and Andaman & Nicobar Islands; at isolated places over Rajasthan and near normal at rest parts of the country. Yesterday, the maximum temperature 38.2°C was reported at Tiruchirappalli (Tamil Nadu).
- Minimum Temperature Departures as on 01-11-2021: Minimum temperatures are above normal (1.6°C to 3.0°C) at many places over Rayalaseema and Coastal & South Interior Karnataka; at a few places over West Rajasthan, Coastal Andhra Pradesh & Yanam and Kerala & Mahe; at isolated places over Odisha, Madhya Maharashtra and Andaman & Nicobar Islands. They are appreciably below normal (-3.1°C to -5.0°C) at many places over Vidarbha and Gujarat state; at a few places over East Madhya Pradesh and East Rajasthan; at isolated places over West Madhya Pradesh; below normal (-1.6°C to -3.0°C) at a few places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Uttar Pradesh and Bihar; at isolated places Haryana, Chandigarh & Delhi, Assam & Meghalaya, West Bengal & Sikkim and Tamilnadu, Puducherry & Karaikal and near normal over rest parts of the country. Today, the lowest minimum temperature of 8.5°C reported at Mandla (East Madhya Pradesh) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 01 November (Day 1): Heavy to very heavy rainfall at isolated places very likely over south interior & Coastal Tamil Nadu, Puducherry & Karaikal and heavy rainfall at isolated places over north interior Tamil Nadu, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, South Interior Karnataka and Kerala & Mahe. Thunderstorm accompanied with lightning very likely at isolated places over south Konkan & Goa, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Lakshadweep and Kerala & Mahe. Squally weather (speed reaching 40-50 kmph gusting to 60 kmph) very likely over Gulf of Mannar, Comorin Area, Southeast Arabian Sea along & off Kerala coast, Lakshadweep & Maldives area. Fishermen are advised not to venture into these areas.
- 02 November (Day 2): Heavy to very heavy rainfall at isolated places very likely over Kerala & Mahe and heavy rainfall at isolated places over Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, Rayalaseema, Telangana, South Interior Karnataka and Lakshadweep. Thunderstorm accompanied with lightning very likely at isolated places over south Konkan & Goa, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Lakshadweep and Kerala & Mahe. Squally weather (speed reaching 40-50 kmph gusting to 60 kmph) very likely over Gulf of Mannar, Comorin Area, Southeast Arabian Sea along & off Kerala coast, Lakshadweep & Maldives area. Fishermen are advised not to venture into these areas.
- 03 November (Day 3): Heavy to very heavy rainfall at isolated places very likely over Kerala & Mahe and heavy rainfall at isolated places over Tamil Nadu, Puducherry & Karaikal, Coastal & South Interior Karnataka and Lakshadweep. Thunderstorm accompanied with lightning very likely at isolated places over south Konkan & Goa, Madhya Maharashtra, Marathawada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Lakshadweep and Kerala & Mahe. Squally weather (speed reaching 40-50 kmph gusting to 60 kmph) very likely over Southeast Arabian Sea along & off Kerala coast, Lakshadweep & Maldives area. Fishermen are advised not to venture into these areas.
- 04 November (Day 4): Heavy rainfall at isolated places likely over Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal, Coastal & South Interior Karnataka and Konkan & Goa. Thunderstorm accompanied with lightning likely at isolated

places over north Konkan & Goa, Madhya Maharashtra, Marathawada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Squally weather (speed reaching 40-50 kmph gusting to 60 kmph) likely over Southeast Arabian Sea and Lakshadweep area. Fishermen are advised not to venture into these areas.

- 05 November (Day 5): Heavy rainfall at isolated places likely over Kerala & Mahe, Karnataka and Konkan & Goa. Thunderstorm accompanied with lightning likely at isolated places over north Konkan & Goa, Madhya Maharashtra, Marathawada, Karnataka and Kerala & Mahe. Squally weather (speed reaching 40-50 kmph gusting to 60 kmph) likely over Southeast Arabian Sea and Lakshadweep area. Fishermen are advised not to venture into these areas.
- The weather outlook for seven days i.e., 01 Nov to 09 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)

Western U.P

Weather condition:

Clear weather may be expected during 27-31 October and no rainfall forecast during this week. Maximum and minimum temperature may be 1-20C higher to its normal. Northwesterly winds may be prevailing on 5.6 to 8.8 km/hr which is 2-3 kmph higher to its normal during these days as per forecast.

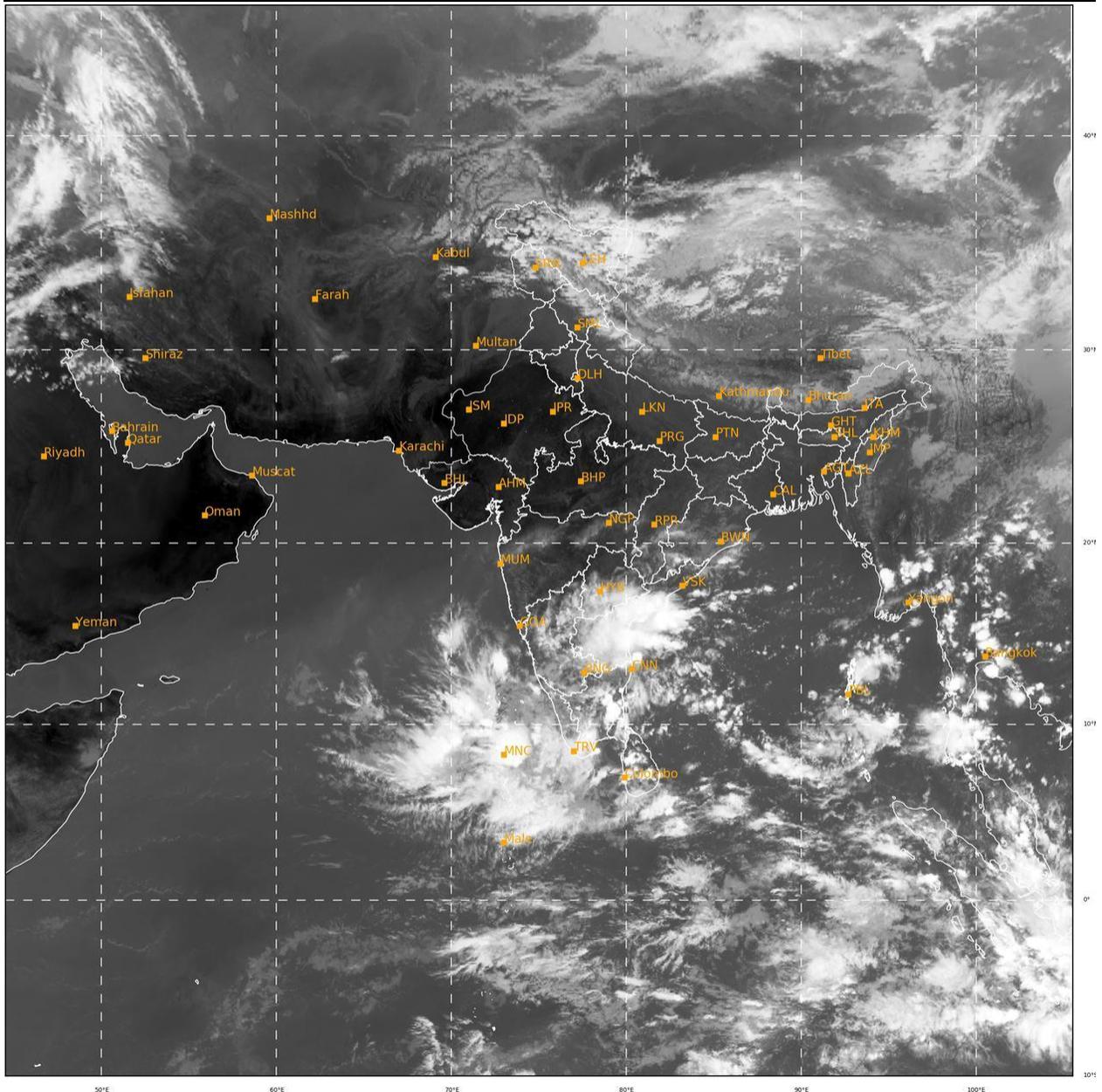
Contingency measure:

- Paddy:As per forecast clear weather appearing from coming week farmers are advised harvest mature paddy crop. Look for incidence of Army worm if seen spray Clopyrifos 20 EC @2.5 lt. per hectare used.
- Sorghum:Watchful from birds and for control measure of Ear head mite and Mite of Jowar spray Fenitrothion 50 EC or Quinalphos 25 EC, 2.0 lt. /ha with 500 to 600 lt. of water.
- Pearl millet:Clear weather appearing from 27-31 Oct., 2021, farmers are advised harvesting and threshing should be done.
- Wheat:Sowing of rain-fed wheat varieties such as K-8027, K-8962, K-9465, K-9351, HDR-77, HD-2888 and K-9644 and recommend Durum varieties such as Meghdoot, Vijaya, GW-2, HD-4672 and Sujata. Arrangement of seed and fertilizer for irrigated wheat.

- Barley:Sowing of barley varieties viz., Joty K-572/10, Azad K?125, K-141, Priti K-409 Lakhan RS-6 ,K-603 and K ? 1149 using 100 kg seed/ ha.
- Pigeon pea:If seen leaf roller spray Qunalphas 25 EC, 2.0 lt. /ha with 500 to 600 lt. of water.
- Gram:Used treated seed of gram varieties such as KWR-108, Radhey, JG-16, K-850, WCG-1, 2 and KGD-1168 for sowing.
- Pea:Sowing of pea varieties such as KPMR-400, KFPD-103, JP-885, IPF-99-25, IPFD-99-13 and KPMR-522 with 100 kg of treated seed per ha and sowing should try to be completed in this week.
- Lentil:Sowing with lentil varieties viz; IPL-81, K-75, KLS-218, IPL-406, Shekhar-3 and Shekhar-2.
- Toria:After weeding top dressed remaining dose of Urea at optimum moisture.
- Mustard:Continues sowing should be done by any one from these varieties such as Varuna (T-59), Basanti, Rohni, Maya, Urbashi, NDR-8501, Vaibhav , CS-52 and CS-54 with 60 : 60: 60 and 40 kg NPK and S, respectively at the time of sowing. Used 3.3 lt./ha Pendimathlin with 600lt. water solution before germination.
- Brinjal / Chilies:Transplanting should be done with new seedlings. Pick up mature fruits from standing crop, watching insect & pest, if need apply recommended dose of insecticide.
- Leafy:Sowing, cutting and marketing .
- Potato:Sowing of medium duration varieties such as K. sheetman, K. Sinduri, Chipsona-1 and 2. Potato seed should be keep out from cold storage, before 7-10 days of sowing.
- Barseem:Sowing of varieties, viz.; T-5, T-26, T-9, T-780 and Maiskavi and moisture should be apply as per need.
- Animal:Balanced diet should be given for milch animal with 50% green fodder. Common diseases of animals are Anthrax (high fever and enlargement of spleen), the others are Gala Ghotu (respiratory trouble and Surra (Sudden death of animals after restlessness). 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

01-11-2021/(0800 to 0826) GMT
01-11-2021/(1330 to 1356) IST



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939

IMD, DELHI

Figure: 1. Latest available satellite picture as on 01 Nov 2021 at 1356 Hrs (IST). (Source: IMD).

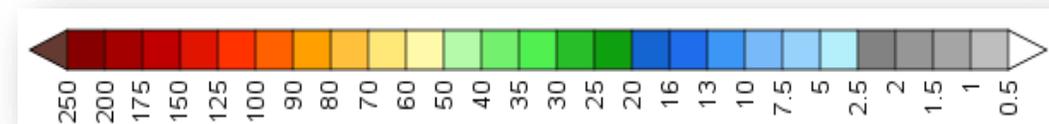
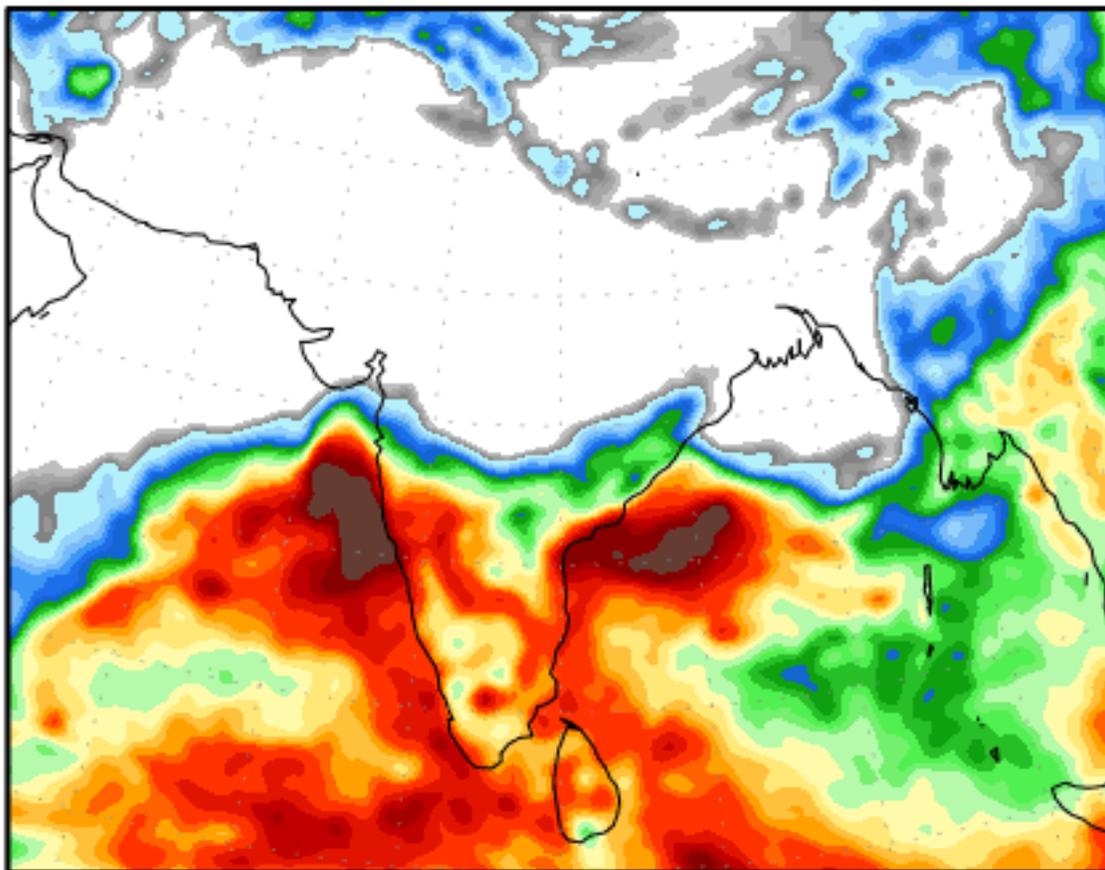


Figure:2. Precipitation forecast for 01 Nov to 09 Nov 2021 (Source: NOAA NCEP).

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