

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 01 November 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Northeast Monsoon rains have commenced over coastal Tamilnadu & Puducherry, south Tamilnadu, adjoining areas of south coastal Andhra Pradesh and south Kerala today, the 1st November 2018. Conditions are favourable for further commencement of Northeast Monsoon rains over rest Tamilnadu & Kerala, South Interior Karnataka and Rayalaseema during next 24 hours.
- The Western Disturbance as an upper air cyclonic circulation over Iran now lies over Afghanistan & neighbourhood between 3.1 km & 5.8 km above mean sea level. The trough aloft with its axis at 5.8 km above mean sea level now runs roughly along Long. 64°E to the north of Lat.30°N. Under its influence, scattered to fairly widespread precipitation very likely over western Himalayan region during next 3 days and isolated rainfall over northern parts of Punjab and Haryana during next 48 hours and significantly decrease thereafter.
- 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 most places over coastal Tamilnadu & Puducherry at a few places over rest of Tamilnadu, Andaman & Nicobar Islands & Kerala and at isolated places over Coastal Andhra Pradesh, South Interior Karnataka, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha and Rayalaseema.
- Maximum temperature departures as on 31.10.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Tamilnadu & Puducherry; above normal (1.6°C to 3.0°C) at most places over Rayalaseema, Coastal & South Interior Karnataka and Kerala; at many places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, West Rajasthan, Assam & Meghalaya and Konkan & Goa; at a few places over East Uttar Pradesh and Sub Himalayan West Bengal & Sikkim and at isolated places over Saurashtra & Kutch, Bihar, Madhya Pradesh, Madhya Maharashtra, Vidarbha, Telangana, North Interior

Karnataka and Andaman & Nicobar Islands. They were below normal (1.6°C to 3.0°C) at isolated places over Odisha and near normal over rest of the country.

- The highest maximum temperature of 37.8°C was recorded at Phalodi (West Rajasthan) over the plains of the country.
- Minimum temperature departures as on 01.11.2018: Minimum temperature are appreciably above normal (3.1°C to 5.0°C) at many places over Andaman & Nicobar Islands; at a few places over Jammu & Kashmir and at isolated places over West Rajasthan and West Madhya Pradesh; above normal (1.6°C to 3.0°C) at many places over Punjab & East Madhya Pradesh; at a few places over Himachal Pradesh, Tamilnadu & Puducherry, Sub Himalayan West Bengal & Sikkim and Jharkhand and at isolated places over Haryana, Chandigarh & Delhi and Kerala. They are appreciably below normal (3.1°C to 5.0°C) at isolated places over Gangetic West Bengal and East Rajasthan; below normal (1.6°C to 3.0°C) at many places over Coastal Karnataka; at a few places over Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Interior Karnataka and near normal over rest of the country.
- The lowest minimum temperature of 11.4°C recorded at Bhilwara (East Rajasthan) over the plains of the country.

Weather Warning during next 5 days (IMD)

- 01 November (Day 1): Heavy to very heavy rain very likely at isolated places over Tamilnadu & Puducherry and heavy rain very likely at isolated places over Kerala. Thunderstorm accompanied with hail very likely at isolated places over Jammu & Kashmir and Himachal Pradesh.
- 02 November (Day 2): Heavy rain very likely at isolated places over Tamilnadu & Puducherry, South Interior Karnataka and Kerala. Thunderstorm accompanied with hail very likely at isolated places over Jammu & Kashmir and Himachal Pradesh.
- 03 November (Day 3): Heavy rain very likely at isolated places over Tamilnadu & Puducherry and Kerala.
- 04 November (Day 4): No Weather warning.
- 05 November (Day 5): No Weather warning.
- The weather outlook for the period of seven days *i.e* 01 to 07 November 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 Gangetic West Bengal, Odisha, Rayalaseema, Coastal Andhra Pradesh, South

Interior Karnataka, Kerala, Tamilnadu & Puducherry, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

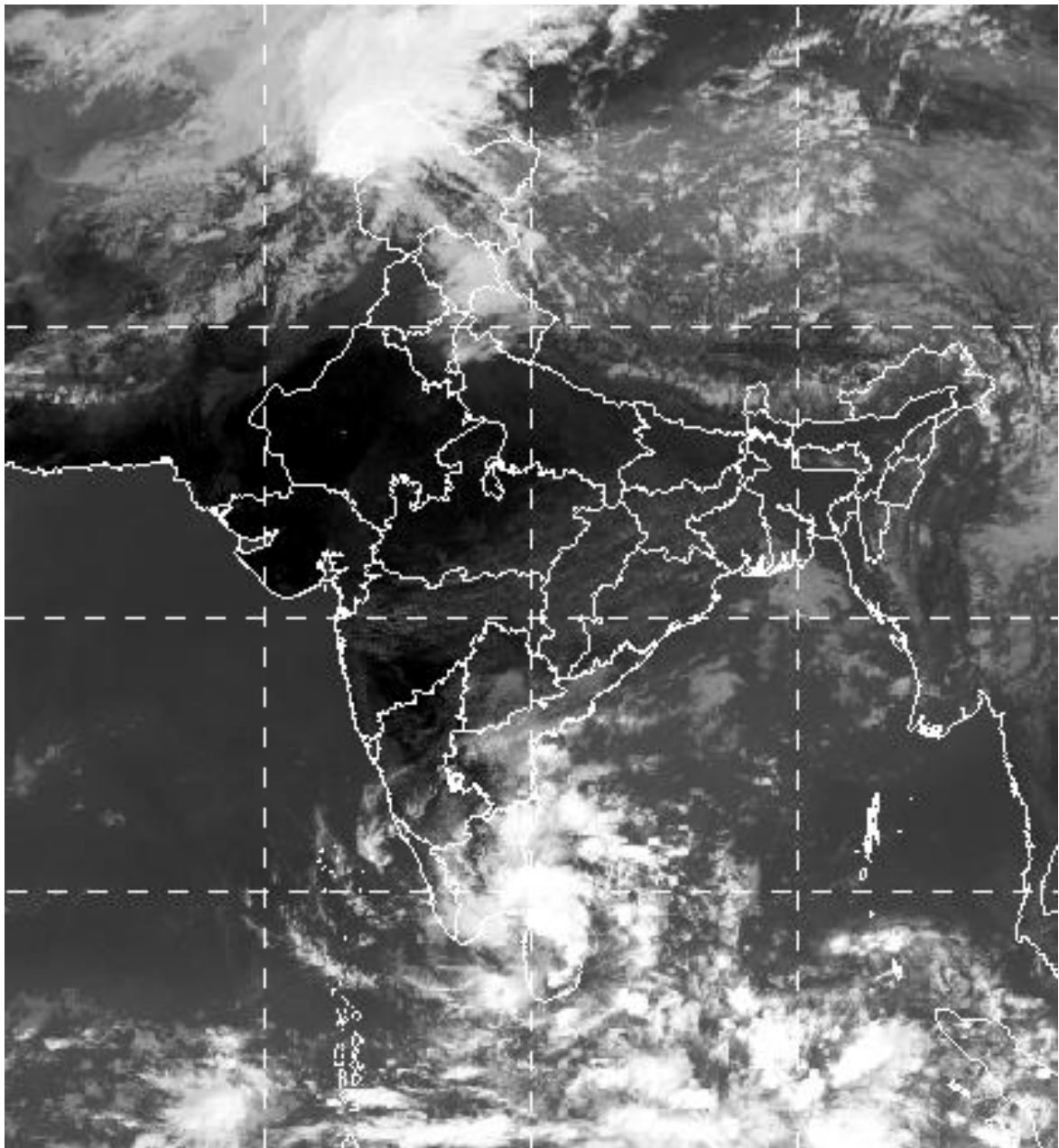
West Bengal

Weather condition

Dry weather prevailed in West Bengal state past few days. Maximum temperature ranged from 30.0 to 33.5°C and minimum temperatures ranged from 17.5 to 22.6°C.

Contingency measure:

- Aman Rice: In this prevailing weather condition, there is a chance of spread of sheath blight. As a control spray Carbendazim @1.5 g/litre of water. In case of stem borer attack spray carbosulfan 25 EC @ 2ml/l or Profenphos 40% + Cypermethrin 4% @1ml/l of water.
- Chilli: Present temperature and humidity conditions are congenial for the rapid spread of thrips and mites leading to the leaf curling in chilli. As a control spray Difenthiuron @ 0.75g per litre of water at 7-10 days interval.
- Boro-rice: Start nursery bed preparation. Also start collecting seeds of improved varieties. Treat the seeds with mercurial pesticide. Soak the seeds in carbendazim mixed water (@ 1gm in 1.5 litre water) and dry under shade.
- Potato: Start preparation of land for planting of potato. Mustard: Start sowing improved varieties such as Varuna, Pusa Bold, etc. of mustard.



**Figure: 1. Latest available satellite picture as on 01 November 2018 at 0230 Hrs (IST).
(Source: IMD).**

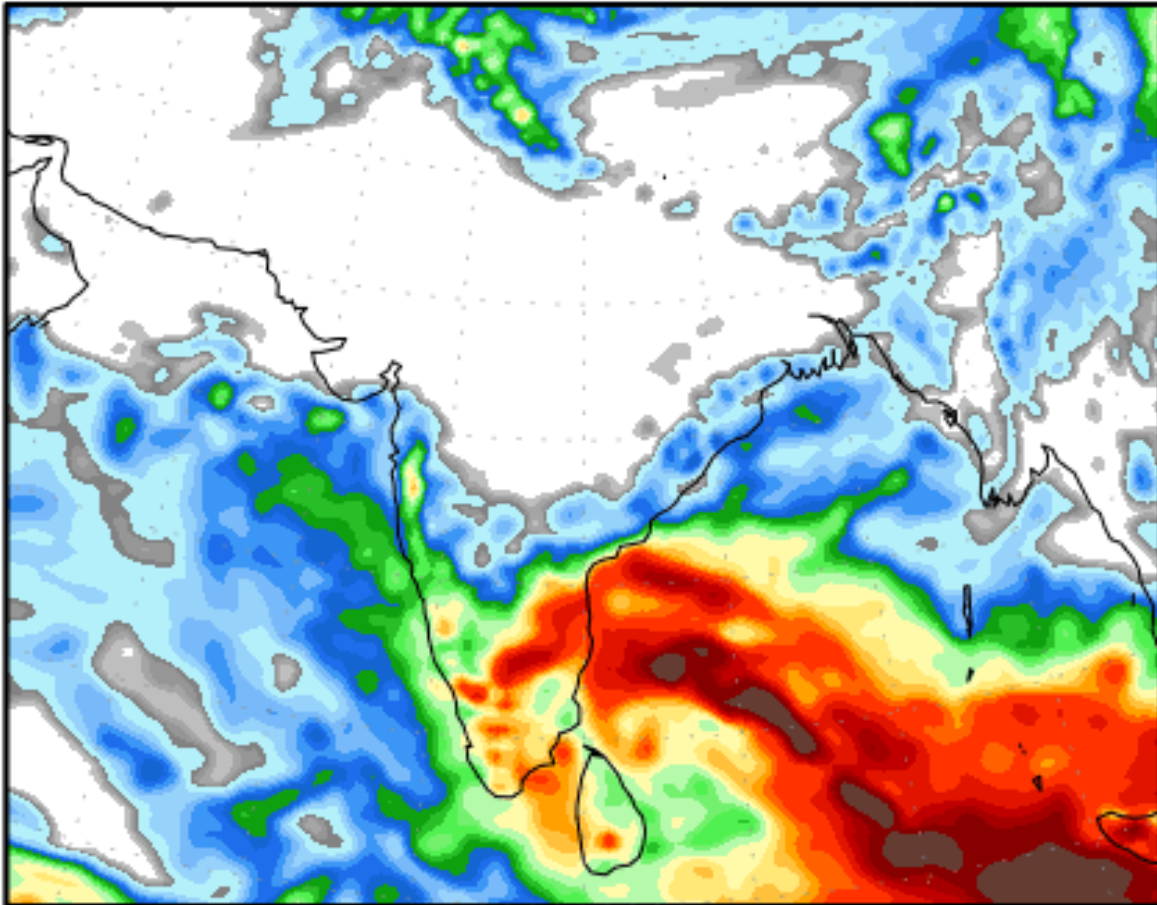


Figure: 2. Precipitation forecast for 01 to 07 November 2018 (Source: NOAA NCEP).