

All India Coordinated Research Project on Agrometeorology

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Daily Crop Weather Information as on 22 May 2018

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Significant Weather Features (IMD)

- Conditions are becoming favourable for the advance of Southwest monsoon into South Andaman Sea & neighbourhood during next 2-3 days.
- The depression over southwest Arabian sea moved northwestwards with a speed of 11 kmph during past 6 hours and intensified into a Deep Depression and lay centred at 0830 hours IST of 22nd May 2018 over southwest Arabian Sea near lat 9.2°N & long 57.2°E, about 520 km southeast of Socotra islands and 930 km south east of Salalah (Oman). It is very likely to intensify further into a cyclonic storm during next 24 hours and into a severe cyclonic storm in subsequent 24 hours. It is very likely to move northwestwards and reach south Oman southeast Yemen coasts by 26th May 2018 morning.
- Significant thunderstorm activity is unlikely over northwest and central India during next 2-3 days. Maximum temperature likely to remain 2-3 ° C above normal leading to heat wave conditions at one or two pockets over plains of northwest and central India.
- Yesterday ,heat wave conditions observed at some places over Vidharbha and at one or two pockets over Madhya Maharashtra & West Madhya Pradesh.
- Thunderstorm observed at isolated places over Assam & Meghalaya, Interior Karnataka and Tamilnadu from 0830 hours IST of yesterday to 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 1730 hours IST of today): Rain/thundershowers observed at most places over South Interior Karnataka; at many places over Kerala; at a few places over Sub Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, north Tamilnadu & Puducherry; at isolated places over Assam & Meghalaya, Arunachal Pradesh, East Madhya Pradesh, Vidharbha, Telangana, Madhya Maharashtra, Coastal & North Interior Karnataka, Rayalaseema, Lakshadweep and Andaman & Nicobar Islands.
- Maximum temperature departures as on 21.05.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over Himachal Pradesh and

Uttarakhand; at many places over; at a few places over West Madhya Pradesh, Vidarbha and Assam & Meghalaya; at isolated places over Jammu & Kashmir, Haryana, Chandigarh & Delhi, Saurashtra & Kutch and Madhya Maharashtra; above normal (1.6°C to 3.0°C) at most places over East Rajasthan and Marathwada; at many places over Jammu & Kashmir, Punjab, West Rajasthan, West Madhya Pradesh and Gujarat region; at a few places over Haryana, West Uttar Pradesh, Sub Himalayan West Bengal & Sikkim, East Madhya Pradesh and Saurashtra & Kutch; at isolated places over East Uttar Pradesh, Konkan & Goa, Madhya Maharashtra, Vidarbha, Telangana, Interior Karnataka and Kerala. They were below normal (1.6°C to 3.0°C) at a few places over Chhattisgarh and Tamilnadu; at isolated places over Odisha and South Interior Karnataka and near normal over rest of the country.

- Today, the highest maximum temperature of 45.8°C recorded at Wardha (Vidarbha), Khargone (West Madhya Pradesh) and Phalodi (West Rajasthan) each.
- Minimum temperature departures as on 22.05.2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at a few places over Punjab, West Rajasthan, West Madhya Pradesh, Vidharbha and Sub Himalayan West Bengal & Sikkim; at isolated places over Himachal Pradesh, East Madhya Pradesh and Assam & Meghalaya; above normal (1.6°C to 3.0°C) at most places over Gangetic West Bengal; at many places over Bihar; at a few places over East Rajasthan, East Uttar Pradesh and Marathwada; at isolated places over Madhya Maharashtra and Saurashtra & Kutch. They are below normal (1.6°C to 3.0°C) at most places over Kerala; at a few places over North Interior Karnataka & Rayalaseema and at isolated places over Tamilnadu & Puducherry and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 22 May (Day 1): Thunderstorm accompanied with squall winds very likely at isolated places over Bihar. Thunderstorm accompanied with gusty winds very likely at isolated places over East Uttar Pradesh, East Madhya Pradesh, Vidharbha, Chhattisgarh, Jharkhand, West Bengal & Sikkim, Odisha, Telangana, Rayalaseema, Coastal Karnataka, South Interior Karnataka, Tamilnadu, Kerala and Lakshadweep. Heavy rain very likely at isolated places over Coastal & South Interior Karnataka, Tamilnadu & Puducherry and Kerala. Heat wave conditions very likely at some parts over Vidharbha; at one or two pockets over Rajasthan and Madhya Pradesh. Dust storm/Thunderstorm very likely at isolated places over Rajasthan.
- 23 May (Day 2): Thunderstorm accompanied with gusty winds very likely at isolated places over East Uttar Pradesh, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, South Interior Karnataka, Tamilnadu and Kerala. Heavy rain very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka, Tamilnadu & Puducherry and Kerala. Heat wave conditions over some parts with severe heat wave at one or two pockets very likely over Vidarbha; Heat wave conditions at one or two pockets over Rajasthan and Madhya Pradesh.
- 24 May (Day 3): Thunderstorm accompanied with gusty winds very likely at isolated places over Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, South Interior Karnataka and Kerala. Heavy rain very likely at isolated places over Arunachal Pradesh, Assam & Meghalaya, South Interior Karnataka and Kerala. Heat wave conditions over some parts with

severe heat wave at one or two pockets very likely over Vidarbha; Heat wave conditions at one or two pockets over Madhya Pradesh. Dust storm/Thunderstorm very likely at isolated places over Rajasthan.

- 25 May (Day 4): Heavy rain likely at isolated places over Arunachal Pradesh and Assam & Meghalaya. Heat wave conditions over some parts with severe heat wave at one or two pockets very likely over Vidarbha.
- 26 May (Day 5): Heavy rain likely at isolated places over Arunachal Pradesh and Assam & Meghalaya. Heat wave conditions over some parts with severe heat wave at one or two pockets very likely over Vidarbha.

Agricultural activities (AICRPAM-CRIDA)

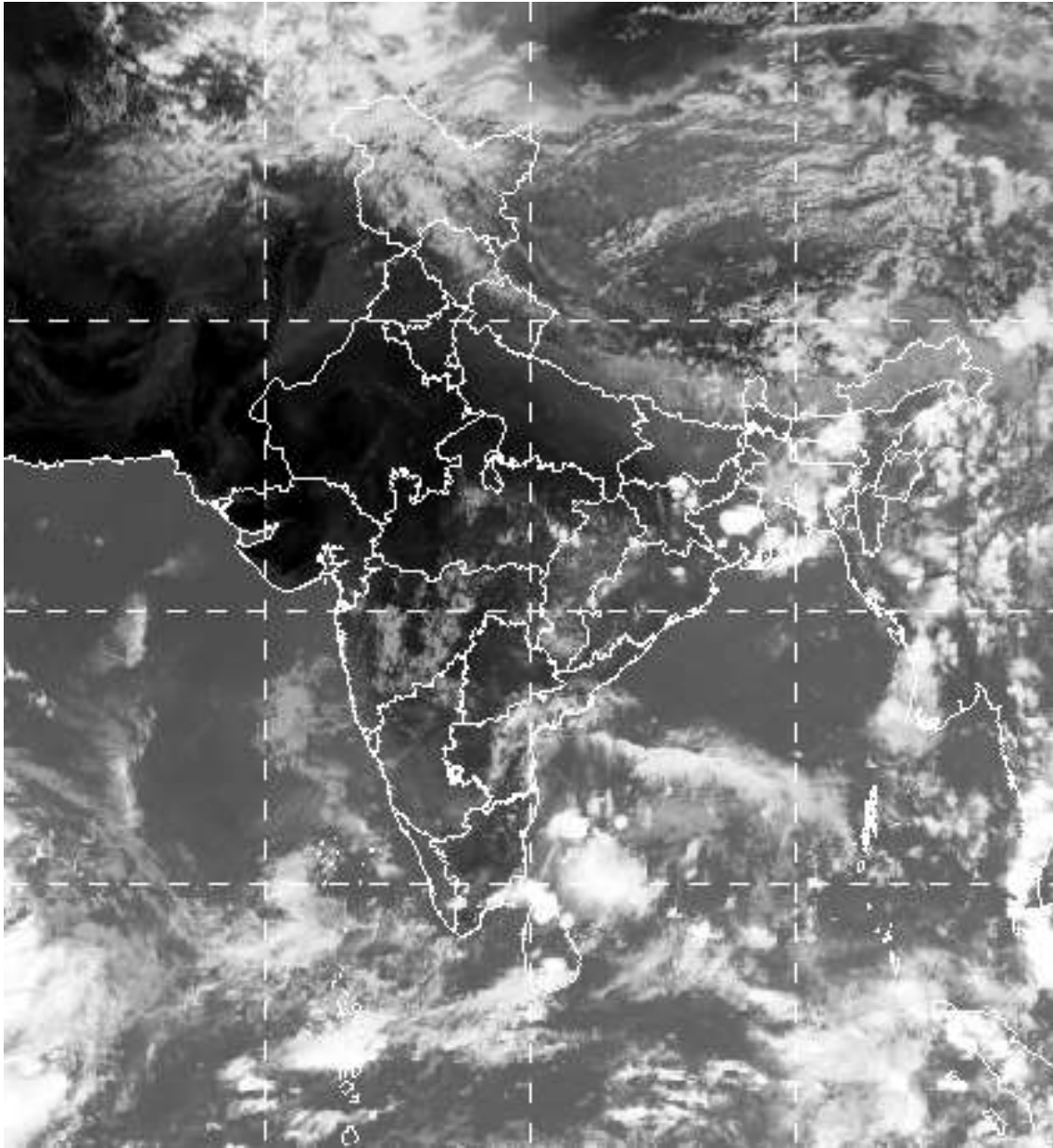
Assam

Weather condition

Light rainfall received in Assam state during past few days. Daily average maximum temperature was 26.5°C which was 3.5°C below normal and the average daily minimum temperature was 21.6°C which was 0.5°C below normal.

Contingency measure:

- Sali rice: In view of the substantial rainfall received during the last week, farmers are advised to initiate the field preparation operation. On an average 4-5 ploughing with traditional bullock drawn plough and 2-3 times soil turning with tractors or power tillers is suggested. This will help in exposing soil borne insect pest and also killing weeds. The adjacent areas should also be made free of weeds (use 2, 4-D @ 4-5 kg ai/ha for broad leaved weeds or glyphosate @40-50ml in 200 lts of water) that can act as alternate host for insect pest.
- Banana: Farmers should take the sword sucker of dwarf variety (Jahaji), medium tall variety (Chenichampa, Malbhog, Barjahaji) for planting. Size of the pit should be 1.2mX1.2m. Fertilizer should be applied as 12kg FYM, 110g Urea, 33g SSP & 330g MoP in every Pit. Carbofuran granules should be applied @40 g per corm after dipping in mud slurry to protect from corn borer.
- Papaya: Farmers can sow the seeds of papaya upto June month. The recommended varieties are Coorg Honey Dew, Washington, Halflong, Ranchi etc. D. Animal: It is the time for vaccination against the foot and mouth disease of domestic livestock's like cattle, goat and pigs.



**Figure: 1. Latest available satellite picture as on 22 May 2018 at 0230 Hrs (IST).
(Source: IMD).**