

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

**Daily Crop Weather Information as on 26 April 2022**

**Attention: Rajiv Maheshwari, OSD, ICAR**

**Significant Weather Features (IMD)**

- Heat wave conditions very likely to prevail in isolated pockets over
  - Vidarbha & interior Odisha during next 5 days;
  - Bihar & Sub-Himalayan West Bengal on 26th & 27th April;
  - Jharkhand, Gangetic West Bengal during 26th-29th April;
  - Gujarat state, Rajasthan, Uttar Pradesh, Madhya Pradesh during 27th-30th April;
  - Punjab, Haryana, Chandigarh & Delhi, Madhya Maharashtra & Chhattisgarh during 28th-30th April;
  - Telangana on 27th & 28th April, 2022.
- Rainfall/thunderstorm Forecast & Warnings:
- Under the influence of north-south trough over East India and strong southwesterly winds from Bay of Bengal to northeastern States at lower tropospheric levels:
  - i) Fairly widespread/widespread rainfall with thunderstorm/lightning/gusty winds (speed reaching 40-50 kmph) very likely over Arunachal Pradesh, Assam-Meghalaya and isolated/scattered rainfall over Nagaland-Manipur-Mizoram-Tripura & SubHimalayan West Bengal & Sikkim during next 5 days.
  - ii) Isolated heavy rainfall very likely over Arunachal Pradesh & Assam & Meghalaya on 26th, 27th, 29th & 30th April. Isolated hailstorm also likely over Assam & Meghalaya on 27th April.
- Under the influence of a fresh Western Disturbance; light/moderate isolated to scattered rainfall accompanied with isolated thunderstorm/lightning very likely over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad & Himachal Pradesh during 28th-30th and over Uttarakhand on 29th & 30th April, 2022. Isolated hailstorm also likely over Jammu & Kashmir on 28th April, 2022.
- Light isolated rainfall with Duststorm/thunderstorm/lightning/gusty winds likely over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh & Rajasthan on 29th April.

- Strong dust raising winds (speed reaching 25-35 kmph) very likely over Rajasthan during 26th-29th April.
- Due to trough/wind discontinuity over peninsular India in lower tropospheric levels: Isolated to scattered rainfall with thunderstorm/lightning very likely over Kerala, Karnataka, Tamil Nadu, Andhra Pradesh, Telangana and Rayalaseema during next 5 days.
- 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 North Interior Karnataka; at many over Arunachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad and Coastal Karnataka; at a few places over Assam-Meghalaya and South Interior Karnataka and at isolated places over Rayalaseema, Himachal Pradesh, Uttarakhand, Punjab, Haryana-Chandigarh-Delhi, Rajasthan, Chhattisgarh, Sub-Himalayan West Bengal-Sikkim, Odisha, Andaman-Nicobar Islands, Madhya Maharashtra, Konkan-Goa, coastal Andhra Pradesh-Yanam, Telangana, Tamilnadu-Puducherry-Karaikal, Nagaland-Manipur-Mizoram-Tripura and Kerala-Mahe.
- Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, West Rajasthan, Haryana-Chandigarh-Delhi, Madhya Maharashtra, Karnataka and Kerala & Mahe.
- Isolated hailstorm observed over Jammu & Kashmir, Madhya Maharashtra and Telangana. Duststorm/Thunderstorm & gusty winds observed at isolated places over Rajasthan, Haryana-Delhi & West Uttar Pradesh.
- Yesterday, Heat wave conditions prevailed in isolated pockets over south Gujarat Region, Bihar, Jharkhand, Odisha and West Bengal.
- Maximum Temperature Departures (as on 25-04-2022): Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Bihar; appreciably above normal (3.1°C to 5.0°C) at most places over Himachal Pradesh and Jharkhand; at many places over Punjab, Uttarakhand and West Rajasthan, Gangetic West Bengal and Konkan & Goa; at a few places over Gujarat State, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura and at isolated places over West Uttar Pradesh, East Madhya Pradesh, Odisha; above normal (1.6°C to 3.0°C) at most places over East Rajasthan and Haryana, Chandigarh & Delhi; at many places over East Uttar Pradesh, West Madhya Pradesh,

Chhattisgarh and Vidarbha, Coastal Karnataka; at a few places over Kerala & Mahe and at isolated places over Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and Madhya Maharashtra. They were below normal (-1.6°C to -3.0°C) at a few places over Arunachal Pradesh and Andaman & Nicobar Islands and at isolated places over Tamilnadu-PuducherryKaraikal and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 45.0°C was reported at Wardha (Vidarbha).

- Minimum Temperature Departures (as on 26-04-2022): Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at many places over Sub-Himalayan West Bengal & Sikkim; at a few places over Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal and West Rajasthan; at isolated places over Bihar; above normal (1.6°C to 3.0°C) at many places over East Uttar Pradesh and Punjab; at a few places over Assam & Meghalaya, Odisha, West Uttar Pradesh, Madhya Maharashtra, Telangana and Kerala & Mahe; at isolated places over Himachal Pradesh, West Madhya Pradesh and East Rajasthan. They are below normal (-1.6°C to -3.0°C) at many places over Coastal & North Interior Karnataka; at a few places over East Uttar Pradesh; at isolated places over East Madhya Pradesh and Saurashtra & Kutch and near normal over rest parts of the country. Today, the lowest minimum temperature of 19.2°C is reported at Ujjain (West Madhya Pradesh) over the plains of the country.

### **Weather Warning during the next 5 days (IMD)**

- 26 April (Day 1): Thunderstorm accompanied with lightning/gusty winds (speed 40-50 kmph) at isolated places very likely over Assam-Meghalaya and Nagaland-Manipur-Mizoram-Tripura; with lightning/gusty winds (speed 30-40 kmph) at isolated places over Telangana and with lightning at isolated places over Arunachal Pradesh, Konkan-Goa, Madhya Maharashtra, Marathwada, south Chhattisgarh, Rayalaseema, Karnataka, Tamilnadu-Puducherry-Karaikal and Kerala-Mahe. Heavy rainfall at isolated places very likely over Arunachal Pradesh and Assam-Meghalaya. Heat wave conditions in some parts very likely over Vidarbha and in isolated pockets over Bihar, Jharkhand, West BengalSikkim and interior Odisha.
- 27 April (Day 2): Thunderstorm accompanied with lightning/gusty winds & hail (speed 40-50 kmph) at isolated places very likely over Assam-Meghalaya; with lightning/gusty winds (speed 40-50 kmph) at isolated places over NagalandManipur-Mizoram-Tripura; with lightning/gusty winds (speed 30-40 kmph) at isolated places over Telangana and with lightning at isolated places over Arunachal Pradesh, Konkan-Goa, Madhya Maharashtra, Marathwada, south

Chhattisgarh, Karnataka and Kerala-Mahe. Heavy rainfall at isolated places very likely over Assam-Meghalaya and Arunachal Pradesh. Heat wave conditions in some parts very likely over Vidarbha and in isolated places over Uttar Pradesh, Rajasthan, Madhya Pradesh, Bihar, Jharkhand, West Bengal-Sikkim, interior Odisha, Gujarat State and Telangana.

- 28 April (Day 3): Thunderstorm accompanied with lightning & hail at isolated places very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad; with lightning/gusty winds (speed 30-40 kmph) at isolated places over Telangana and with lightning at isolated places over Himachal Pradesh, Assam-Meghalaya, Konkan-Goa, Madhya Maharashtra, south Chhattisgarh and Kerala-Mahe. Heat wave conditions in isolated pockets very likely over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Gangetic West Bengal, interior Odisha, Gujarat State, Telangana and north Madhya Maharashtra.
- 29 April (Day 4): Thunderstorm accompanied with lightning/gusty winds ( speed 40-50 kmph) at isolated places likely over Assam-Meghalaya and with lightning at isolated places over Arunachal Pradesh, Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, south Chhattisgarh and Kerala & Mahe. Duststorm/Thunderstorm at isolated places likely over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh and north Rajasthan. Heavy rainfall at isolated places likely over Arunachal Pradesh and Assam-Meghalaya. Heat wave conditions in isolated pockets likely over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Gangetic West Bengal, interior Odisha, Gujarat State and north Madhya Maharashtra.
- 30 April (Day 5): Thunderstorm accompanied with lightning at isolated places likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh, Uttarakhand, south Chhattisgarh, Rayalaseema and Kerala-Mahe. Heavy rainfall at isolated places likely over Arunachal Pradesh and Assam-Meghalaya. Heat wave conditions in isolated pockets likely over Punjab, Haryana-Chandigarh-Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, interior Odisha, Gujarat State and north Madhya Maharashtra.
- The weather outlook for seven days i.e., 26 Apr to 04 May 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)

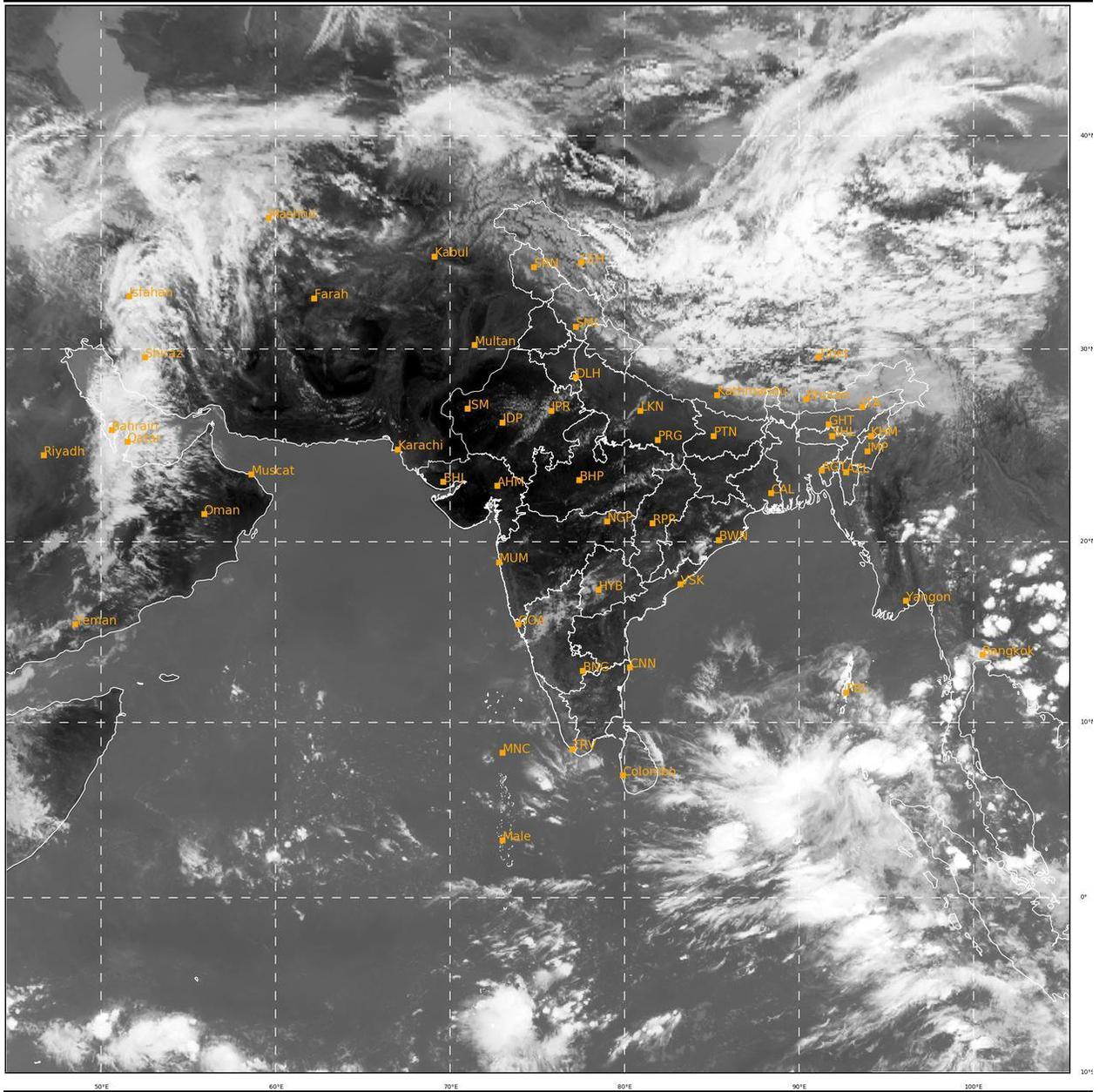
### **Eastern U.P**

#### **Weather condition:**

Dry weather in all the region. Average maximum and minimum temperature was 2-3°C above the normal.

#### **Contingency measure:**

- Looking dry weather of the regions farmers are advised for threshing of wheat and pigeon pea crop very soon
- They are advised for irrigation at shorter interval in sugarcane, mung and zaid vegetables etc. In view of looking the higher evaporative demand.
- Under optimum moisture conditions, they are advised for interculture operations as to save them under moisture stress conditions
- Summer ploughing in fallow lands for reducing the infestation of weeds and also harmful insect-pest/diseases and to increase the soil moisture retention capacity of the field.
- There is possibility of fruit drops in the citrus, hence advised to spray 2,4-D@ 1 ppm solution.

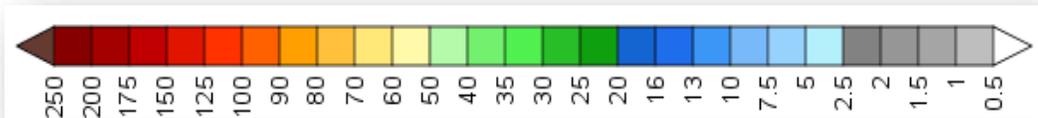
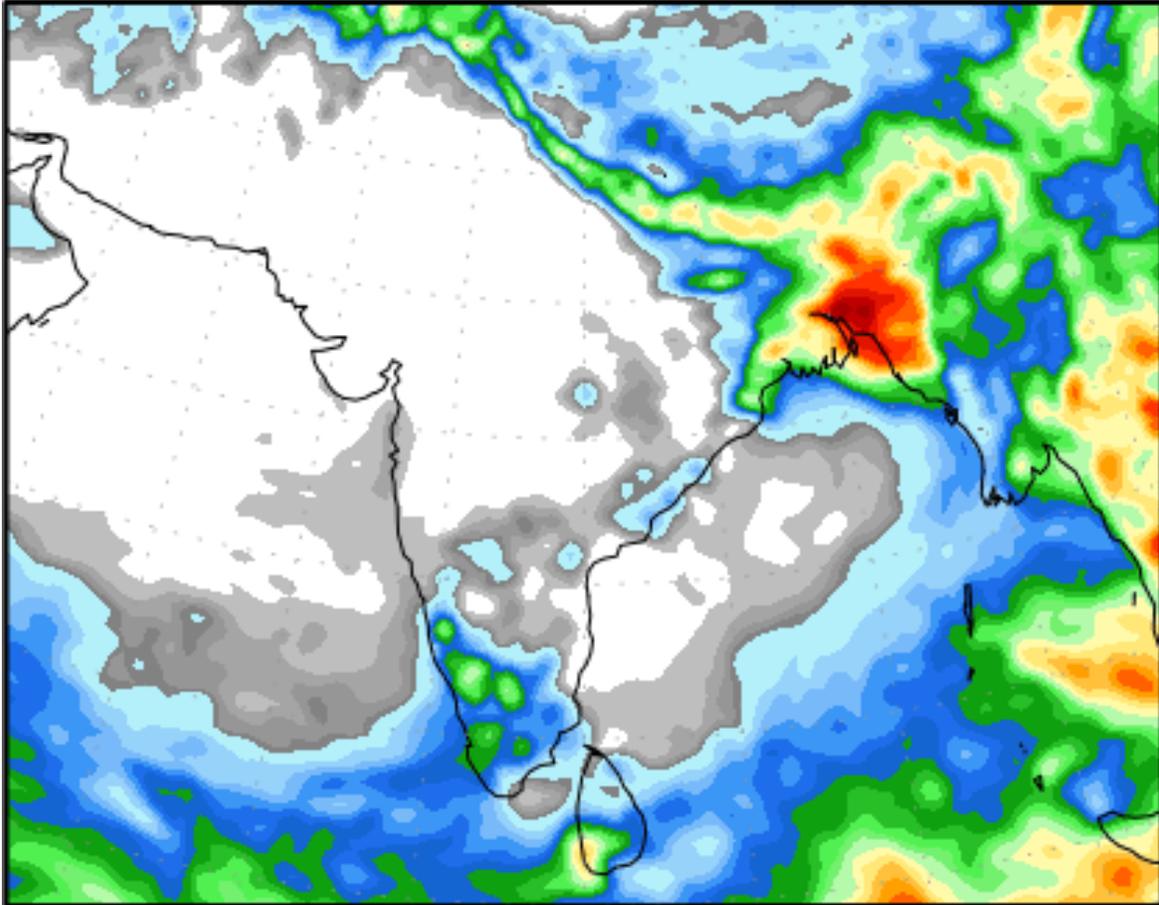


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IMD, DELHI

Figure: 1. Latest available satellite picture as on 26 Apr 2022 at 1356 Hrs (IST). (Source: IMD).



**Figure:2. Precipitation forecast for 26 Apr to 04 May 2022 (Source: NOAA NCEP).**

*Disclaimer: The predictability of weather depends on many dynamic factors. The success of Agromet advisories provided here depends on the accuracy of the forecasts. In no event will India Meteorological Department (IMD) and Indian Council of Agricultural Research (ICAR) be liable to the user or any third party for any direct, indirect, incidental, consequential, special or exemplary damages or lost profit resulting from any use or misuse of the information on this bulletin.*