

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

Daily Crop Weather Information as on 05 May 2021

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Under the influence of a Western Disturbances, scattered to fairly widespread rainfall/thundershower very likely over Western Himalayan Region and isolated to scattered rainfall/thunderstorms is likely over plains of northwest India during next 4-5 days. Isolated heavy rainfall is also very likely over Uttarakhand on 5 & 6 May, 2021 and over Himachal Pradesh on 5 May, 2021.
- An east-west trough runs from Punjab to Assam at lower levels. This east-west trough is very likely to persist during next 3-4 days. A trough in westerlies runs roughly along longitude 89°E to the north of latitude 18°N in middle & upper tropospheric levels. Another trough in lower tropospheric levels runs roughly along longitude 85°E to the north of latitude 22°N in lower tropospheric levels.
- Under their influence, fairly widespread to widespread rainfall/thunderstorm activity is very likely over northeastern states and West Bengal & Sikkim; and scattered rain/thundershower likely over rest parts of east India during next 4-5 days.
- Isolated heavy rainfall is also likely over Arunachal Pradesh during 6 to 9 May, Assam & Meghalaya during 5 to 9 May and Nagaland, Manipur, Mizoram & Tripura during 7 to 9 May; Sub Himalayan West Bengal & Sikkim on 5 to 8 May; Odisha on 5 May, 2021; with isolated very heavy falls also likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 9 May. Thunderstorm & lightening activity accompanied with gusty winds is also likely over most parts of the above regions during next 4-5 days.
- Under the influence of a cyclonic circulation over north interior Karnataka and a north-south trough over south Peninsula at lower levels, light/moderate scattered to fairly widespread rain/thunder is very likely over Kerala & Mahe, Lakshadweep and Coastal & South Interior Karnataka; and isolated rain/thundershower over rest parts of south Peninsular India during next 5 days. Isolated heavy rainfall is also likely over Kerala & Mahe and Coastal & South Interior Karnataka from 5 to 6 May, 2021 and over south Tamilnadu on 5 May, 2021.

- No heat wave is likely over any part of the country during next 4-5 days.
- The images showing the latest satellite picture in the figure. 1.

Main Weather Observations (IMD)

- Rain/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hrs IST of today): at most places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Uttarakhand and Himachal Pradesh; at many places over Jammu, Kashmir, Ladakh, Gilgit, Baltistan, Muzaffarabad, Coastal & South Interior Karnataka, Kerala & Mahe and Lakshadweep; at a few places over Assam & Meghalaya, Odisha and North Interior Karnataka, and Tamilnadu, Puducherry & Karaikal and at isolated places over Andaman & Nicobar Islands, Haryana, Chandigarh & Delhi, Uttar Pradesh, West Rajasthan, Gangetic West Bengal, Chhattisgarh and Coastal Andhra Pradesh & Yanam.
- Heavy rainfall observed (from 0830 hours IST of yesterday to 0830 hrs IST of today) at isolated places over South Tamilnadu, Coastal Andhra Pradesh and Assam & Meghalaya.
- Hailstorm observed (from 0830 hours IST of yesterday to 0830 hrs IST of today) at isolated placed over Telangana and Madhya Maharashtra.
- Thunderstorm observed (from 0830 hrs IST of yesterday to 0830 hrs IST of today): Jammu, Kashmir, Gilgit-Baltistan & Muzaffarabad, Uttrakhand, Punjab, Haryana, Chandigarh & Delhi, West Rajasthan, Odisha, Jharkhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Interior Karnataka, Kerala & Mahe, & Mahe and Andaman & Nicobar islands.
- Maximum Temperature Departures as on 04-05-2021: Maximum temperatures were above normal (1.6°C to 3.0°C) at most places over Konkan & Goa and at a few places over Gujarat State. They were markedly below normal (-5.1°C and above) at many places West Bengal & Sikkim and Bihar; at a few places over Odisha and at at isolated places over Himachal Pradesh; appreciably below normal (-3.1°C to -5.0°C) at most places over Jharkhand; at many places over Chhattisgarh; at a few places over Telangana ; at isolated places over Nagaland, Manipur, Mizoram & Tripura and Andaman & Nicobar Islands and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 42.4°C was reported at New Delhi (Palam).
- Minimum Temperature Departures as on 05-05-2021: Minimum temperatures are markedly above normal (5.1°C and more) at isolated places over West Rajasthan; above normal (1.6°C to 3.0°C) at many places over Uttarakhand and Saurashtra &

Kutch; at a few places over Andaman & Nicobar Islands, Jammu, Kashmir, Ladakh, Gilgit, Baltistan, Muzaffarabad and Himachal Pradesh. They are markedly below normal (-5.1°C and above) at isolated places over Haryana, Chandigarh & Delhi, Gujarat Region, East Madhya Pradesh, Telangana and South Interior Karnataka; below normal (-1.6°C to -3.0°C) at many places over Jharkhand and Gangetic West Bengal; at a few places over East Uttar Pradesh, Bihar, West Madhya Pradesh and Coastal Andhra Pradesh & Yanam; at isolated places over Himachal Pradesh, Chhattisgarh, Odisha, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal and near normal over rest parts of the country. Today, the lowest minimum temperature of 15.0°C was reported at Bulsar (Gujarat Region) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 05 May (Day 1): Thunderstorm with lightning, hail & gusty wind (speed reaching 30-40 kmph) very likely at isolated places over Jammu & Kashmir, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Assam & Meghalaya, Madhya Maharashtra and Telangana; with lightning & gusty wind (speed reaching 40-50 kmph) at isolated places over Gangetic West Bengal, Nagaland, Manipur, Mizoram & Tripura; with lightning & gusty wind (speed reaching 30-40 kmph) at isolated places over Uttar Pradesh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Konkan & Goa, Kerala & Mahe and Lakshadweep and with lightning at isolated places over Punjab, Haryana, Chandigarh & Delhi, Chhattisgarh, Andaman & Nicobar Islands, Arunachal Pradesh, Marathwada, Coastal Andhra Pradesh & Yanam, Rayalaseema, Karnataka and Tamil Nadu, Puducherry & Karaikal. Heavy rainfall very likely at isolated places over Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Odisha, Assam & Meghalaya, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- 06 May (Day 2): Thunderstorm with lightning, hail & gusty wind (speed reaching 30-40 kmph) very likely at isolated places over Himachal Pradesh, Uttarakhand, Bihar, Madhya Maharashtra and Telangana; with lightning & gusty wind (speed reaching 40-50 kmph) at isolated places over Jharkhand and Gangetic West Bengal; with lightning & gusty wind (speed reaching 30-40 kmph) at isolated places over Jammu & Kashmir, Gilgit-Baltistan & Muzaffarabad, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Vidarbha, Chhattisgarh, Odisha, Marathwada, Konkan & Goa and Kerala & Mahe and with lightning at isolated places over Madhya Pradesh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam,

Karnataka, Tamil Nadu, Puducherry & Karaikal and Lakshadweep. Thunderstorm/Duststorm very likely at isolated places over Rajasthan. Heavy rainfall very likely at isolated places over Himachal Pradesh, Uttarakhand, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Coastal & South Interior Karnataka and Kerala & Mahe.

- 07 May (Day 3): Thunderstorm with lightning, hail & gusty wind (speed reaching 30-40 kmph) very likely at isolated places over Uttarakhand; with lightning & gusty wind (speed reaching 40-50 kmph) at isolated places over Jharkhand and Sub-Himalayan West Bengal & Sikkim; with lightning & gusty wind (speed reaching 30-40 kmph) at isolated places over Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Gangetic West Bengal, Odisha, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam, Telangana and Kerala & Mahe and with lightning at isolated places over Jammu & Kashmir, Gilgit-Baltistan & Muzaffarabad, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Karnataka, Tamil Nadu, Puducherry & Karaikal and Lakshadweep. Thunderstorm/Duststorm very likely at isolated places over Rajasthan. Heavy rainfall very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 08 May (Day 4): Thunderstorm with lightning & gusty wind (speed reaching 40-50 kmph) likely at isolated places over Jharkhand; with lightning & gusty wind (speed reaching 30-40 kmph) at isolated places over Uttar Pradesh, Madhya Pradesh, Bihar, Gangetic West Bengal, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam and Kerala & Mahe and with lightning at isolated places over Jammu & Kashmir, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Andaman & Nicobar Islands, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Telangana, Karnataka, Tamil Nadu, Puducherry & Karaikal and Lakshadweep. Heavy rainfall likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 09 May (Day 5): Thunderstorm with lightning & gusty wind (speed reaching 40-50 kmph) likely at isolated places over Gangetic West Bengal; with lightning & gusty wind (speed reaching 30-40 kmph) at isolated places over Uttar Pradesh, Jharkhand, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram &

Tripura, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh & Yanam and Kerala & Mahe and with lightning at isolated places over Jammu & Kashmir, Gilgit-Baltistan & Muzaffarabad, Madhya Pradesh, Vidarbha, Chhattisgarh, Andaman & Nicobar Islands, Arunachal Pradesh, Gujarat state, Telangana, Karnataka, Tamil Nadu, Puducherry & Karaikal and Lakshadweep. Heavy to Very Heavy rainfall likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura and Heavy Rainfall at isolated places over Arunachal Pradesh.

- The weather outlook for seven days i.e., 05 May to 13 May 2021 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)

Kerala

Weather condition:

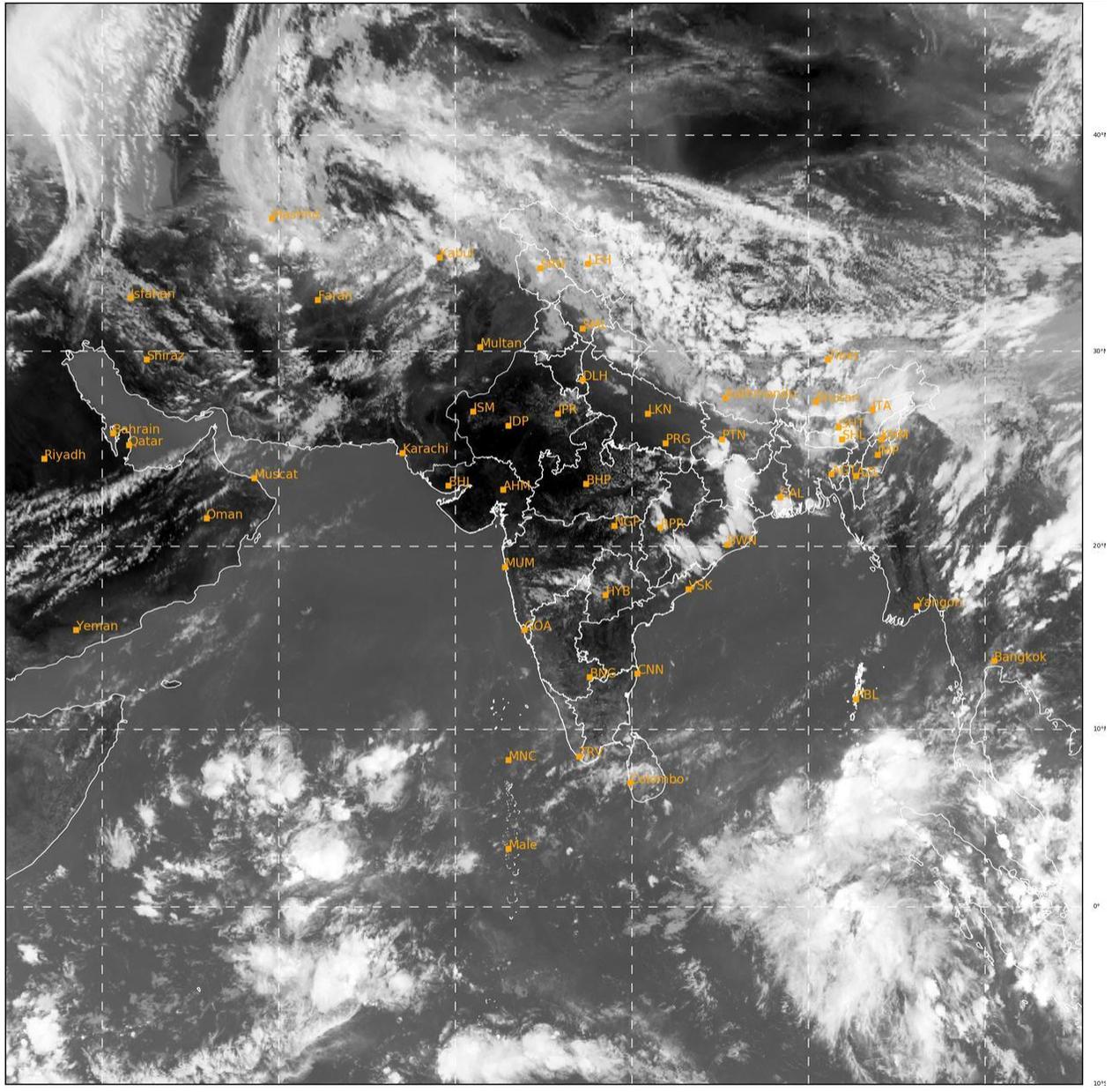
In Vellanikkara, the maximum temperature ranges from 33.2 to 35.1 Deg C, minimum temperature ranges from 19.6 to 25.0 Deg C. Morning relative humidity ranges from 087% to 098% and afternoon relative humidity ranges from 055% to 065%. Wind speed ranges from 0.9 to 2.2 km/h. Evaporation ranges from 2.3 to 4.6 mm. Sunshine hours range from 1.7 to 9.7 hours. 5 cm morning soil temperature ranges from 26.7 to 28.8 Deg C and afternoon soil temperature ranges from 36.5 to 40.2 Deg C.

Contingency measure:

- Rice: Dry sown crop is starting, the land should be prepared well by through ploughing and levelling. Dress the seeds with pseudomonas before sowing. (10 gram of pseudomonas per one kg of paddy seeds.)
- Coconut: Management- During the beginning of southwest monsoon season, one-kilogram lime can be applied per one matured palm by opening the coconut basin.
- Banana: Sigatoka disease- There is a chance of sigatoka disease in banana. As a precaution, Spray 20 g Pseudomonas per one liter of water. Ginger, Turmeric: Planting time- While preparing land for ginger and turmeric cultivations apply 2 to 3 kg lime per cent. As a prophylactic measure against foot rot disease, the ginger and turmeric rhizome should be soaked in the 0.3 percent mancozeb or pseudomonas solution (3 gram per one liter of water) for 30 minutes. Moreover 90 kg FYM mixed with one kg Trichoderma and kept under shade for two weeks with sufficient moisture and can be applied.

SAT : INSAT-3D IMG
IMG_TIR1 10.8 um
LIC Mercator

05-05-2021/(0800 to 0826) GMT
05-05-2021/(1330 to 1356) IST



281

947

IMD, DELHI

Figure: 1. Latest available satellite picture as on 05 May 2021 at 1356 Hrs (IST). (Source: IMD).

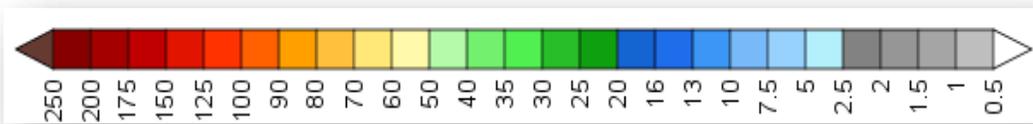
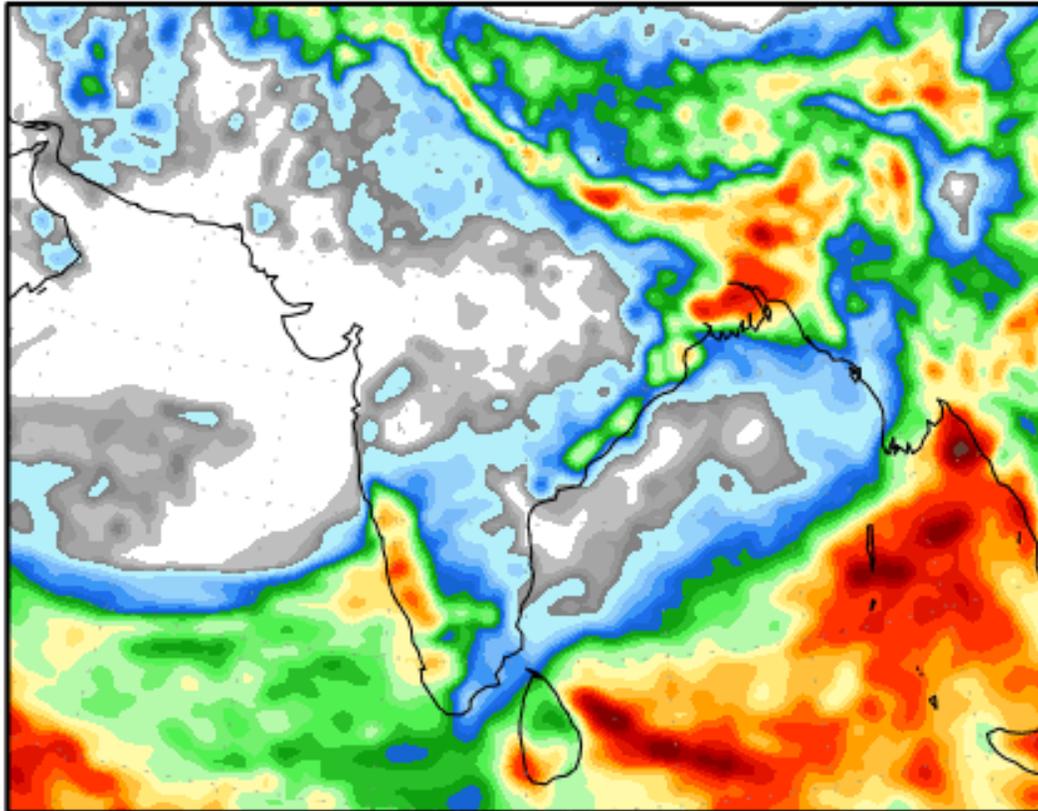


Figure:2. Precipitation forecast for 05 May to 13 May 2021 (Source: NOAA NCEP).

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