

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 16 May 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The well marked low pressure area over southwest Arabian Sea & neighbourhood moved slightly westwards and still lies over southwest Arabian sea & neighbourhood with associated cyclonic circulation extending upto 5.8 km above mean sea level. It is likely to move west northwestwards Gulf of Adan & adjoining areas and concentrate into a depression during next 24 hours. It is not likely to affect Indian region, however fishermen are advised not to venture into southwest Arabian Sea.
- The Western Disturbance as a trough in midtropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along Long. 82°E to the north of Lat. 34° N. The cyclonic circulation over Himachal Pradesh and neighbourhood at 1.5 km above mean sea level persists. Another cyclonic circulation over east Bihar and neighbourhood extending upto 1.5 km above mean sea level and a northsouth trough in the midtropospheric levels roughly along Long. 92°E to the north of 24°N. Under the influence of these systems, isolated to scattered rain with isolated squall/ gusty winds are likely over western Himalayan region and east India during next 24 hours. With the approach of the fresh Western Disturbance, rainfall over Western Himalayan Region is likely to increase with the possibility of thunderstorms accompanied with squall and hail during the subsequent 24 hours.
- Thunderstorm observed at isolated places over Punjab, Haryana, Chandigarh & Delhi, East Rajasthan Interior Karnataka, Tamilnadu & Puducherry, Assam & Meghalaya, Bihar, Chhattisgarh, Sub Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Kerala and Lakshadweep from 0830 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 to 1730 hours IST of yesterday): Rain/thundershowers observed at a few places Sub Himalayan West Bengal & Sikkim; at isolated places over Jammu & Kashmir, Assam & Meghalaya, East Rajasthan, west Madhya Pradesh, South Interior Karnataka, Tamilnadu & Puducherry and Andaman & Nicobar Islands.
- Maximum temperature departures as on 15.05.2018: Maximum temperatures were above normal (1.6°C to 3.0°C) at many places over Himachal Pradesh and West Rajasthan; at a few

places over Assam & Meghalaya, East Rajasthan, Saurashtra & Kutch, Konkan & Goa and Kerala and at isolated places over Andaman & Nicobar Islands. They were appreciable below normal (3.1°C to 5.0°C) at many places over Chhattisgarh and Rayalaseema; at a few places over Sub Himalayan west Bengal & Sikkim; at a few places over Odisha; below normal (1.6°C to 3.0°C) at most places over East Uttar Pradesh and North Interior Karnataka; at many places over west Uttar Pradesh, Bihar and Telangana; at a few places over Tamilnadu & Puducherry and at isolated places over Coastal Andhra Pradesh, Gangetic West Bengal & Sikkim, Haryana, Chandigarh & Delhi and near normal over rest of the country. Yesterday, the highest maximum temperature of 45.0°C was recorded at Phalodi (West Rajasthan).

- Minimum temperature departures as on 15.05.2018: Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over West Rajasthan; at a few places over Jammu & Kashmir; at isolated places over East Rajasthan and Gujarat region; above normal (1.6°C to 3.0°C) at a few places over Saurashtra & Kutch and West Madhya Pradesh; at isolated places over Punjab and East Madhya Pradesh. They were markedly below normal (5.1°C or more) at a few places over Chhattisgarh; at isolated places over Odisha, Assam & Meghalaya and Konkan & Goa; appreciably below normal (3.1°C to 5.0°C) at many places over Telangana; at isolated places over Vidarbha, Coastal Andhra Pradesh and Tamilnadu & Puducherry; below normal (1.6°C to 3.0°C) at most places over North Interior Karnataka; at a few places over Lakshadweep; at isolated places over Himachal Pradesh, Bihar and Coastal & South Interior Karnataka and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 16 May (Day 1): Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) very likely at isolated places over Gangetic West Bengal and Odisha. Thunderstorm accompanied with gusty winds very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Sub Himalayan West Bengal & Sikkim, Bihar, Jharkhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh, Coastal Karnataka, Tamilnadu & Puducherry and Kerala. Heavy rain very likely at isolated places over Assam & Meghalaya, Tamilnadu & Puducherry and Kerala.
- 17 May (Day 2): Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) very likely at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand. Thunderstorm accompanied with gusty winds very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and South Interior Karnataka. Heavy rain very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and South Interior Karnataka.
- 18 May (Day 3): Thunderstorm accompanied with squall (wind speed reaching 50-70 kmph) very likely at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand. Thunderstorm accompanied with gusty winds very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and South Interior Karnataka. Heavy rain very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and South Interior Karnataka.

- 19 May(Day 4): Thunderstorm accompanied with gusty winds very likely at isolated places over South Interior Karnataka. Heavy rain very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and South Interior Karnataka.
- 20 May (Day 5): Thunderstorm accompanied with gusty winds very likely at isolated places over South Interior Karnataka. Heavy rain very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and South Interior Karnataka.

Agricultural activities (AICRPAM-CRIDA)

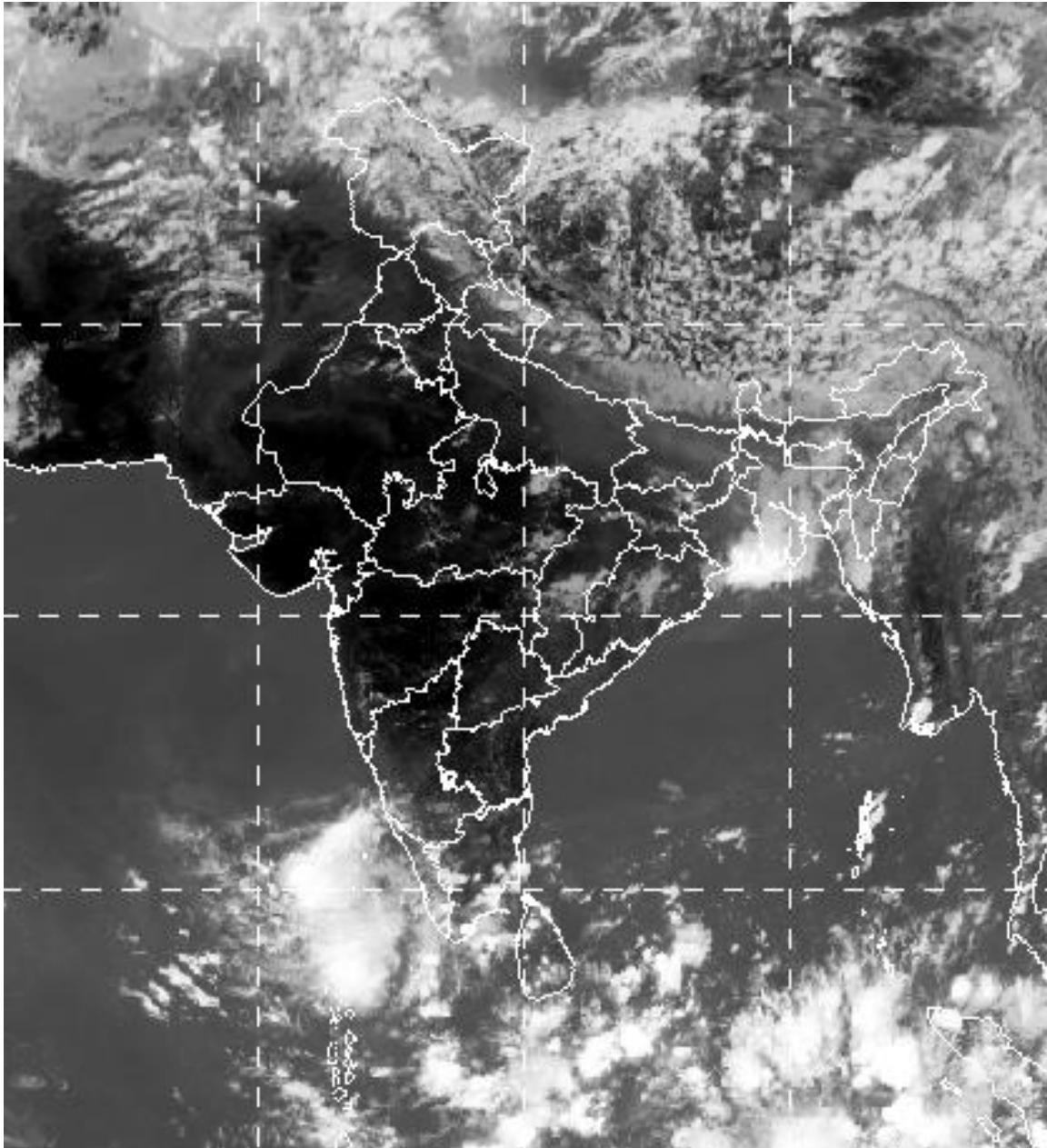
West Bengal

Weather condition

Light rainfall received in West Bengal state during past few days. Maximum temperature was range from 33.5 to 38.6 °C and the minimum temperature was ranges from 21.0 to 28.2 °C.

Contingency measure:

- Boro rice: In next five days, moderate to heavy rainfall is forecasted. Thus, farmers, who have harvested the crop, are advised to immediately transfer the harvested crops in a shaded place and those who have not harvested yet, kindly wait for few days.
- Jute: Complete the intercultural operations and after that apply top dressing. For crops of three-week stage, apply 6 to 7 Kg Urea (per bigha) as first top dressing and for crops of six-week stage apply the same amount of fertilizer as second top-dressing. Under prevalent weather situation, there is chance of the attack of weevil. To control it apply 2ml Endosulphan per lit. of water. But, wait for few days as rainfall is forecasted.
- Sesame: Pod development. Weeding should be done properly and as there is forecast of rainfall, do not need to irrigate the crop.
- Summer Vegetables: In the prevailing weather condition, there is a possibility of attack of the fungal diseases like fruit rot, stem rot or powdery mildew. To prevent it apply blitox (4 gram) or carbendazim (1 g) for rot and for powdery mildew apply hexaconazole or dinocap or propiconazole @ 1 ml per lt. water. Farmers are advised to spray on a clear day..



**Figure: 1. Latest available satellite picture as on 16 May 2018 at 0230 Hrs (IST).
(Source: IMD).**