

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 15 May 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- A low pressure area has formed over southwest Arabian Sea & neighbourhood and associated cyclonic circulation extends upto 4.5 km above mean sea level. It is likely to move west northwest towards Gulf of Aden & adjoining areas and likely to concentrate into a depression during next 48 hours. It is not likely to affect Indian region, However fishermen are advised not to venture into southwest Arabian Sea.
- Thunderstorm observed at isolated places over Jammu & Kashmir, East Rajasthan, Odisha, Tripura, East Madhya Pradesh, Chhattisgarh, Telangana, Coastal Andhra Pradesh, Rayalaseema, Karnataka, Kerala and Tamilnadu & Puducherry from 1130 hours IST of yesterday to 0530 hours IST of today.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall observed (from 0830 hours to 1730 hours IST of yesterday): Rain/thundershowers observed at a few places over Sub Himalayan West Bengal & Sikkim and Odisha; at isolated places over Jammu & Kashmir, Tripura, East Madhya Pradesh, Coastal Andhra Pradesh, Telangana, South Interior Karnataka, Tamilnadu & Puducherry, Lakshadweep and Andaman & Nicobar Islands.
- Maximum temperature departures as on 14.05.2018: Maximum temperatures were appreciable above normal (3.1°C to 5.0°C) at isolated places over Konkan & Goa and Tamilnadu & Puducherry; above normal (1.6°C to 3.0°C) at a few places over Assam & Meghalaya, West Rajasthan, Saurashtra & Kutch and Vidarbha; at isolated places over Madhya Pradesh, Marathwada and Madhya Maharashtra; They were markedly below normal (5.1°C or more) at a few places over Uttar Pradesh; at isolated places over Odisha; appreciable below normal (3.1°C to 5.0°C) at most places over Sub Himalayan West Bengal & Sikkim, Bihar and Jharkhand; at many places over Punjab; at a few places over Jammu & Kashmir; below normal (1.6°C to 3.0°C) at many places over Haryana, Chandigarh & Delhi; at a few places over Karnataka; at isolated places over East Rajasthan, Chhattisgarh, Coastal Andhra Pradesh and Andaman & Nicobar Islands and near normal over rest of the country.
- The highest maximum temperature of 45.0°C recorded at Bramhapuri (Vidarbha).

- Minimum temperature departures as on 14.05.2018: Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over West Rajasthan; above normal (1.6°C to 3.0°C) at most places over Marathwada; at a few places over Gujarat & Madhya Maharashtra; at isolated places over Jammu & Kashmir, east Rajasthan, West Madhya Pradesh and Tamilnadu & Puducherry. They were markedly below normal (5.1°C or less) at isolated places over Uttar Pradesh & Gangetic West Bengal; appreciably below normal (3.1°C to 5.0°C) at most places over Bihar; at many places over Chhattisgarh and rest Uttar Pradesh; at a few places over Gangetic West Bengal & Odisha; at isolated places over Haryana, Chandigarh & Delhi, north Coastal Andhra Pradesh and Kerala; below normal (1.6°C to 3.0°C) at a few places over Punjab, East Madhya Pradesh & Coastal Karnataka and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 15 May (Day 1): Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) very likely at isolated places over Gangetic West Bengal. Thunderstorm accompanied with gusty winds very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, East Uttar Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Odisha, Bihar, Chhattisgarh, Coastal Andhra Pradesh, Telangana, South Interior Karnataka, Kerala and north Tamilnadu. Heavy rain very likely at isolated places over Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim. Heat wave conditions very likely at some places over West Madhya Pradesh, one or two places over East Madhya Pradesh & Vidharbha. Duststorm very likely at isolated places over Rajasthan.
- 16 May (Day 2): Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) very likely at isolated places over Gangetic West Bengal. Thunderstorm accompanied with gusty winds very likely at isolated places over Sub Himalayan West Bengal & Sikkim, Odisha, South Interior Karnataka and Kerala. Heavy rain very likely at isolated places over Assam & Meghalaya. Heat wave conditions very likely at some places over Vidharbha & West Madhya Pradesh, one or two places over East Madhya Pradesh.
- 17 May (Day 3): Thunderstorm accompanied with gusty winds very likely at isolated places over Sub Himalayan West Bengal & Sikkim. Heavy rain very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and South Interior Karnataka. Heat wave conditions very likely at some places over Vidharbha & West Madhya Pradesh, one or two places over East Madhya Pradesh.
- 18 May (Day 4): Heavy rain very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and South Interior Karnataka. Heat wave conditions very likely at some places over Vidharbha and at one or two places over West Madhya Pradesh.
- 19 May (Day 5): Heavy rain very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and South Interior Karnataka. Heat wave conditions very likely at some places over Vidharbha and at one or two places over West Madhya Pradesh.

Agricultural activities (AICRPAM-CRIDA)

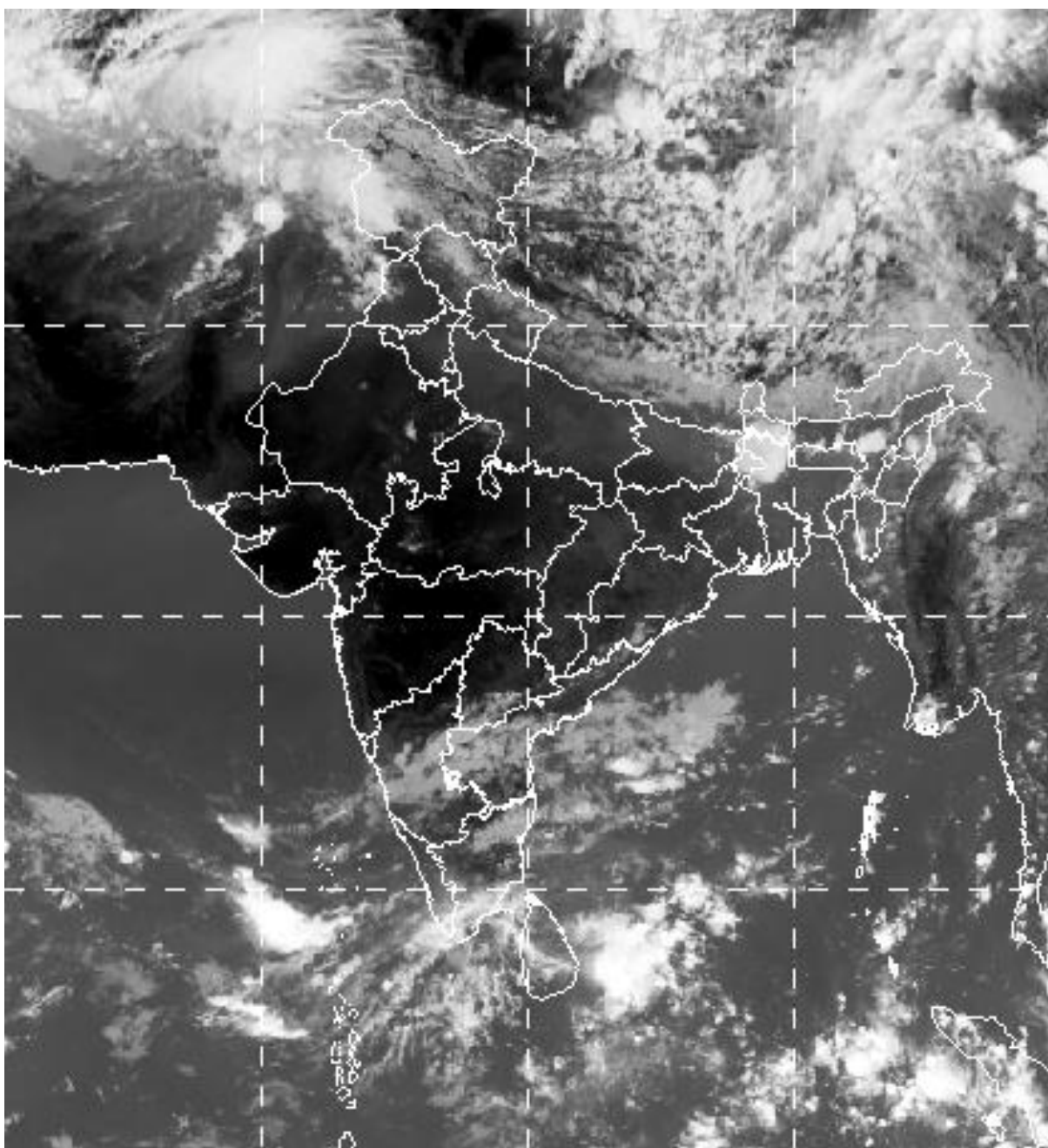
Marathwada region of Maharashtra

Weather condition

Dry weather prevailed in Marathwada region of Maharashtra state during past few days. Maximum temperature was range from 42.0 to 44.0 °C and the minimum temperature was ranges from 22.9 to 29.0 °C.

Contingency measure:

- Heat wave conditions very likely to prevail at some places over Marathwada. Maintain adequate moisture in the soil profile to reduce the impact of heat stress on summer crops with irrigating in the early morning or late afternoon.
- Farmers are advised to keep harvested groundnut in safe storage, as rainfall is forecasted over next two weeks. For storage, the moisture percent may be 8 to 10 %.
- To increase quality of citrus fruit, take a spray of 1 % potassium nitrate (10 g / litre of water) + 0.5 % Zinc (5 g/ litre of water), after the forecasted spell of rainfall. As high wind speed is prevailing, give support to newly planted citrus plants with the help of sticks.



**Figure: 1. Latest available satellite picture as on 15 May 2018 at 0230 Hrs (IST).
(Source: IMD).**