

All India Coordinated Research Project on Agrometeorology
CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 26 March 2022

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Forecast & Warnings:
- Strong southwesterly winds likely to continue to prevail from Bay of Bengal to northeastern states at lower tropospheric levels during next 24 hours. Under its influence;
 - i) Light to moderate fairly widespread rainfall very likely over Northeast India today, the 26th March and decrease thereafter.
 - ii) Isolated Heavy to very heavy rainfall also very likely over Meghalaya and isolated heavy rainfall over Arunachal Pradesh, Assam and Nagaland-ManipurMizoram today, the 26th March, 2022.
- Under the influence of trough/wind discontinuity over south Peninsular India at lower tropospheric levels;
 - i) Light to moderate isolated/scattered rainfall very likely over Kerala-Mahe, Tamil Nadu-Puducherry-Karaikal and Karnataka during next 5 days and over Coastal Andhra Pradesh & Rayalaseema today, the 26th March, 2022. Isolated heavy rainfall also very likely over Kerala-Mahe on 26th March, 2022.
 - ii) Isolated thunderstorm/lightning activity also very likely over Interior Karnataka on 26th March, over Tamilnadu-Puducherry-Karaikal on 26th & 27th March and Kerala & Mahe during next 5 days.
- Strong Surface Winds (25-35 kmph) very likely to prevail over Punjab, Haryana & Uttar Pradesh on 26th & 27th March, 2022.
- Dust Raising Winds (25-35 kmph) very likely to prevail over northern parts of Rajasthan on 28th & 29th March, 2022.
- Heat Wave conditions Forecast:
- Fresh Heat Wave Spell likely to commence in isolated pockets over West Rajasthan from 27th March, 2022 and extends gradually eastwards during subsequent 4 days. Heat Wave conditions very likely to prevail in isolated pockets over Himachal Pradesh & Gujarat State on 26th & 27th; over West Rajasthan during 27th-30th; over south Haryana, Vidarbha & West Madhya Pradesh during 28th-30th and over south Uttar Pradesh on 30th March 2022.

- The images showing the latest satellite picture in the figure. 1.

Main Weather Observations (IMD)

- Rainfall/thundershower observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at most places over Arunachal Pradesh; at many places over Assam-Meghalaya; at a few places over Tamil Nadu, Puducherry & Karaikal and at isolated places over Sikkim and Madhya Maharashtra.
- Extremely Heavy Rainfall observed in isolated places over Meghalaya and Heavy Rainfall in isolated places over Assam and Manipur.
- Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over North Interior Karnataka.
- Maximum Temperature Departures (as on 25-03-2022): Maximum temperatures were markedly above normal (5.1°C or more) at many places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Punjab, Himachal Pradesh and western parts of west Rajasthan; appreciably above normal (3.1°C to 5.0°C) at most places over Uttarakhand, Haryana-Chandigarh-Delhi, rest West Rajasthan, East Rajasthan, West Uttar Pradesh; at many places over Bihar and at isolated places over East Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim, northern Parts of Saurashtra & Kutch, central parts of Madhya Pradesh, western Parts of Vidarbha and Konkan & Goa; above normal (1.6°C to 3.0°C) at a few places over rest Vidarbha; at isolated places over Assam & Meghalaya, Gangetic West Bengal, rest Parts of Madhya Pradesh, rest Saurashtra & Kutch, Gujarat Region, Marathwada, Kerala and central Tamil Nadu, Puducherry & Karaikal. They were below normal (-1.6°C to -3.0°C) at isolated places over interior Tamil Nadu; at isolated places over south Madhya Maharashtra and Telangana and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 42.3°C was reported at Akola (Vidarbha) over the country.
- Minimum Temperature Departures (as on 26-03-2022): Minimum temperatures are markedly above normal (5.1°C or more) at a few places over Vidarbha and Chhattisgarh and at isolated places over Madhya Pradesh, Madhya Maharashtra, Jharkhand, JammuKashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Nagaland-Manipur-Mizoram-Tripura; appreciably above normal (3.1°C to 5.0°C) at many places over Uttar Pradesh, Gujarat state, Marathwada and West Bengal-Sikkim; at a few places over Rajasthan, Bihar and Odisha and at isolated places over Punjab, Haryana, Chandigarh & Delhi, Himachal Pradesh, Uttarakhand and Konkan & Goa; above normal (1.6°C to 3.0°C) at many places over Telangana and at a few places over Karnataka, Andhra Pradesh & Yanam, Tamil Nadu, PuducherryKaraikal and Andaman & Nicobar islands and near normal over rest

parts of the country. Today, the lowest minimum temperature of 12.8°C is reported at Amritsar (Punjab) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 26 March (Day 1): Heavy to very heavy rainfall at isolated places very likely over Meghalaya and Heavy rainfall at isolated places over Arunachal Pradesh, Assam, Nagaland-Manipur-Mizoram-Tripura and Kerala-Mahe. Heat wave conditions in isolated pockets very likely over Himachal Pradesh. Thunderstorm accompanied with lightning at isolated places very likely over south Gangetic West Bengal, coastal Odisha, Arunachal Pradesh, Assam-Meghalaya, Nagaland-Manipur-Mizoram-Tripura, Interior Karnataka, Tamilnadu-Puducherry-Karaikal and Kerala-Mahe.
- 27 March (Day 2): Heat wave conditions in isolated pockets very likely over Himachal Pradesh and West Rajasthan. Thunderstorm accompanied with lightning at isolated places very likely over Tamilnadu-Puducherry-Karaikal and Kerala-Mahe.
- 28 March (Day 3): Thunderstorm accompanied with lightning at isolated places very likely over Kerala-Mahe. Heat wave conditions in isolated pockets very likely over south Haryana, West Rajasthan, Vidarbha and West Madhya Pradesh.
- 29 March (Day 4): Thunderstorm accompanied with lightning at isolated places likely over Kerala-Mahe. Heat wave conditions in isolated pockets likely over south Haryana, West Rajasthan, Vidarbha and West Madhya Pradesh.
- 30 March (Day 5): Thunderstorm accompanied with lightning at isolated places likely over Kerala-Mahe. Heat wave conditions in isolated pockets likely over south Uttar Pradesh, south Haryana, West Rajasthan, Vidarbha and West Madhya Pradesh.
- The weather outlook for seven days i.e., 26 Mar to 03 Apr 2022 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) rain/thundershower may occur over Some parts of Extreme northern parts of India. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Maharashtra-Vidarbha

Weather condition:

Weekly average means (12 MW) at AICRPAM Akola centre: T max 40.7°C (normal 38.1°C), T min 20.9°C (normal 19.1°C). RH I 66 % (normal 42 %), RH II 14% (normal 16 %). Evaporation rate 9.0 mm (normal 9.9 mm), Wind speed 1.6 km/hr (normal 6.2 km/hr) and BSH 7.3 hrs (normal 9.0 hrs). Maximum temperature across the week was 2.6°C above normal with a deviation of +1.7 to +3.7°C from normal. Minimum temperature across the week 1.8°C above normal with a deviation of -0.4 to 4.2°C from normal.

Contingency measure:

- The forecast (IMD) indicates prevalence of mainly dry weather during 25 to 29 March.
- Undertake remaining harvest of matured Chickpea crop and ensure safe storage of harvested/threshed produce. Ensure timely harvest of matured wheat crop and ensure safe storage of harvested/threshed produce.
- In very late sown wheat crop being at grain development stage, undertake irrigation to avoid soil moisture deficit condition under prevailing hot and high evaporative weather condition.
- In summer crops with continuance of dry/hot weather, undertake irrigation during early morning or evening hours.
- For control of sap sucking pests of jassids, thrips and white fly in summer groundnut and sunflower, undertake spray of Imidacloprid 17.8 % EC @ 2.0 ml.per 10 liters of water. To protect from summer heat, make provision of shade/thatches (made of cotton/ pigeonpea stalks/dried grass or green net) to individual young/new plantation. For control sucking pest and powdery mildew of mango inflorescence undertake spray of Dimethoate 30% 16 ml + wettable sulfur 30 gm in 10 liters of water.
- For management fruit drop in mango undertake a spray of 10 PPM Napthalene acetic acid (Planofix @ 2.5 ml per 10 liter of water).
- Undertake need based irrigation in growing vegetables during early morning or evening hours. Preferably use micro irrigation.
- During hot summer weather, provide sufficient feed/forage, cold water, shelter from heat and follow proper grazing time (morning/evening) for farm/milch animals. Also give them protein-fat bypass supplement and mineral mixture in diet.

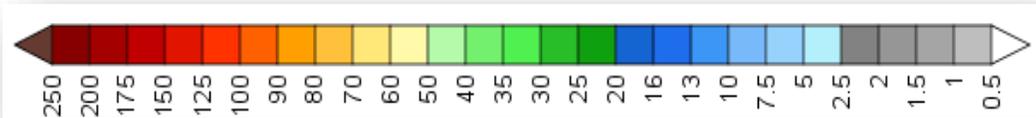
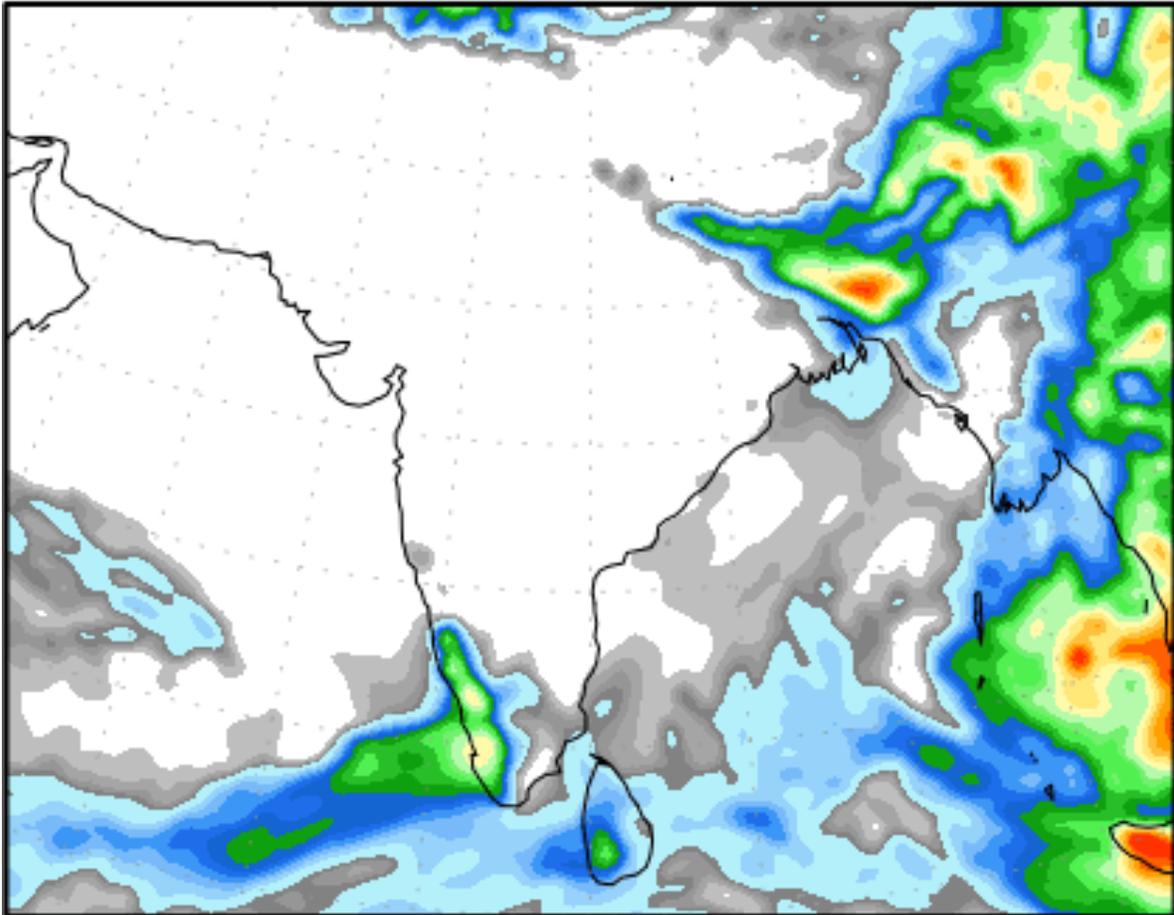


Figure:2. Precipitation forecast for 26 Mar to 03 Apr 2022 (Source: NOAA NCEP).

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