

All India Coordinated Research Project on Agrometeorology

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Daily Crop Weather Information as on 17 October 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Conditions are becoming favourable for withdrawal of Southwest Monsoon from entire country around 20th October, 2018. Also, conditions are likely to become favourable for onset of Northeast Monsoon thereafter. Ongoing enhanced rainfall activity over south peninsula is likely to continue for about 12 days.
- Heavy to very heavy rainfall occurred at isolated places over Kerala and heavy rainfall occurred at isolated places over North Coastal Andhra Pradesh, Telangana, Interior Karnataka and Tamilnadu during past 24 hours ending at 0830 hours IST 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 most places over Karnataka, Kerala and Lakshadweep; at many places over Tamilnadu & Puducherry and Andaman & Nicobar Islands; at a few places over Jammu & Kashmir, south Konkan & Goa, Rayalaseema and Coastal Andhra Pradesh; at isolated places over Madhya Maharashtra, Telangana and Sub Himalayan West Bengal & Sikkim.
- Maximum temperature departures as on 16.10.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Konkan & Goa and East Madhya Pradesh; above normal (1.6°C to 3.0°C) at most places over Vidarbha & Marathwada; at many places over West Madhya Pradesh; at a few places over East Rajasthan, Madhya Maharashtra & Rayalaseema; at isolated places over East Uttar Pradesh, West Rajasthan, Gujarat, Odisha & Gangetic West Bengal. They were markedly below normal (5.1°C or less) at a few places over Jammu & Kashmir; below normal (1.6°C to 3.0°C) at isolated places over Sub Himalayan West Bengal & Sikkim, Assam & Meghalaya, Kerala and Tamilnadu and near normal rest of the country.

- The highest maximum temperature of 39.0°C was recorded at Surendranagar (Saurashtra & Kutch) over plains of the country.
- Minimum temperature departures as on 17.10.2018: Minimum temperature are appreciable above normal (3.1°C to 5.0°C) at isolated places over Madhya Maharashtra; above normal (1.6°C to 3.0°C) at many places over East Rajasthan; at isolated places over Jammu & Kashmir, West Madhya Pradesh, Gujarat and north Konkan & Goa. They are appreciable below normal (3.1°C to 5.0°C) at many places over Bihar; at isolated places over East Uttar Pradesh and East Madhya Pradesh and below normal (1.6°C to 3.0°C) at most places over Assam & Meghalaya; at many places over Odisha and Chhattisgarh; at a few places over Himachal Pradesh, Uttarakhand, Gangetic West Bengal and Nagaland, Manipur, Mizoram & Tripura; at isolated places over West Uttar Pradesh and Vidarbha and near normal over rest of the country.
- The lowest minimum temperature of 12.0°C recorded at Jhansi (West Uttar Pradesh) over plains of the country.

Weather Warning during next 5 days (IMD)

- 17 October (Day 1): Heavy rainfall very likely at isolated places over Tamilnadu & Puducherry, Coastal & South Interior Karnataka, Kerala, Lakshadweep and Andaman & Nicobar Islands. Thunderstorm accompanied with lightning & gusty wind very likely at isolated places over Telangana, Rayalaseema, Coastal Andhra Pradesh, Coastal & Interior Karnataka, Kerala, Tamilnadu & Puducherry and Lakshadweep.
- 18 October (Day 2): Heavy rainfall very likely at isolated places over Tamilnadu & Puducherry, South Interior Karnataka and Kerala. Thunderstorm accompanied with lightning & gusty wind very likely at isolated places over Telangana, Rayalaseema, Coastal Andhra Pradesh, Coastal & Interior Karnataka, Kerala, Tamilnadu & Puducherry and Lakshadweep.
- 19 October (Day 3): No weather warning.
- 20 October (Day 4): No weather warning.
- 21 October (Day 5): No weather warning.
- The weather outlook for the period of seven days i.e 17 to 23 October 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Jammu & Kashmir, Sub Himalayan West Bengal & Sikkim, south Konkan & Goa, Madhya Maharashtra, Telangana Rayalaseema, Coastal Andhra Pradesh, Karnataka, Kerala, Tamilnadu &

Puducherry, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Haryana

Weather condition

Dry weather prevailed in Haryana state during past few days. Maximum temperature was below normal during the period. Minimum temperature was observed above normal during the period.

Contingency measure:

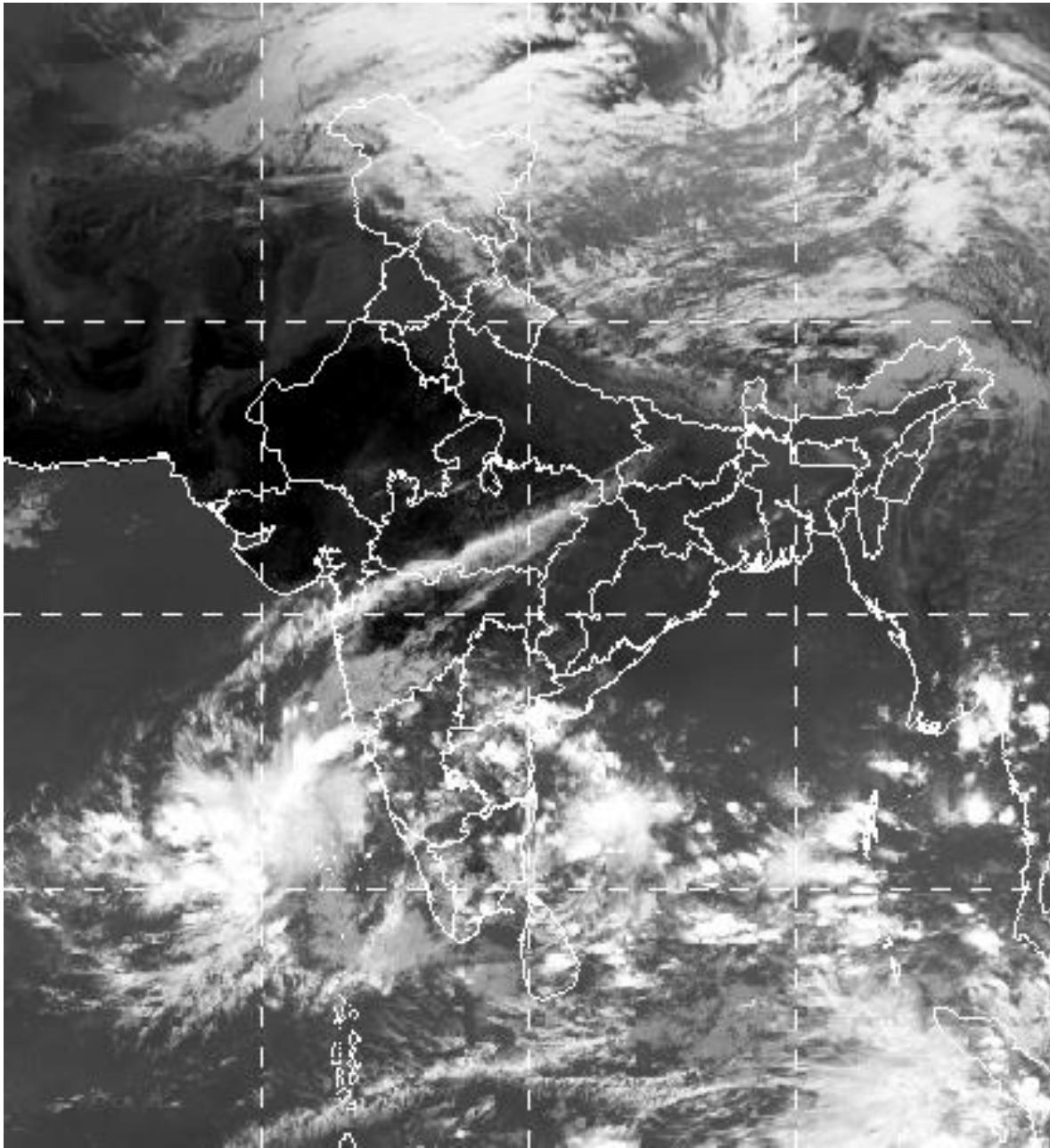
General Advisory: Possibilities of dry weather upto 17th October. Due to partial effect of WD, there will be chance of variable weather on 18 & 19th October with possibility of very light rainfall at one or two places during period. Mustard: Farmers are advised to procure the university recommended certified seeds and preparation of field for sowing of mustard crop.

Rice: Due to favourable weather, farmers are advised to monitor the infestation of paddy blast, if infestation/symptom observed than spray 120 gram tricyclazole (Bim or siviK) 75 WP mixed with 200 liter water per acre, spray when weather remain clear.

Cotton: Do picking the cotton after sunrise to evaporate the dew from the open cotton bolls. Bajra/guar: Possibilities of dry and variable weather farmers are advised to harvest & threshed the mature Bajra & Guar crops. Sugarcane: Farmers are advised to keep on vigilance for insect/pests in sugarcane crop.

Vegetables/ fruit crops: Keep vigil for sucking insect pest. Due to dry weather conditions may apply chemical spray if needed.

Live stock: Farmers are advised to keep the animals under well ventilated place and provide clean drinking water and green forage as per requirement. Provide the 50 grams iodized salt and 50 to 100 grams mineral mixture daily with feed & green fodder to keep them healthy. Keep clean around the animal shed to avoid the infestation of house fly, mosquitoes/others.



**Figure: 1. Latest available satellite picture as on 17 October 2018 at 0230 Hrs (IST).
(Source: IMD).**

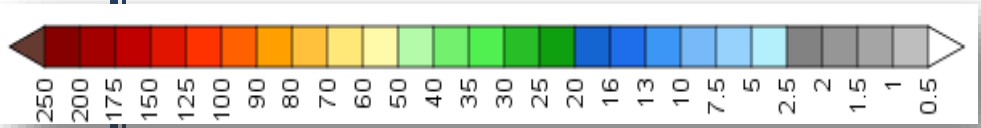
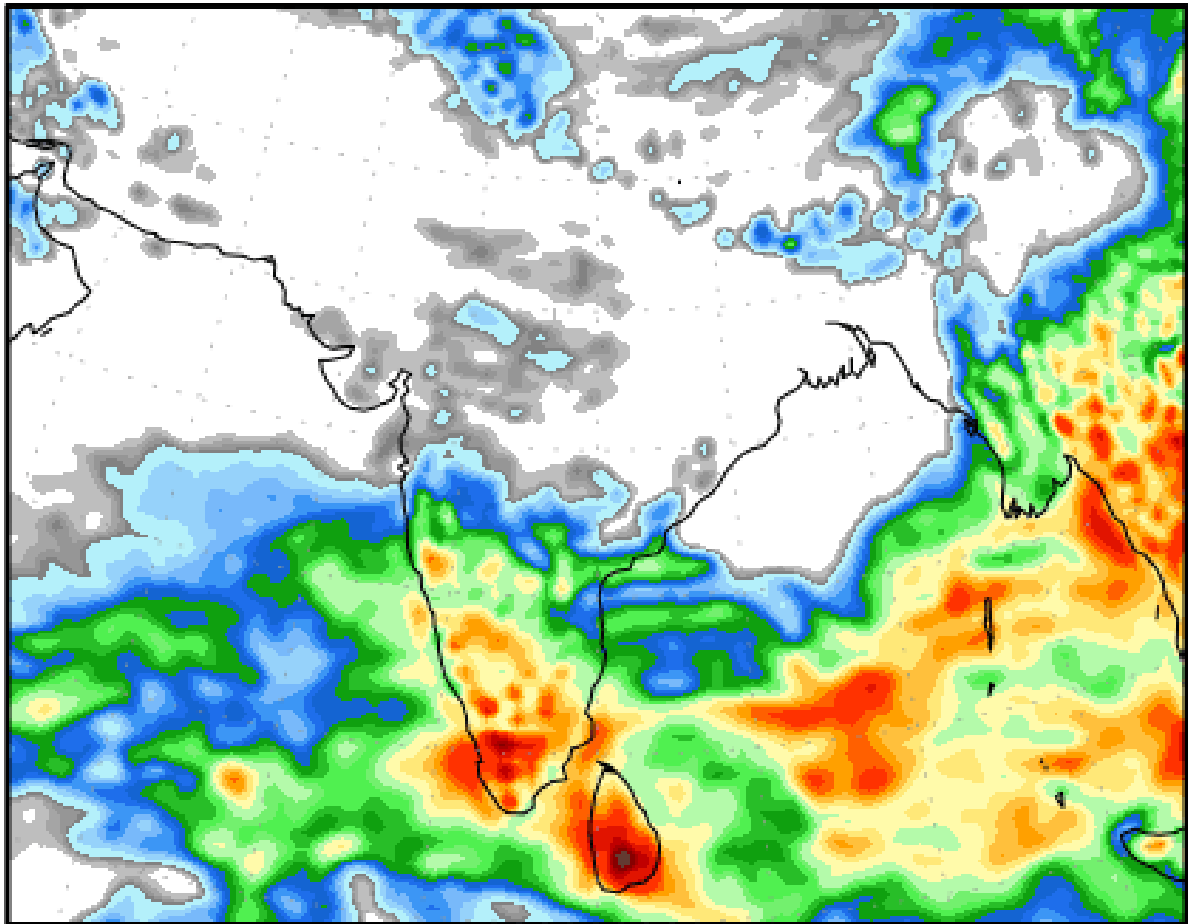


Figure: 2. Precipitation forecast for 17 to 23 October 2018 (Source: NOAA NCEP).