

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 12 November 2020

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Under the influence of a trough in easterly at lower levels from cyclonic circulation over Sri Lanka coast to southwest Bay of Bengal off north Tamil Nadu Coast:
 - i) Scattered to fairly widespread rainfall accompanied with thunderstorm & lightning very likely over Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh, Kerala and Lakshadweep area during next 4-5 days.
 - ii) Isolated heavy rain also very likely over Tamil Nadu, Puducherry & Karaikal during next 5 days and over Coastal Andhra Pradesh on 12, 15 & 16 November, 2020.
- Under the influence of a fresh feeble Western Disturbance and its interaction with lower level easterlies;
 - i) Scattered to fairly widespread precipitation very likely over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Himachal Pradesh; Isolated rainfall over Uttarakhand on 15-16 Nov., over plains of northwest India and adjoining central India on 15th November, 2020.
 - ii) Isolated heavy falls also very likely over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad on 14-15 November, 2020.
- Gradual rise in minimum temperature by 2-3°C over Northwest India and by 2-4 °C over Central India during next 2-3 days. No large change in minimum temperature over rest parts of the country during next 4-5 days.
- The images showing the latest satellite picture in the figure. 1.

Main Weather Observations (IMD)

- Rain/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at most places over Coastal Andhra Pradesh & Yanam and at isolated places over Tamil Nadu, Puducherry & Karaikal, Rayalaseema, Kerala & Mahe and Odisha.

- Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal.
- Maximum Temperature Departures as on 11-11-2020: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Assam & Meghalaya and Bihar; above normal (1.6°C to 3.0°C) at most places over Nagaland, Manipur, Mizoram & Tripura and Sub-Himalayan West Bengal & Sikkim; at many places over Uttarakhand, Jharkhand, Chhattisgarh and Kerala & Mahe; at a few places over Gangetic West Bengal & Sikkim, Himachal Pradesh, Konkan & Goa, Tamil Nadu, Puducherry & Karaikal and Coastal Karnataka and at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Odisha, East Madhya Pradesh, Rayalaseema and Telangana. They were below normal (-1.6°C to - 3.0°C) at many places over West Rajasthan and Gujarat Region; at a few places over Haryana, Chandigarh & Delhi, East Rajasthan, Vidarbha, Coastal Andhra Pradesh and Andaman & Nicobar Islands and at isolated places over West Uttar Pradesh, Madhya Maharashtra and Saurashtra & Kutch and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 35.9°C was reported at Mangalore (Coastal Karnataka).
- Minimum Temperature Departures as on 12-11-2020: Minimum temperatures are above normal (1.6°C to 3.0°C) at most places over Chhattisgarh; at a few places over East Madhya Pradesh, Jharkhand and Odisha and at isolated places over Rayalaseema and Assam & Meghalaya; above normal (1.6°C to 3.0°C) at many places over Saurashtra & Kutch and Tamil Nadu, Puducherry & Karaikal; at a few places over Coastal Andhra Pradesh & Yanam and Bihar and at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, West Rajasthan and Telangana. They are appreciably below normal (-3.1°C to -5.0°C) at a few places over Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Vidarbha and at isolated places over East Rajasthan and West Madhya Pradesh and below normal (-1.5°C to - 3.0°C) at a few places over Haryana, Chandigarh & Delhi, Coastal & North Interior Karnataka and at isolated places over Gujarat Region and near normal over rest parts of the country. The lowest minimum temperature of 9.4°C reported at Mandla (East Madhya Pradesh) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 12 November (Day 1): Heavy rainfall very likely at isolated places over Tamil Nadu, Puducherry & Karaikal and Coastal Andhra Pradesh & Yanam. Thunderstorm with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- 13 November (Day 2): Heavy rainfall very likely at isolated places over Tamil Nadu, Puducherry & Karaikal. Thunderstorm with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal, Lakshadweep and Kerala & Mahe.
- 14 November (Day 3): Heavy rainfall very likely at isolated places over Jammu-Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Tamil Nadu, Puducherry & Karaikal. Thunderstorm with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal, Lakshadweep and Kerala & Mahe.
- 15 November (Day 4): Heavy rainfall likely at isolated places over Jammu-Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Tamil Nadu, Puducherry & Karaikal, Coastal Andhra Pradesh & Yanam, and Rayalaseema. Thunderstorm with lightning very likely at isolated places over north Madhya Pradesh, Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Lakshadweep and Kerala & Mahe.
- 16 November (Day 5): Heavy rainfall likely at isolated places over Tamil Nadu, Puducherry & Karaikal and Coastal Andhra Pradesh & Yanam. Thunderstorm with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Lakshadweep and Kerala & Mahe.
- The weather outlook for seven days i.e., 12 to 20 November 2020 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)

Madhya Pradesh

Weather condition:

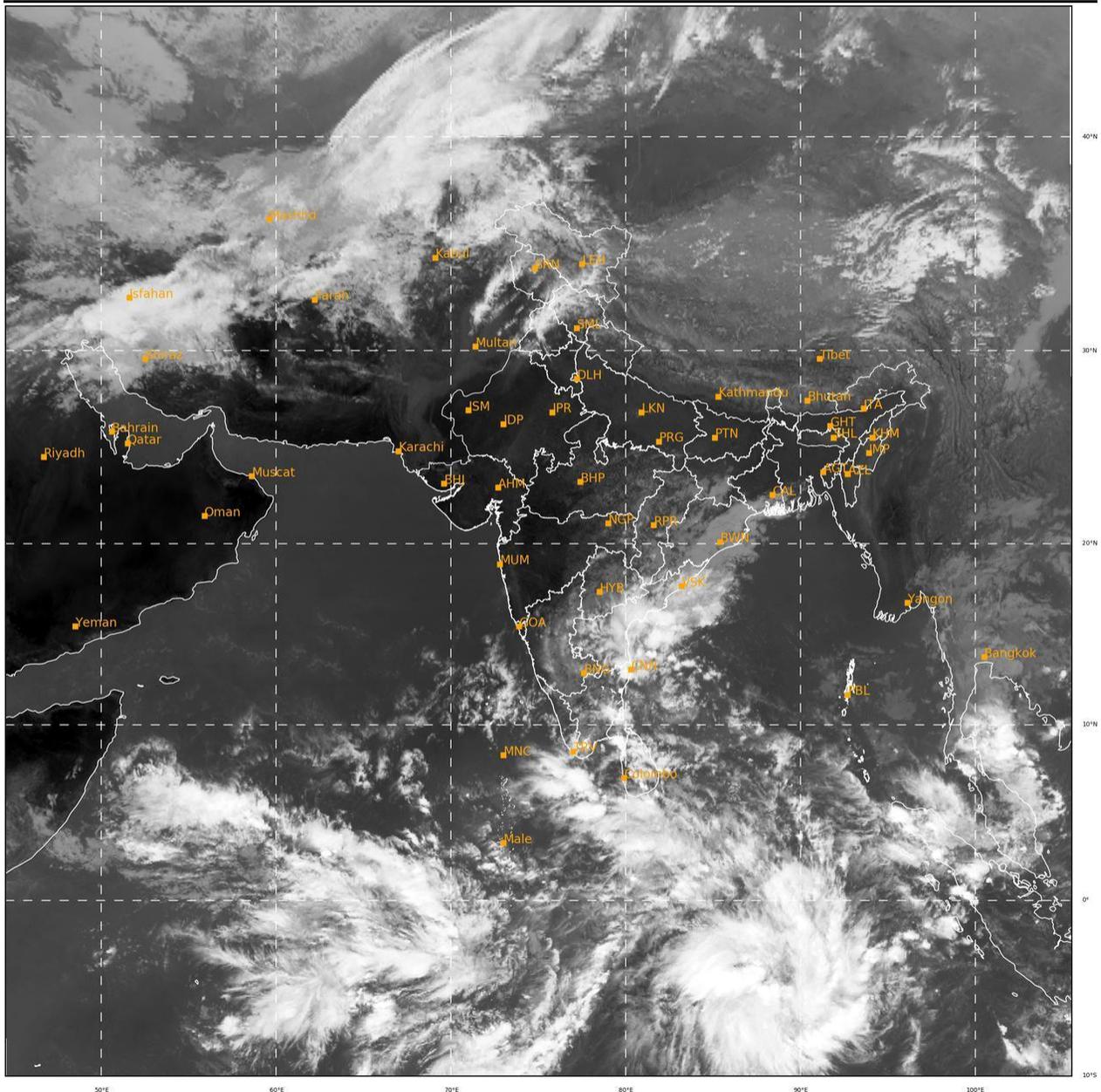
High Tmax: 35 C at Khargone district - Low TMin: 8 C at Umaria district - Rainfall: NIL. State remains dry during previous week. - Day and Night Temp: Normal over the state

Contingency measure:

- General Advice: There will be clear weather in the eastern part of the state. Prepare for harvesting of rice as per maturity. Prepare field for Potato and start sowing. Cleaning and germination testing of seed for Rabi crops. Start the sowing of gram, wheat, lentil and linseed. For more information contact the nearest Krishi Vigyan Kendra.
- Rice: Need based irrigation should be done in the paddy field. After continuous inspection, take appropriate measures of control of pests and diseases.
- Vegetable Pea: Sowing of vegetable pea should be started. Arrange good quality seed of variety- Arkel, PSM -3 or Azad pea-1 etc
- Sugarcane: In sugarcane crop tie the plants with each other so as to avoid lodging.
- Fruit tree: Clean the gardens and remove the weed. Take care and control of fruit fly. Make basins for lemon and guava and use compost and fertilizer as per recommendation.
- Vegetables: Use of systemic insecticides for control of fruit borer in eggplant, tomatoes and okra. Preparation for nursery for early season rabi vegetables. Start Transplanting of vegetable from nursery to field. Sowing of potato, carrot, radish, methi, palak. Treat the seed and plant with fungicide dithine M 45, or dithne Z-78 or carbendazim @ of 2g per liter water for healthy crop. Take measures to prevent powdered mildew in vegetables. Prevent leaf feeding insects.
- Animal Husbandry & Poultry: Keep animals and chickens in the shed and arrange for pure water. Regular clean water for milch cows and save from mosquitoes and for various diseases.

SAT : INSAT-3D IMG
IMG_TIR1 10.8 um
LIC Mercator

12-11-2020/(0830 to 0857) GMT
12-11-2020/(1400 to 1427) IST



362

938

IMD, DELHI

Figure: 1. Latest available satellite picture as on 12 November 2020 at 1427 Hrs (IST). (Source: IMD).

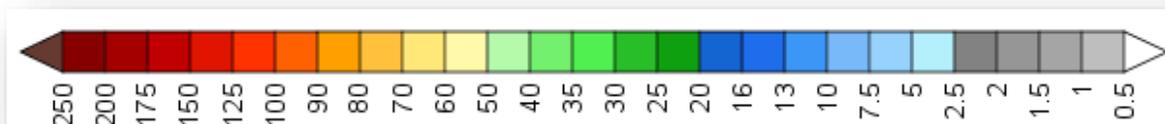
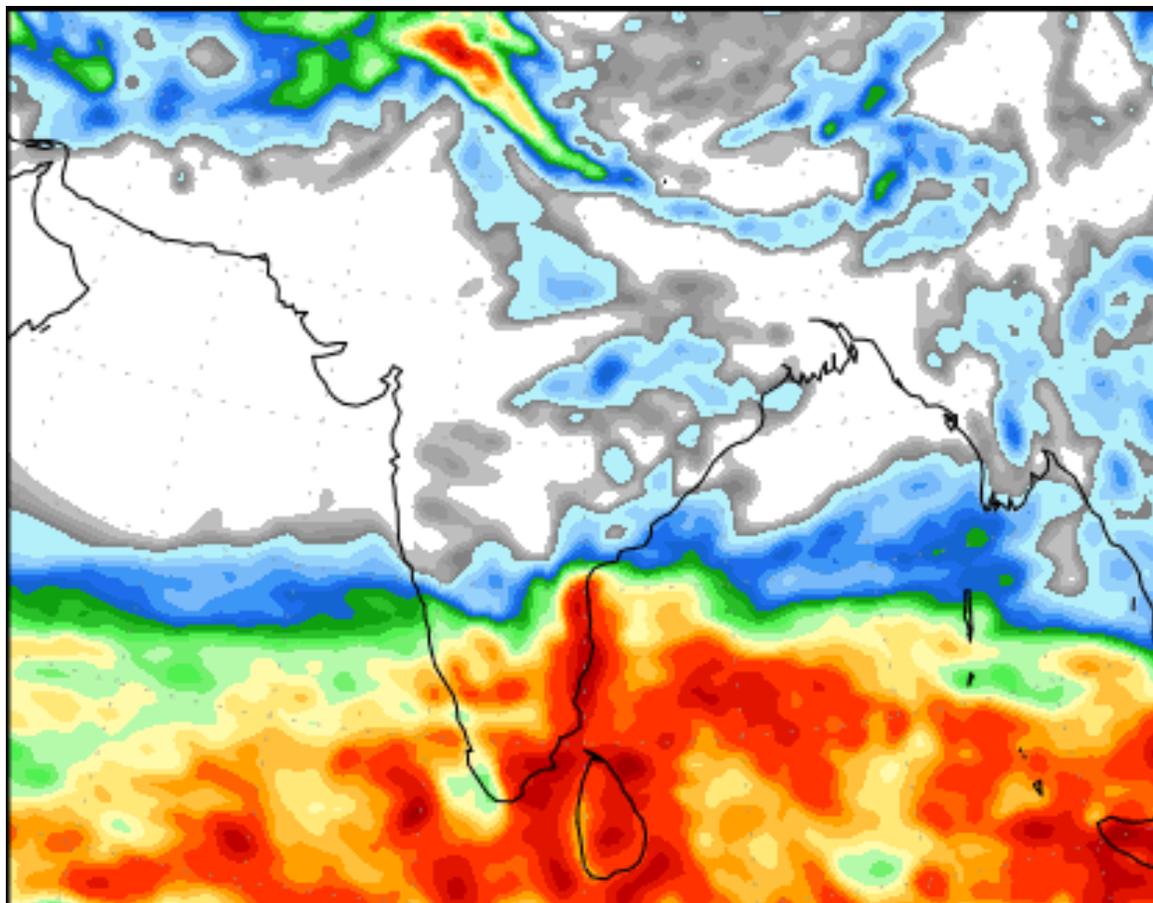


Figure:2. Precipitation forecast for 12 to 20 November 2020 (Source: NOAA NCEP).

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.