

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 23 April 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- A low pressure area is very likely to develop over Equatorial Indian Ocean and adjoining southwest Bay of Bengal to the southeast of Sri Lanka around 25th April. It is very likely to intensify into a depression during subsequent 36 hours. It is very likely to move northwestwards towards Tamilnadu coast across east coast of Srilanka and is likely to intensify into a Cyclonic Storm during the subsequent 48 hours.
- The images showing the latest satellite picture in 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 Kerala; at many places over Rayalaseema; at a few places over Tamilnadu & Puducherry, Sub-Himalayan West Bengal and Odisha and at isolated places over East Uttar Pradesh, Bihar, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura, Telangana, South Interior Karnataka, Chhattisgarh and Coastal Andhra Pradesh. Thunderstorms observed at a few places over Kerala; at isolated places over East Uttar Pradesh, Jharkhand, Chhattisgarh, Telangana, Coastal Andhra Pradesh, Rayalaseema, Tamilnadu & Puducherry, Sub-Himalayan West Bengal & Sikkim, and Assam & Meghalaya from 1130 hours IST yesterday to 0830 hours IST of today.
- Maximum temperature departures as on 22.04.2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a many places over Jammu & Kashmir and at isolated places over Assam & Meghalaya; above normal (1.6°C to 3.0°C) at many places over Rest West Rajasthan; at a few places over East Rajasthan, Himachal Pradesh, Tamilnadu & Puducherry and South Interior Karnataka and at isolated places over Saurashtra & Kutch, West Madhya Pradesh, Kerala, Coastal Andhra Pradesh and Punjab. They were appreciably below normal (-3.1°C to -5.0°C) at isolated places over Odisha and West Bengal & Sikkim. below normal (-1.6°C to -3.0°C) at isolated places over Bihar.

- Yesterday, the highest maximum temperature of 44.0°C was recorded at Phalodi (West Rajasthan) over the country.
- Minimum temperature departures as on 23.04.2019: Minimum temperatures are markedly above normal (5.1°C or more) at a few places over West Rajasthan; appreciably above normal (3.1°C to 5.0°C) at many places over Jammu & Kashmir; at above normal (1.6°C to 3.0°C) at most places over Uttrakhand; at many places over East Rajasthan and North Interior Karnataka; at a few places over Punjab, Madhya Maharashtra, South Interior Karnataka; at isolated places over Himachal Pradesh, Uttar Pradesh, Gujarat. They are markedly below normal (-5.1°C or less) at isolated places over Odisha; appreciably below normal (-3.1°C to -5.0°C) at isolated places over Telangana; below normal (-1.6°C to -3.0°C) at a few places over South Madhya Pradesh, Chhattisgarh, Marathwada and Kerala; at many places over Rayalaseema; at isolated places over Tamilnadu & Puducherry and near normal over rest parts of the country.

Weather Warning during next 5 days (IMD)

- 23 April (Day 1): Thunderstorm accompanied with squall (wind speed reaching 60-70 kmph) and lightning at isolated places very likely over Gangetic West Bengal. Thunderstorm accompanied with squall (wind speed reaching 50-60 kmph) and lightning at isolated places very likely over Bihar. Thunderstorm accompanied with gusty winds (wind speed reaching 50-60 kmph) and lightning at isolated places very likely over Assam & Meghalaya. Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning at isolated places very likely over Jharkhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh, South Interior Karnataka, Tamilnadu & Puducherry and Kerala. Thunderstorm accompanied with gusty winds (wind speed reaching 30-40 kmph) and lightning at isolated places very likely over Jammu & Kashmir. Heat Wave Conditions likely in isolated pockets over West Rajasthan.
- 24 April (Day 2): Thunderstorm accompanied with hail, gusty winds (wind speed reaching 30-40 kmph) and lightning at isolated places very likely over Himachal Pradesh. Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning at isolated places very likely over Jammu & Kashmir, Bihar, Gangetic West Bengal, Odisha and South Interior Karnataka. Thunderstorm accompanied with gusty winds (wind speed reaching 30-40 kmph) and lightning at isolated places very likely over Chhattisgarh. Thunderstorm/Duststorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning at isolated places very likely over West Rajasthan. Thunderstorm/Duststorm accompanied with gusty winds (wind speed reaching 30-40 kmph) and lightning at isolated places very likely over Uttar Pradesh. Heat Wave Conditions likely in isolated pockets over West Rajasthan.

- 25 April (Day 3): Thunderstorm accompanied with hail, gusty winds (wind speed reaching 30-40 kmph) and lightning at isolated places very likely over Himachal Pradesh. Thunderstorm accompanied with gusty winds (wind speed reaching 30-40 kmph) and lightning at isolated places very likely over Jammu & Kashmir. Thunderstorm/Duststorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning at isolated places very likely over and Rajasthan. Thunderstorm/Duststorm accompanied with gusty winds (wind speed reaching 30-40 kmph) and lightning at isolated places very likely over Haryana, Chandigarh & Delhi and Uttar Pradesh. Heat Wave Conditions in isolated pockets over East Rajasthan, East Madhya Pradesh and Vidarbha. Squally weather (wind speed reaching 30-40 kmph) likely over Equatorial Indian Ocean & adjoining southwest Bay of Bengal and along & off Srilanka coast.
- 26 April (Day 4): Heat Wave Conditions over some parts of Vidarbha and at isolated pockets over East Rajasthan and Madhya Pradesh. Squally wind speed reaching 40-50 kmph likely over Equatorial Indian Ocean & adjoining southwest Bay of Bengal and along & off Srilanka coast.
- 27 April (Day 5): Heat Wave Conditions likely in some parts of Vidarbha and at isolated pockets over Madhya Pradesh. Thunderstorm accompanied with squall (wind speed reaching 50-60 kmph) and lightning at isolated places very likely over Sub- Himalayan West Bengal & Sikkim. Thunderstorm accompanied with gusty winds (wind speed reaching 50-60 kmph) and lightning at isolated places very likely over Assam & Meghalaya. Thunderstorm accompanied with gusty winds (wind speed reaching 40-50 kmph) and lightning at isolated places very likely over Kerala, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura. Squally weather (wind speed reaching 50-60 kmph) likely over Equatorial Indian Ocean & adjoining southwest Bay of Bengal and along & off Srilanka coast.
- The weather outlook for the period of seven days *i.e* 23 to 30 April 2019 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Sub-Himalayan West Bengal, East Uttar Pradesh, Bihar, Chhattisgarh, Odisha, Rayalaseema, Telangana, Coastal Andhra Pradesh, South Interior Karnataka, Kerala, Tamilnadu & Puducherry and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Uttarakhand

Weather condition:

Light rainfall received in Uttarakhand state during past few days. Maximum temperature was near the normal while minimum temperature was slightly below the normal.

Contingency measure:

- Keep continue to sowing of barnyard millet, cheti dhan, ginger (Mid to high altitude) Maintain optimum soil moisture on milking/ grain filling stage of wheat.
- In Peach, Apricot, Infestation of Leaf curl is observed in field. Spray of suitable insecticide followed by fungicide and antibiotic (Streptocycline) can be done. The adhesive can also be used with spray solution.
- Regular monitoring of Apple orchards. Maintain optimum soil moisture. Remove the weeds from the basin. Beekeeping box installed in orchards. Mixture of micro nutrient can be spray for good growth.

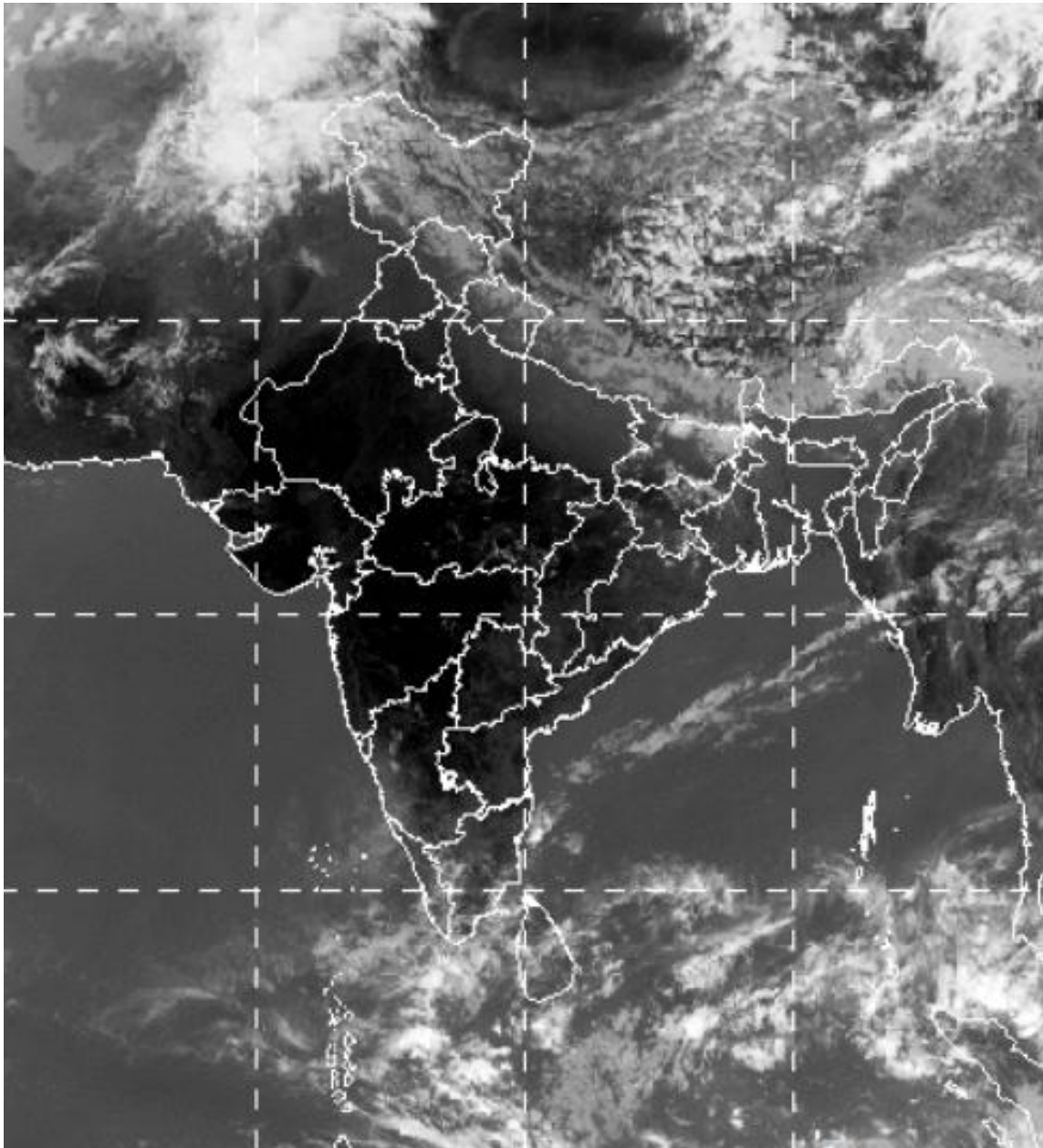


Figure: 1. Latest available satellite picture as on 23 April 2019 at 0230 Hrs (IST).

(Source: IMD).

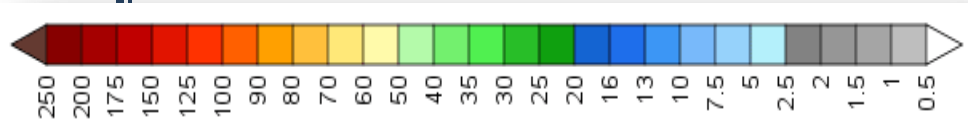
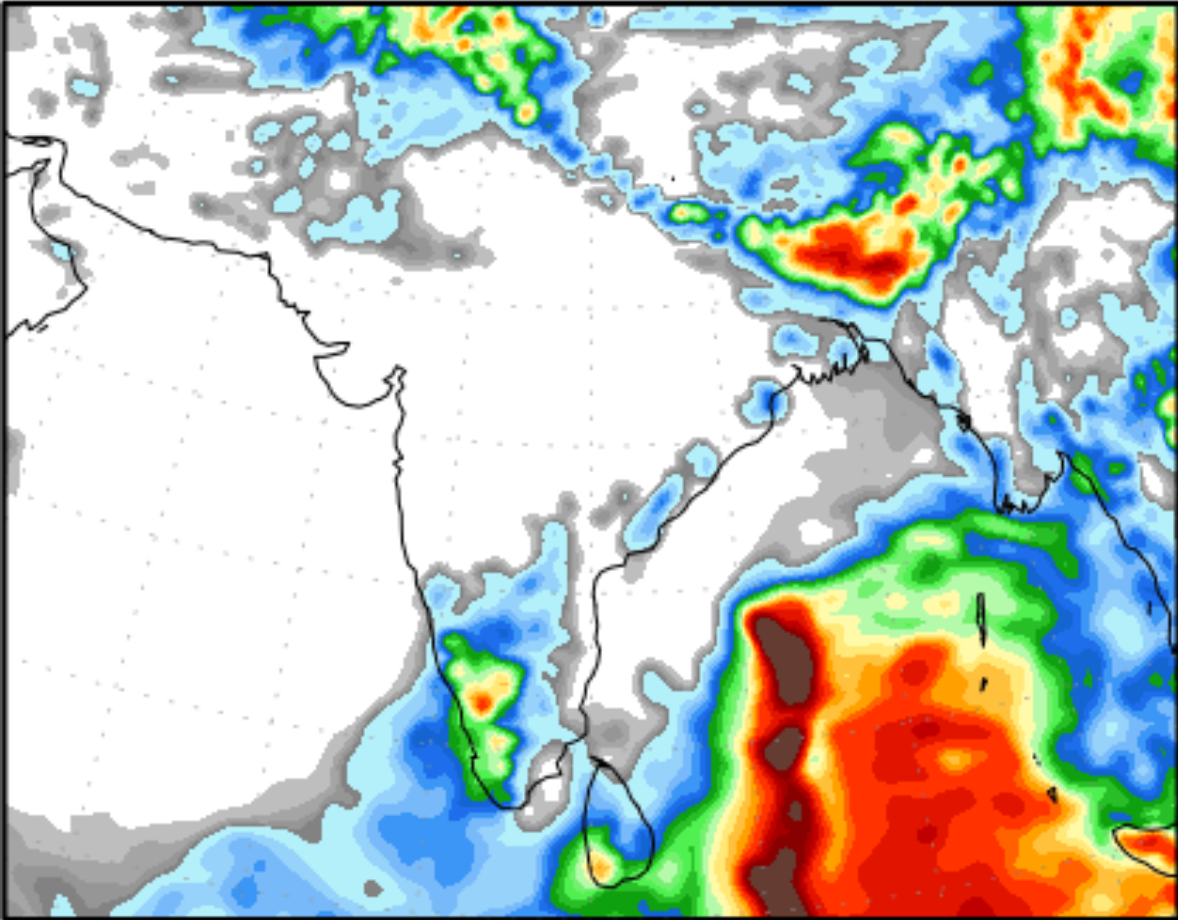


Figure: 2. Precipitation forecast for 23 to 30 April 2019 (Source: NOAA NCEP).