

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 27 November 2021

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- A cyclonic circulation lies over Comorin Area & adjoining Sri Lanka coasts in the lower levels and strong northeasterly winds are prevailing over Tamilnadu coast & south Coastal Andhra Pradesh at lower levels to the north of the circulation. The circulation is likely to emerge in the Arabian Sea on 29th November and move northwestwards thereafter.
- Under its influence:
 - i) Light to moderate fairly widespread/widespread rainfall very likely over Tamilnadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep area and Scattered to fairly widespread rainfall over south Coastal Andhra Pradesh & Yanam, Rayalaseema during next 3 days and decrease thereafter.
 - ii) Isolated heavy to very heavy rainfall very likely over Tamilnadu, Puducherry & Karaikal during 27th-29th November and over south Coastal Andhra Pradesh and Rayalaseema on 27th & 28th November, 2021. Isolated heavy rainfall very likely over Kerala & Mahe during 27th-29th with isolated very heavy rainfall on 28th November.
 - iii) Increase in rainfall activity over Konkan & Goa, Madhya Maharashtra and Gujarat where Isolated to scattered rainfall activity with thunderstorm & lightning is likely during 30th November- 01st December with maximum activity on 01st December.
- A Low Pressure Area is likely to form over south Andaman Sea around 29th November, 2021. It is likely to become more marked and move westnorthwestwards during subsequent 48 hours. Under its influence, isolated heavy rainfall likely over Andaman & Nicobar Islands on 30th November & 01st December.
Sea Area Warning:
- Squally wind (speed reaching 40-50 kmph gusting to 60 kmph) very likely over Comorin area, Gulf of Mannar, along & off south Tamilnadu coast and adjoining southwest Bay of Bengal on 27th & 28th November.

- Squally weather with maximum sustained wind speed reaching 40-50 gusting to 60 kmph is likely to prevail over Eastcentral Arabian Sea and along & off Karnataka-Goa coasts on 29th; over Eastcentral & adjoining Northeast Arabian Sea and along & off Karnataka-Maharashtra coasts on 30th and over Northeast & adjoining Eastcentral Arabian Sea and along & off Gujarat-north Maharashtra coasts on 01st December.
- Squally weather with maximum sustained wind speed reaching 40-50 gusting to 60 kmph is likely to prevail over south Andaman Sea on 29th; over south Andaman Sea and adjoining southeast Bay of Bengal on 30th and over Southeast adjoining Eastcentral Bay of Bengal and Andaman Sea on 01st December.
- Fishermen are advised not to venture into these areas.
- 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 Tamilnadu, Puducherry & Karaikal and at isolated places over Kerala & Mahe and Rayalaseema.
- Heavy Rainfall observed (from 0830 hrs IST of yesterday to 0830 hours IST of today): Very heavy rainfall at isolated places over Tamilnadu, Puducherry & Karaikal.
- Fog observed (at 0830 hrs IST of today): Moderate fog in isolated pockets over Delhi and Shallow fog in isolated pockets over Punjab, West Uttar Pradesh, Bihar and Odisha.
- Thunderstorm observed (from 0830 hrs IST of yesterday to 0830 hours IST of today): at isolated places over Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.
- Minimum Temperature Departures (as on 27-11-2021): Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at many places over Coastal Andhra Pradesh & Yanam ; at a few places over Odisha, Madhya Maharashtra, Telangana and at isolated places over Gujarat Region; above normal (1.6°C to 3.0°C) at most places over Marathwada, Bihar, West Rajasthan; at many places over Rayalseema, West Madhya Pradesh, Punjab, Haryana, Chandigarh & Delhi; at a few places over Vidarbha, South Interior Karnataka, Gangetic West Bengal, Tamilnadu, Puducherry & Karaikal and at isolated places over East Madhya Pradesh, West Uttar Pradesh, East Rajasthan, Sub-Himalayan West Bengal & Sikkim, Kerala & Mahe and Andaman & Nicobar Islands and near normal over

rest parts of the country. Today, the Lowest minimum temperature of 7.2°C reported at Hissar (Haryana) over the plains of the country.

- Maximum Temperature Departures (as on 26-11-2021): Maximum temperatures were above normal (1.6°C to 3.0°C) at many places over East Rajasthan, Saurashtra & Kutch and Vidarbha; at a few places over Haryana, Chandigarh & Delhi, West Rajasthan, Gujarat region, West Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Telangana and Coastal Andhra Pradesh & Yanam and at isolated places over Odisha and East Madhya Pradesh. They were below normal (-1.6°C to -3.0°C) at most places over Tamilnadu, Puducherry & Karaikal; at many places over Bihar and Sub-Himalayan west Bengal & Sikkim; at a few places over East Uttar Pradesh, Kerala & Mahe and Andaman & Nicobar Islands and at isolated places over Gangetic West Bengal and near normal at rest parts of the country. Yesterday, the highest maximum temperature 36.0°C was reported at Bulsar (Gujarat Region) over the country.

Weather Warning during the next 5 days (IMD)

- 27 November (Day 1): Heavy to very heavy rainfall very likely at isolated places over south Coastal Andhra Pradesh, Rayalaseema and Tamil Nadu, Puducherry & Karaikal and Heavy rainfall at isolated places over Kerala & Mahe. Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep. Squally winds (speed reaching 40-50 kmph gusting to 60 kmph) very likely over Comorin area, Gulf of Mannar, along & off south Tamilnadu coast and adjoining southwest Bay of Bengal. Fishermen are advised not to venture into these areas.
- 28 November (Day 2): Heavy to very heavy rainfall very likely at isolated places over south Coastal Andhra Pradesh, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe and Heavy rainfall at isolated places over South Interior Karnataka. Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Squally winds (speed reaching 40-50 kmph gusting to 60 kmph) very likely over Comorin area, Gulf of Mannar, along & off south Tamilnadu coast and adjoining southwest Bay of Bengal. Fishermen are advised not to venture into these areas.
- 29 November (Day 3): Heavy to very heavy rainfall very likely at isolated places over Tamil Nadu, Puducherry & Karaikal and Heavy rainfall at isolated places over south Coastal Andhra Pradesh, Rayalaseema and Kerala & Mahe. Thunderstorm accompanied with lightning very likely at isolated places over

Madhya Maharashtra, Konkan & Goa, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Squally winds (speed reaching 40-50 kmph gusting to 60 kmph) very likely over South Andaman Sea & neighbourhood. Fishermen are advised not to venture into these areas. Squally winds (speed reaching 40-50 kmph gusting to 60 kmph) very likely over Eastcentral Arabian Sea and along & off Karnataka-Goa coasts. Fishermen are advised not to venture into these areas.

- 30 November (Day 4): Heavy rainfall likely at isolated places over Andaman & Nicobar Islands and Tamil Nadu, Puducherry & Karaikal. Thunderstorm accompanied with lightning likely at isolated places over Gujarat state, Madhya Maharashtra, Konkan & Goa, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Squally winds (speed reaching 40-50 kmph gusting to 60 kmph) likely over South Andaman Sea & adjoining Southeast Bay of Bengal. Fishermen are advised not to venture into these areas. Squally winds (speed reaching 40-50 kmph gusting to 60 kmph) likely over Eastcentral & adjoining Northeast Arabian Sea and along & off Karnataka-Maharashtra coasts. Fishermen are advised not to venture into these areas.
- 01 December (Day 5): Heavy rainfall likely at isolated places over Andaman & Nicobar Islands and Tamil Nadu, Puducherry & Karaikal. Thunderstorm accompanied with lightning likely at isolated places over Gujarat state, Madhya Maharashtra, Konkan & Goa and Tamil Nadu, Puducherry & Karaikal. Squally winds (speed reaching 40-50 kmph gusting to 60 kmph) likely over Southeast and adjoining Eastcentral Bay of Bengal & Andaman Sea. Fishermen are advised not to venture into these areas. Squally winds (speed reaching 40-50 kmph gusting to 60 kmph) likely over Northeast & adjoining Eastcentral Arabian Sea and along & off Gujarat-north Maharashtra coasts. Fishermen are advised not to venture into these areas.
- The weather outlook for seven days i.e., 27 Nov to 05 Dec 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 appearing and no rainfall forecast from this week. Maximum temperature may be 1.0-2.00C higher to its normal and minimum temperature may be 1.0-2.00C

higher to its normal. South ?-Easterly / North ? Easterly winds may be prevailing on 4.7 to 5.5 km/hr which is 1- 2 kmph above to its normal during these days as per forecast.

Contingency measure:

- Paddy: Harvesting mature crop.
- Wheat: Sowing should be completed as early as possible with timely sown wheat varieties. Recommended varieties of wheat at irrigated condition such as K-0307 , DBW-17, DBW-187, DBW-202, PBW-443, HD-2733, HD-2967, K-9107, DBW-39,CBW-38 and HUW-510 with 100 kg/ha of seed and 120 :60:60 kg /ha fertilizer. Treated seed should be used. Barley :Sowing of barley varieties viz., K-572, K-125, K-141, K-560, K-409, K-287 , K-329 , NDB-209 and NDB-1020, using 80 kg seed/ ha in irrigated condition at optimum moisture condition.
- Rabi maize:Sowing of rabi maize with suitable composite varieties as Dhawal, Shradamani and Shakti-1 and for Pop corn Amber, BL Amber and Pearl and for sweet corn Madhuri, Priya and for Baby corn BL-42, Prakash and HM-4 with 20-22 kg seed per hectare.
- 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, G gram-4, RSG-936, WCG-2, Uday and pant G-186 for sowing and for Kabuli JGK-1, Subhra and Ujjaval with 75-80 Kg/ha for small seeds and 90-100 kg/ha for bold seed.
- Pea :Weeding should be taken up.
- Lentil:Sowing with lentil varieties viz; IPL-406, IPL-81, K-75, HUL-57,KLS-218, Shekhar-3 and Shekhar-2 with 40-50 kg/ha seed. Toria:Watching from insect and pest.
- Mustard :Weeding and thinning should be taken up.
- Linseed :Weeding and hoeing can be taken up.
- 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 Vegetable: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 :First cutting should be taken up after cutting irrigate the field and top dressed 20 kg urea/ acre .
- Animal :Protect from cold at night specially on Calves. 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.



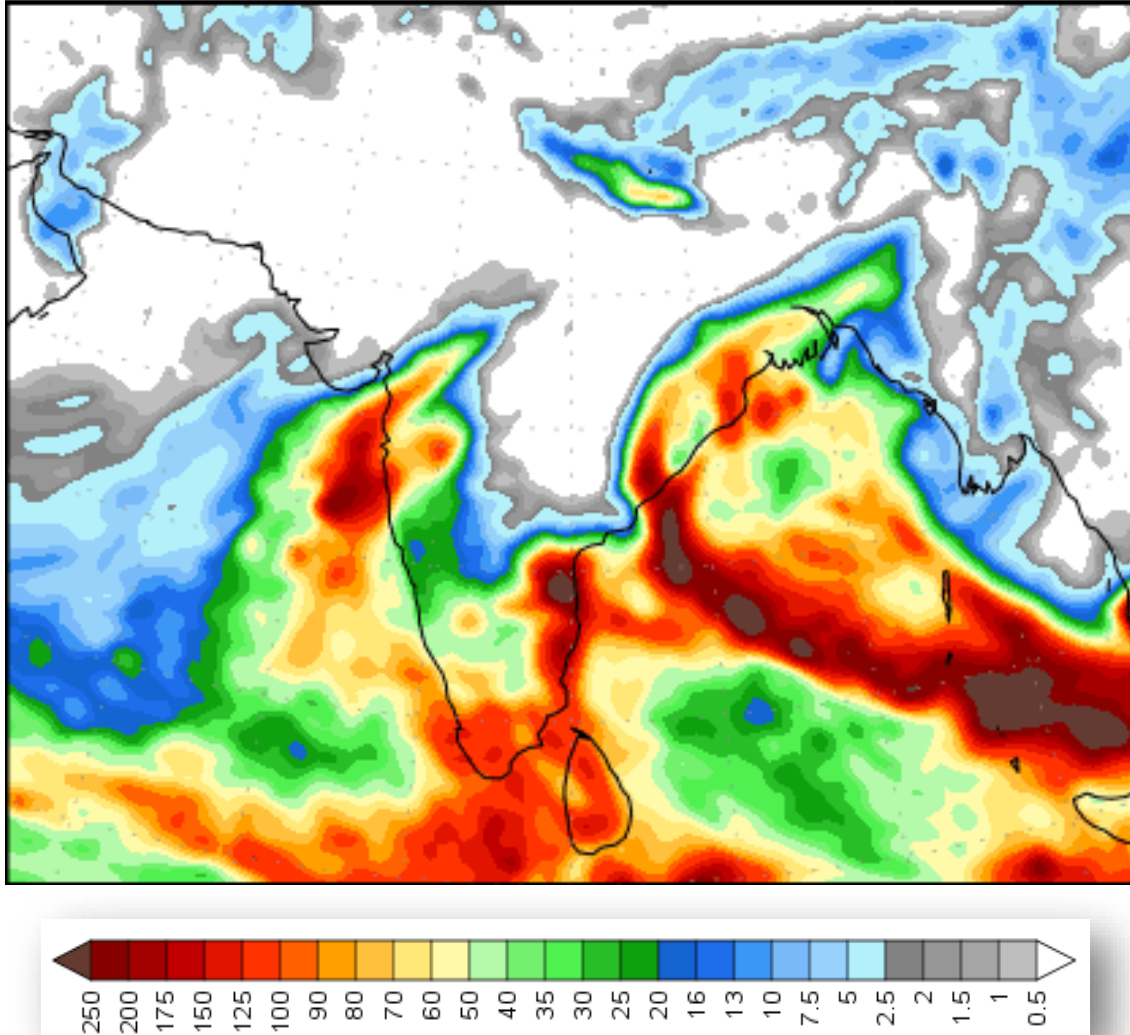


Figure:2. Precipitation forecast for 27 Nov to 05 Dec 2021 (Source: NOAA NCEP).

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.