

All India Coordinated Research Project on Agrometeorology

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Daily Crop Weather Information as on 27 November 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Current Western Disturbance and its induced cyclonic circulation in combination with Sub-Tropical Westerly Jet is likely to cause isolated to scattered rain/snow and isolated hailstorm over Jammu & Kashmir, Himachal Pradesh and Uttarakhand during next 48 hours.
- Feeble easterly waves are likely to cause scattered rainfall over Andaman & Nicobar Islands, Tamilnadu & Puducherry, Kerala and Lakshadweep during 29th November-01st December.
- Near normal to slightly below normal night temperatures are very likely to prevail over parts of northeast and east India during next 2-3 days. No significant change in minimum temperatures likely over Gujarat State during next 48 hours and likely fall by 2-4°C thereafter. No significant change in minimum temperatures likely over rest parts of the country during next 3-4 days and they are likely to fall by 2-4°C over parts of northwest India from 1st December.
- Dense fog observed at isolated places over Assam & Meghalaya during early morning hours of today.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall observed (from 0830 hours IST of yesterday to 0830 hours IST of today): Rain/Thundershowers observed at isolated places over Lakshadweep & Andaman & Nicobar Islands.
- Maximum temperature departures as on 26-11-2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, West Rajasthan and above normal (1.6°C to 3.0°C) at many places over East Rajasthan, Andaman & Nicobar Islands, Vidarbha, Marathwada, Konkan & Goa; at a few places over Kerala, South Interior Karnataka, Lakshadweep, Rayalaseema, Telangana, Saurashtra & Kutch and Punjab and at

isolated places over Coastal Andhra Pradesh, Madhya Pradesh, Assam & Meghalaya and Haryana, Chandigarh & Delhi. They were below normal (-1.6°C to -3.0°C) at isolated places over Gangetic West Bengal and near normal over rest parts of the country.

- The highest maximum temperature of 36.0°C was recorded at Dahanu (Konkan) over the plains of the country.
- Minimum temperature departures as on 27-11-2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at most places over Uttarakhand; at a few places over Himachal Pradesh & West Rajasthan; at isolated places over Punjab, Haryana, Chandigarh & Delhi, East Rajasthan and Gujarat Region; above normal (1.6°C to 3.0°C) at a few places over Jammu & Kashmir, East Uttar Pradesh, Bihar, West Bengal & Sikkim, Madhya Pradesh, Konkan & Goa, Kerala and Lakshadweep. They are appreciably below normal (-3.1°C to -5.0°C) at a few places over Odisha at isolated places over Nagaland, Manipur, Mizoram & Tripura, Chhattisgarh, Madhya Maharashtra and Coastal Karnataka; below normal (-1.6°C to -3.0°C) at many places over Vidarbha & Telangana; at a few places over Assam & Meghalaya, Coastal Andhra Pradesh, North Interior Karnataka and Tamilnadu & Puducherry; at isolated places over Saurashtra & Kutch and Andaman & Nicobar Islands and near normal over rest of the country.
- The lowest minimum temperature of 5.0°C recorded at Mandla (East Madhya Pradesh) over the plains of the country.

Weather Warning during next 5 days (IMD)

- 27 November (Day 1): Thunderstorm accompanied with hailstorm likely at isolated places over Jammu & Kashmir and Himachal Pradesh.
- 28 November (Day 2): No weather warning.
- 29 November (Day 3): No weather warning.
- 30 November (Day 4): No weather warning.
- 01 December (Day 5): No weather warning.
- The weather outlook for the period of seven days *i.e* 27 November to 04 December 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur at a few places over Jammu & Kashmir, Himachal Pradesh, Lakshadweep and Andaman & Nicobar Islands. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

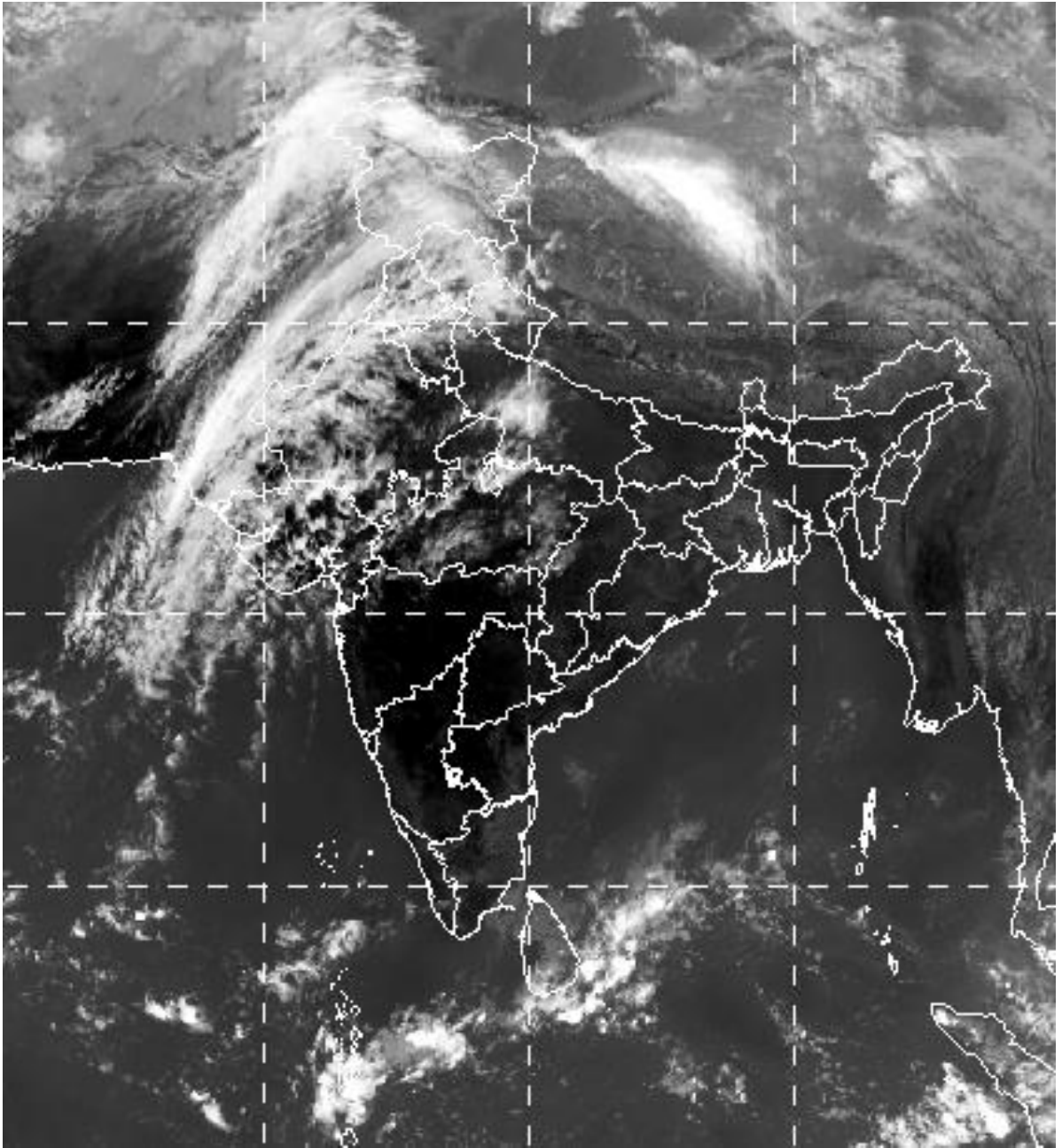
Tamil Nadu

Weather condition

Light rainfall received in Tamil Nadu state during past few days. The maximum temperature: 32.5°C (normal 30.9°C) and minimum temperature: 20.0°C (normal 20.9°C),

Contingency measure:

- General: Light to moderate rain fall is expected in coming days. Rainfed & irrigated crops.
- Water management: Provide adequate drainage facilities in the fields to avoid water stagnation / logging condition.
- All the crops: Disease incidence. Very high cloud cover and high humidity is favorable for disease incidence. So, farmers are advised to monitor the crop and adopt prophylactic measure at the suitable time.
- Pulse: Flowering to pod development Stage. Pod borer incidence is noticed - ETL: 10% of affected pods controlling this pest spray Chlorantraniliprole 18.5 SC @ 150 ml/ha or Emamectin benzoate 5% SG @ 220 g/ha. As high cloud cover is expected in the coming days is conducive for the spreading of Yellow mosaic virus. - spray Dimethoate 30 EC 500 ml / ha or Thiamethoxam 75 WS 1 g/ litre at rainless days.
- Banana: Bunch development stage. As wind speed with 10-15 km/hr is expected in the coming days provide support for banana and do propping for sugarcane.
- Cotton: Vegetative stage. Thrips incidence was noticed. The affected plants show symptoms of crinkling and upward curling of leaves and elongation of petiole. For controlling this pest spray imidachloprid 200 SL @100 ml or Dimethoate 30 % EC @500 ml/hect or NSKE 5% @ 2 kg/ha.
- Sunflower, pearl millet: Seedling stage. Do thinning by leaving only one healthy seedling per hill in order to maintain optimum population. Horticultural crops: As wind speed with 10-12 km/hr is expected in the coming days adequate measures to be taken.



**Figure: 1. Latest available satellite picture as on 27 November 2018 at 0230 Hrs (IST).
(Source: IMD).**

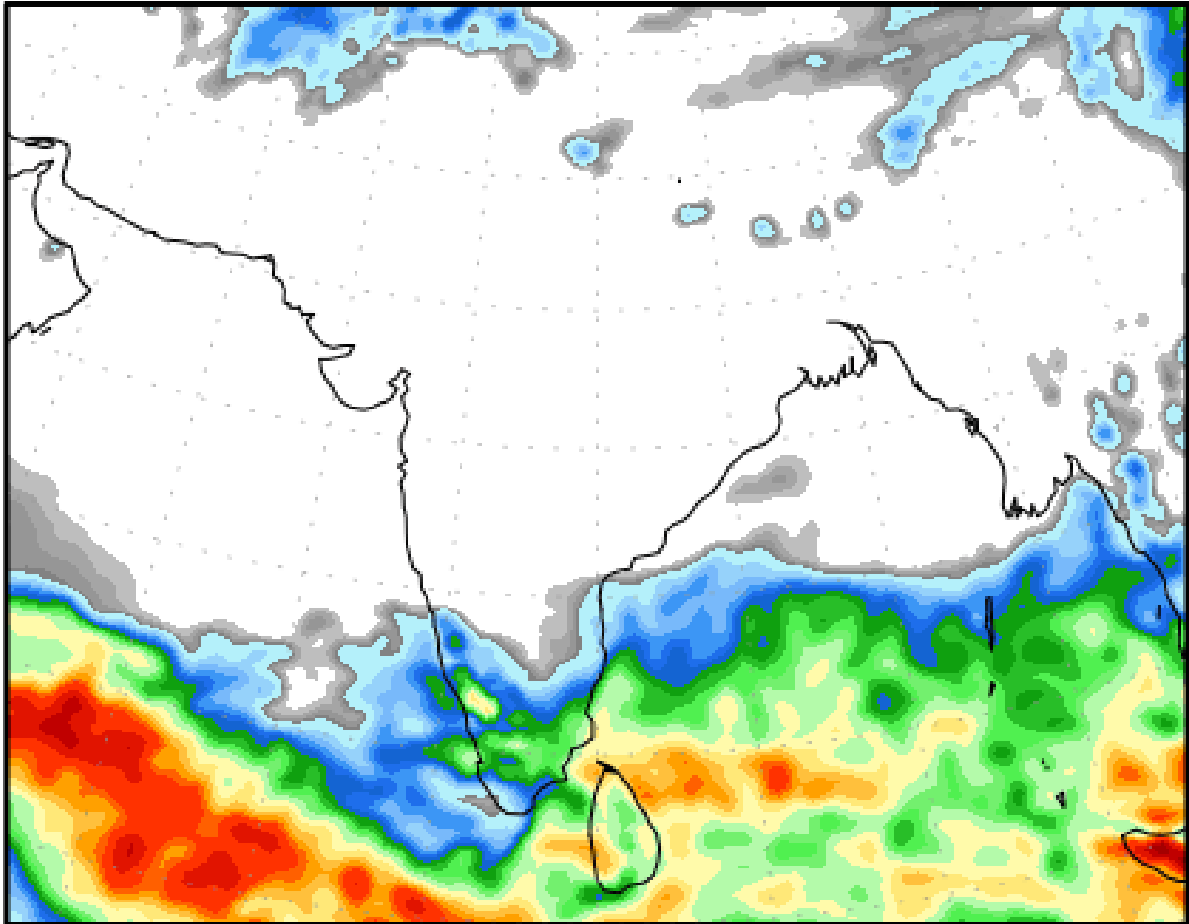


Figure: 2. Precipitation forecast for 27 November to 04 December 2018 (Source: NOAA NCEP).