

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 09 November 2020

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Significant Weather Features (IMD)

- North-easterly wind likely to strengthen over extreme southern peninsular India at lower tropospheric levels during 11th - 13th November, 2020. Under its influence, Scattered rainfall with isolated heavy fall very likely over Tamil Nadu during the same period.
- Dry weather very likely 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 many places over Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe; at a few places over Andaman & Nicobar Islands and at isolated places over Rayalseema, Coastal Andhra Pradesh & Yanam and Lakshadweep.
- Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at a few places over Kerala & Mahe and at isolated places over Tamil Nadu, Puducherry & Karaikal.
- Maximum Temperature Departures as on 08-11-2020: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Kerala & Mahe; above normal (1.6°C to 3.0°C) at many places over Coastal Karnataka; at a few places over West Rajasthan, Saurashtra & Kutch, Konkan & Goa, Sub-Himalayan West Bengal & Sikkim and Nagaland, Manipur, Mizoram & Tripura and at isolated places over Himachal Pradesh, Lakshadweep, Gangetic West Bengal and Assam & Meghalaya. They were appreciably below normal (-3.1°C to -5.0°C) at isolated places over Haryana, Chandigarh & Delhi; below normal (-1.6°C to - 3.0°C) at isolated places over West Madhya Pradesh and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 36.8°C was reported at Veraval (Saurashtra & Kutch).
- Minimum Temperature Departures as on 09-11-2020: Minimum temperatures are above normal (1.6°C to 3.0°C) at most places over Lakshadweep; at many places

over South Interior Karnataka; at a few places over Coastal Karnataka and Kerala & Mahe and at Isolated places over West Rajasthan, Konkan & Goa and Andaman & Nicobar Islands. They are appreciably below normal (-3.1°C to -5.0°C) at many places over Odisha, Vidarbha and Telangana; at a few places over East Madhya Pradesh, East Rajasthan, Chhattisgarh; below normal (-1.5°C to -3.0°C) at most places over Gangetic West Bengal; at many places over Coastal Andhra Pradesh and Marathawada; at a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Bihar, Jharkhand and Sub-Himalayan West Bengal & Sikkim and at isolated places over Himachal Pradesh, Punjab, Uttar Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, West Madhya Pradesh, Madhya Maharashtra, North Interior Karnataka, Gujarat and Assam & Meghalaya and near normal over rest parts of the country. The lowest minimum temperature of 8.4°C reported at Umaria (East Madhya Pradesh) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 09 November (Day 1): Thunderstorm with lightning very likely at isolated places over Lakshadweep, Kerala & Mahe and Adman & Nicobar Islands.
- 10 November (Day 2): Nil.
- 11 November (Day 3): Heavy rainfall likely at isolated places over Tamilnadu, Puducherry & Karaikal. Thunderstorm with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal.
- 12 November (Day 4): Heavy rainfall likely at isolated places over Tamil Nadu, Puducherry & Karaikal. Thunderstorm with lightning likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.
- 13 November (Day 5): Heavy rainfall likely at isolated places over Tamil Nadu, Puducherry & Karaikal. Thunderstorm with lightning likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalaseema, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.
- The weather outlook for seven days i.e., 09 to 17 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)

Konkan region

Weather condition:

Atmospheric condition was cloudy during morning hours around Dapoli during last week. Therefore 8.1 to 10.3 Bright sunshine hours was recorded during last week. During last week 0.0 mm rainfall was recorded at Agrometeorological observatory, Dr. B.S.K.K.V. Dapoli. The maximum and minimum temperature ranged from 31.5 to 34.1 and 17.7 to 20.5 oC respectively. Wind velocity ranged from 1.5 to 2.9 km and wind was blowing from south westerly Direction.

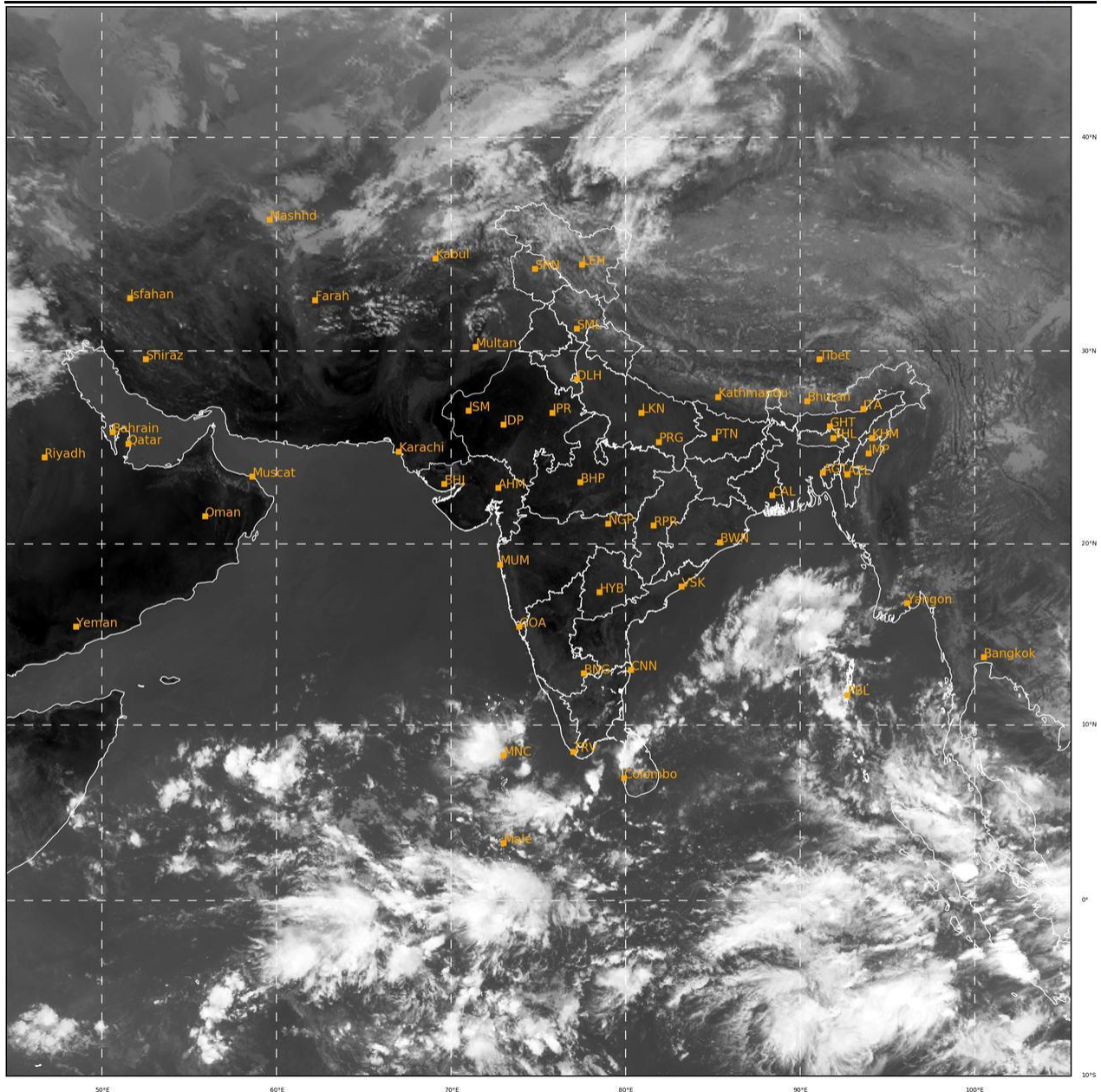
Contingency measure:

- **General advice:** Complete the cleaning of fruit crop orchard by removing weeds, diseased infected branches and maintain good sanitation.
- **SMS:** Due to increase in rate of evaporation, provide irrigation to irrigated fruit crops, nurseries and vegetable crops.
- **Kharif rice:** There is forecast of dry weather during next five days, complete the harvesting and threshing of the matured rice varieties, the threshed grains should be sun dry for 2 to 3 days before storage.
- **Finger millet/ Proso millet:** There is forecast of dry weather during next five days, complete the harvesting and threshing of the matured finger millet and proso millet. the threshed grains should be sun dry for 2 to 3 days before storage.
- **Horse gram:** For cultivation of horse gram on residual moisture, first spray glyphosate 5 ml per liter of water after harvesting of rice crop when soil reach at field capacity condition to control weeds and then sow the seed at a row spacing of 30 cm by dibbling without disturbing soil by any tillage operation. Fertilizer should be place by making hole adjacent to seed. For cultivation of horse gram by land preparation, plough the soil after harvest of kharif rice when it is in field capacity. Sow seed by dibbling at a row spacing of 30 cm. apply 540 gms urea, 3 kg single Super Phosphate and 1 kg murate of potash per guntha before sowing. In the both method of sowing, treat the seed with Thiram fungicide @3 gm/kg of seeds before sowing. After that treat the seed with Rhizobium biofertilizers @ 25 gms per kg and dry it shed one hours before sowing.
- **Cashewnut:** There is possibility of incidence of tea mosquito bug and thrips on flush of cashewnut. If incidence is noticed spray Monocrotophos 36%SL @ 15 ml or Lambda cyhalothrin 5%EC @ 6 ml per 10 liter. (The insecticide are not under label claim). To improve production of cashewnut, take 1st spray of 10 PPM ethrel at the vegetative stage.

- **Coconut:** Due to clear sky and increase in temperature accelerate evaporation, provide irrigation to coconut orchard at 8-10 days interval. Apply 30 liter of water per day to fully grown coconut tree by drip irrigation.
- **Arecanut:** Due to clear sky and increase in temperature accelerate evaporation, provide irrigation to arecanut orchard at 6-8 days interval.
- **Watermelon:** For the cultivation of watermelon, carryout primary tillage operation. prepare ridges and furrow having spacing of 2 X 0.50 m. apply 1.5 kg well decomposed FYM, 11g urea, 32 g single super phosphate and 10 g muriate of potash per vine and for hybrid varieties apply 2 kg well decomposed FYM, 20g urea, 32 g single super phosphate and 17 g muriate of potash per vine at the time of sowing. Before sowing, treat the seed with Thiram or Captan fungicide 3 grams per kg of seed for protection of seedlings from wilt disease. Provide light irrigation immediate after sowing.
- **Long yard bean:** For the cultivation of long yard bean, cultivate the land when it is at field capacity. Incorporate 4 to 6 tonne/acre FYM or compost at the time of ploughing. Prepare flat bed of 3 x 3 m size. Apply 60 gm urea, 300 gm single super phosphate and 45 gm muriate of potash per bed at the time of sowing. Sow 2-3 seeds at a spacing of 60 X 60 cm. Provide light irrigation after sowing.
- **Milch animal:** Vaccination against foot and mouth disease in farm animals under supervision of veterinary officers is advocated.

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

09-11-2020/(0800 to 0827) GMT
09-11-2020/(1330 to 1357) IST



381

939

IMD, DELHI

Figure: 1. Latest available satellite picture as on 09 November 2020 at 1357 Hrs (IST). (Source: IMD).

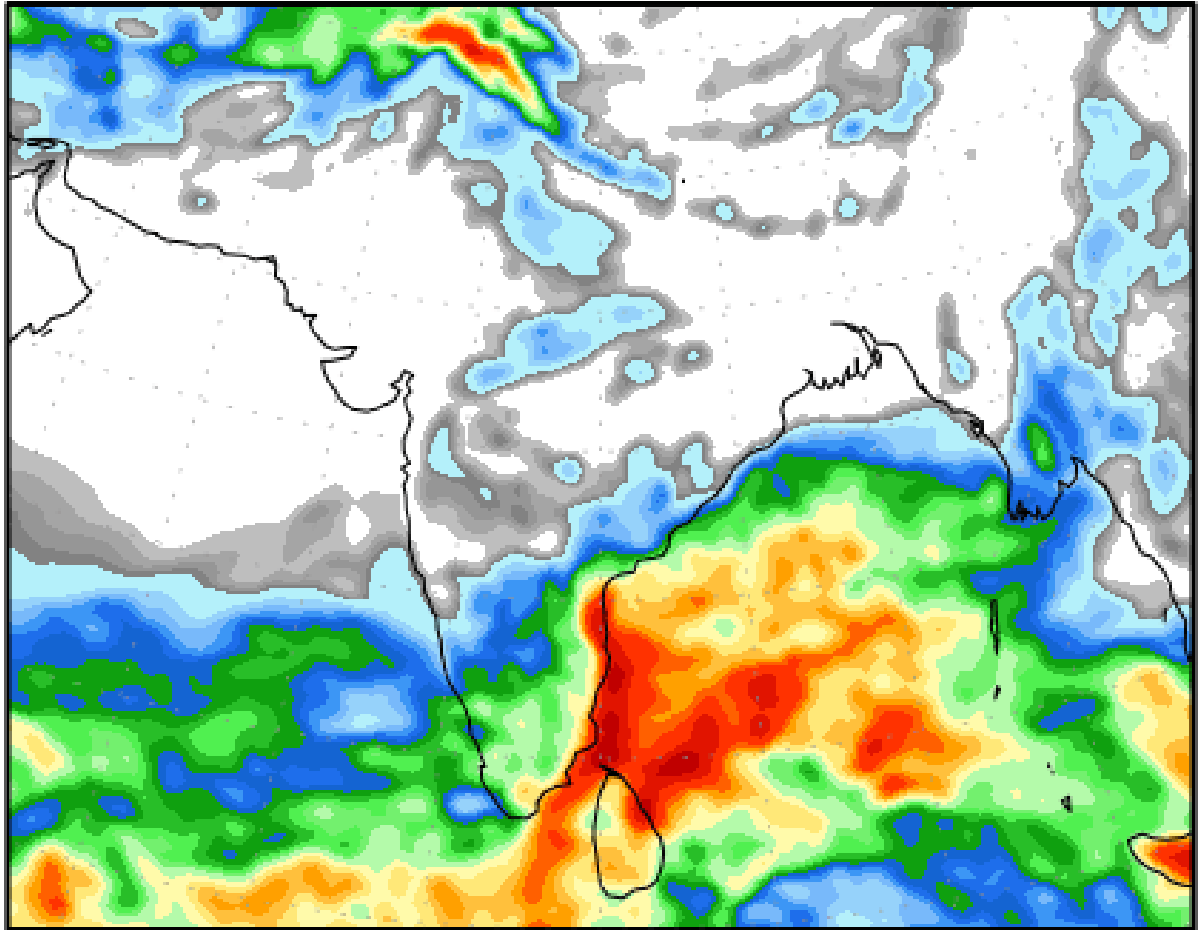


Figure:2. Precipitation forecast for 09 to 17 November 2020 (Source: NOAA NCEP).

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.