

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 24 May 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Conditions are becoming favourable for the advance of Southwest monsoon into South Andaman Sea & neighbourhood during next 48 hours.
- The Very Severe Cyclonic Storm "Mekunu" lies over westcentral & adjoining Southwest Arabian Sea about 180 km eastnortheast of Socotra Islands and 440 km south southeast of Salalah (Oman). It is very likely to intensify further during next 24 hours. It is very likely to move nearly northwards during next 24 hours and then north-north westwards and cross south Oman southeast Yemen coasts as a Very Severe Cyclonic Storm with wind speed of 160-170 kmph gusting to 190 kmph between 53°E and 55°E close to Salalah around 26th May 2018 morning. As the system is away from the Indian coast, no adverse weather is expected along and off west coast of India.
- Heat wave conditions are very likely to persist over parts of Northwest India and Central India during 24th 28th May.
- Heat wave conditions observed at some parts over East Rajasthan and West Madhya Pradesh; at one or two pockets over West Rajasthan, Haryana, Delhi, Uttar Pradesh and Saurashtra & Kutch.
- Thunderstorm observed at isolated places over Bihar, Nagaland, Manipur, Mizoram & Tripura, West Bengal & Sikkim, Odisha, Interior Karnataka, Lakshadweep, Telangana, Kerala and Tamilnadu from 0830 hours IST of yesterday to 0830 hours IST of today.
- Extremely heavy rain occurred at isolated places over Sub Himalayan West Bengal & Sikkim.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura; at a few places over Tamilnadu & Puducherry, Lakshadweep and Sub Himalayan West Bengal & Sikkim and at isolated places over Uttarakhand, Bihar, Gangetic West Bengal, Odisha, Rayalaseema, Madhya Maharashtra, Telangana and Coastal Andhra Pradesh.

- Maximum temperature departures as on 23.05.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over Haryana, Chandigarh & Delhi and Saurashtra & Kutch; at many places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand and West Madhya Pradesh and at isolated places over Assam & Meghalaya. above normal (1.6°C to 3.0°C) at most places over Punjab and Rajasthan; at many places over East Madhya Pradesh, Madhya Maharashtra, West Uttar Pradesh and Marathwada; at a few places over East Uttar Pradesh and Konkan & Goa; They were appreciably below normal (3.1°C to 5.0°C) at many places over Chhattisgarh and Odisha; below normal (1.6°C to 3.0°C) at most places over Coastal Andhra Pradesh; at many places over Jharkhand and Telangana; at a few places over Bihar and Tamilnadu & Puducherry and near normal over rest of the country.
- The highest maximum temperature of 46.7°C was recorded at Nowgong (East Madhya Pradesh).
- Minimum temperature departures as on 24.05.2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at many places over Uttar Pradesh and isolated places over Himachal Pradesh; above normal (1.6°C to 3.0°C) at most Places over East Rajasthan, Madhya Maharashtra, Marathwada and Sub Himalayan West Bengal & Sikkim; at many places over Bihar, Madhya Pradesh and Vidarbha; at a few places over Gujarat and Assam & Meghalaya; they are below normal (1.6°C to 3.0°C) at most Places over Coastal Karnataka; at a few places over Haryana, Chandigarh & Delhi and at isolated places over Jammu & Kashmir, Chhattisgarh, Odisha, Interior Karnataka, Kerala, Tamilnadu & Puducherry and Coastal Andhra Pradesh and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 24 May (Day 1): Heat wave conditions are very likely to occur at many parts of Rajasthan; at some parts of Haryana, Chandigarh & Delhi, West Madhya Pradesh and at one or two pockets over East Madhya Pradesh, north Gujarat Region, Kutch, Himachal Pradesh, Uttarakhand, Punjab and Uttar Pradesh. Heavy to very heavy rain very likely at isolated places over Sub Himalayan West Bengal & Sikkim; heavy rain very likely at isolated places over Arunachal Pradesh and Assam & Meghalaya, Tamilnadu & Puducherry and South Interior Karnataka. Thunderstorm accompanied with gusty winds very likely at isolated places over Kerala, interior Tamilnadu, Karnataka, Lakshadweep, north Coastal Andhra Pradesh, Telangana, Rayalaseema, Chhattisgarh, Gangetic West Bengal, Odisha, West Uttar Pradesh and Uttarakhand. Duststorm/thunderstorm likely at isolated places over Delhi.
- 25 May (Day 2): Heat wave conditions are very likely to occur at many parts of Rajasthan; at some parts of Haryana, Chandigarh & Delhi, West Madhya Pradesh and at one or two pockets over East Madhya Pradesh, Vidarbha, Himachal Pradesh, Uttarakhand, Punjab and Uttar Pradesh. Heavy to very heavy rain very likely at isolated places over Assam & Meghalaya; heavy rain very likely at isolated places over Sub Himalayan West Bengal & Sikkim, Arunachal Pradesh, Tamilnadu & Puducherry, Kerala and Andaman & Nicobar Islands. Thunderstorm accompanied with gusty winds very likely at isolated places over Kerala, interior Tamilnadu, South Interior & Coastal Karnataka and Lakshadweep.

- 26 May (Day 3): Heat wave conditions are very likely to occur at many parts of Rajasthan; at some parts of Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh and Vidarbha and at one or two pockets over East Madhya Pradesh, Jammu Division, Himachal Pradesh, Uttarakhand, Punjab and East Uttar Pradesh. Heavy to very heavy rain very likely at isolated places over Andaman & Nicobar Islands, Sub Himalayan West Bengal & Sikkim, Assam & Meghalaya and Kerala; heavy rain very likely at isolated places over Arunachal Pradesh, Tamilnadu & Puducherry and Lakshadweep.
- 27 May (Day 4): Heat wave conditions are very likely to occur at many parts of Rajasthan; at some parts of Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh and Vidarbha and at one or two pockets over north Gujarat region, Kutch, East Madhya Pradesh, Punjab and East Uttar Pradesh. Heavy rain at a few places with very heavy rain at isolated places likely over Kerala; heavy to very heavy rain likely at isolated places over Lakshadweep; heavy rain likely at isolated places over Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Manipur, Mizoram & Tripura and Coastal & South Interior Karnataka.
- 28 May (Day 5): Heat wave conditions are very likely to occur at many parts of Rajasthan; at some parts of Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Madhya Pradesh and Vidarbha and at one or two pockets over north Gujarat region, Kutch, East Madhya Pradesh, Punjab and East Uttar Pradesh. Heavy to very heavy rain at a few places with extremely heavy rain at isolated places likely over Kerala; heavy to very heavy rain likely at isolated places over Lakshadweep and Coastal Karnataka; heavy rain likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Manipur, Mizoram & Tripura and South Interior Karnataka.

Agricultural activities (AICRPAM-CRIDA)

Gujarat

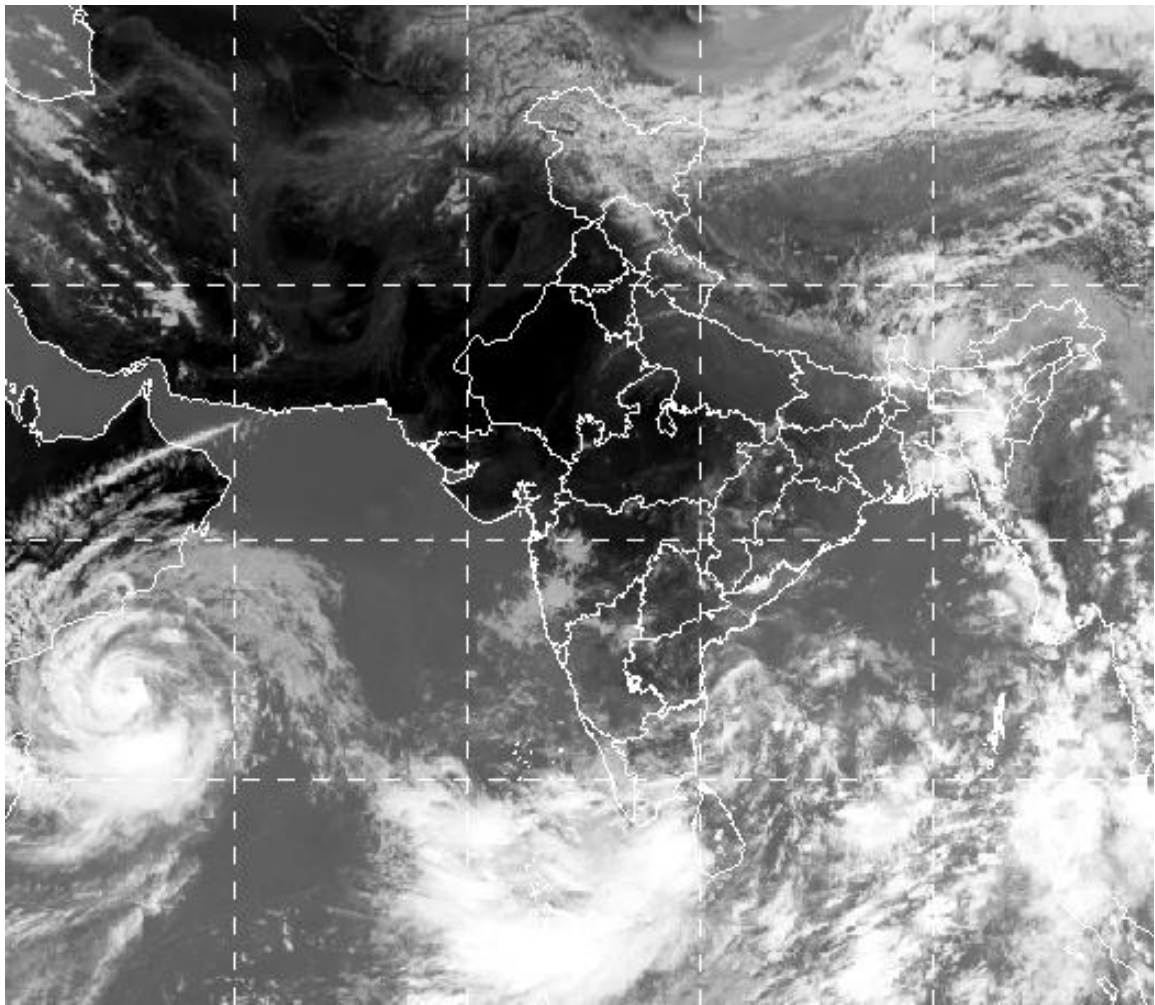
Weather condition

Dry weather prevailed in Gujarat state during past few days. The actual average maximum temperature is 2.3°C and minimum temperature is 0.1°C higher as compared to their normal values.

Contingency measure:

- Land preparation for next kharif crops. Apply irrigation as and when require in summer crops like pearl millet, green gram, cow pea, okra etc.
- Green gram : Pod maturity : Pick the mature pod and sundry. Pearl millet The crop is in grain maturation stage so arrange for bird watching. Tobacco soil solarization of field for nursery is advised.
- Summer Groundnut: Harvesting : protect crop from animal.

- Vegetable Crop: reproductive stage : harvest the mature fruit and send to market.
- Cattle: Cross breed cattle should be bathed thrice a day. 30-35 gm mineral mixture should be added in daily food. Roof should be covered with paddy straw. Cool drinking water should be given 4-5 times a day to avoid from heat wave.



**Figure: 1. Latest available satellite picture as on 24 May 2018 at 0230 Hrs (IST).
(Source: IMD).**