

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 03 Jun 2021

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The northern limit of Southwest Monsoon continues to pass through 5°N/72°E, 6°N/75°E, 8°N/80°E, 12°N/85°E, 14°N/90°E and 17°N/94°E.
- Condition are favourable for onset of South West Monsoon over Kerala today, the 03rd June 2021.
- Due to strengthening of lower level southwesterly winds, widespread rainfall activity very likely over Northeastern states during next 5 days. Isolated heavy rainfall very likely over Arunachal Pradesh during 04th-06th; Assam & Meghalaya during 03rd-04th and Nagaland, Manipur, Mizoram & Tripura on 05th & 06th. Isolated heavy to very heavy rainfall also very likely over Assam & Meghalaya on 05th & 06th June.
- The Western Disturbance as a trough in mid & upper tropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along longitude 80°E to the north of latitude 25°N. Under its influence, isolated to scattered rainfall accompanied with thunderstorm, lightning and gusty winds very likely over parts of Western Himalayan Region & adjoining plains of Northwest India during next 2-3 days.
- Under the influence of a trough at mean sea level off Karnataka-Kerala coasts and strengthening of westerly wind in lower tropospheric levels; scattered to widespread rainfall accompanied with thunderstorm, lightning and gusty winds and isolated heavy rainfall very likely over parts of south Peninsular India during next 2 days (03rd-04th June).
- The images showing the latest satellite picture in the figure. 1.

Main Weather Observations (IMD)

- Rain/Thundershowers observed (from 0830 hours IST to 1730 hours IST of yesterday): at most places over Arunachal Pradesh; at many places over Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Coastal Karnataka and Lakshadweep; at a few places over Sub-Himalayan West Bengal & Sikkim, Odisha, Himachal Pradesh, Rajasthan and Madhya Maharashtra

and at isolated places over Assam & Meghalaya, Jharkhand, Uttarakhand, Jammu, Kashmir, Ladakh, Gilgit-Baltistan, & Muzaffarabad, East Madhya Pradesh, Vidarbha, Chhattisgarh and Konkan & Goa.

- Thunderstorm observed (from 0830 hours IST of yesterday to 0530 hours IST of today): at many places over Himachal Pradesh; at a few places over Assam & Meghalaya, Jammu, Kashmir, Ladakh, Gilgit-Baltistan, & Muzaffarabad, Chhattisgarh, Madhya Maharashtra and Coastal Andhra Pradesh & Yanam and at isolated places over Punjab, Uttarakhand, Rajasthan, Odisha, Madhya Pradesh, Marathwada, Jharkhand, Chhattisgarh, Rayalaseema, Konkan & Goa, Karnataka and Tamilnadu, Puducherry & Karaikal.
- Maximum Temperature Departures as on 02-06-2021: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Andaman & Nicobar Islands; at isolated places over Saurashtra & Kutch; above normal (1.6°C to 3.0°C) at many places over Tamilnadu, Puducherry & Karaikal and Kerala & Mahe; at a few places over South Interior Karnataka and at isolated places over Konkan & Goa and Coastal Karnataka. They were markedly below normal (- 5.1°C and more) at most places over Chhattisgarh; at many places over Haryana, Chandigarh & Delhi and East Rajasthan; at a few places over Odisha, Telangana and Vidarbha; at isolated places over Bihar, Jharkhand, East Uttar Pradesh, Himachal Pradesh and East Madhya Pradesh; appreciably below normal (-3.1°C to -5.0°C) at most places over Punjab, West Rajasthan and Marathawada; at a few places over Uttarakhand; at isolated places over Gangetic West Bengal, West Uttar Pradesh and North Interior Karnataka; below normal (-1.6°C to -3.0°C) at a few places over Sub-Himalayan West Bengal & Sikkim and Gujarat Region and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 42.4°C was reported at Raisen (West Madhya Pradesh) over the country.
- Minimum Temperature Departures as on 02-06-2021: Minimum temperatures were above normal (1.6°C to 3.0°C) at isolated places over West Rajasthan, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal and Lakshadweep. They were markedly below normal (-5.1°C and more) at a few places over Haryana, Chandigarh & Delhi; at isolated places over East Rajasthan and Madhya Pradesh; appreciably below normal (-3.1°C to -5.0°C) at many places over East Uttar Pradesh, Jharkhand and Telangana; at a few places over Bihar, Vidarbha, Marathwada and Odisha; at isolated places over West Uttar Pradesh and Gangetic West Bengal; below normal (-1.6°C to -3.0°C) at many places over Himachal Pradesh; at a few places over Coastal Karnataka; at isolated

places over Konkan & Goa and near normal over rest of the country. Yesterday, the lowest minimum temperature of 17.8°C was reported at Sikar (East Rajasthan) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 03 June (Day 1): Thunderstorm with lightning & gusty winds (speed reaching 40-50 kmph) very likely at isolated places over East Rajasthan; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Madhya Pradesh, Vidarbha, Jharkhand and Telangana and with lightning at isolated places over Himachal Pradesh, Uttarakhand, Chhattisgarh, Bihar, West Bengal & Sikkim, Odisha, Gujarat state, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep. Thunderstorm/Duststorm with lightning & gusty winds (speed reaching 40-50 kmph) very likely at isolated places over West Rajasthan. Heavy Rainfall at isolated places very likely over Odisha, Assam & Meghalaya, Madhya Maharashtra, Konkan & Goa, Telangana, Rayalaseema, Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Strong Wind (speed 40-50 kmph gusting to 60 kmph) very likely over Southwest & Westcentral Arabian Sea and with wind speed 40-50 kmph over Eastcentral Arabian Sea and Gulf of Mannar & Comorin area. Fishermen are advised not to venture into these areas.
- 04 June (Day 2): Thunderstorm with lightning & gusty winds (speed reaching 40-50 kmph) very likely at isolated places over East Rajasthan; with lightning & gusty winds (speed reaching 30-40 kmph) at isolated places over West Rajasthan, Jharkhand and Telangana and with lightning at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, Gujarat state, Madhya Maharashtra, Marathwada, Konkan & Goa, Rayalaseema, Karnataka and Tamil Nadu, Puducherry & Karaikal. Heavy Rainfall at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya, Madhya Maharashtra, Konkan & Goa, Telangana, Rayalaseema, Coastal & South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Strong Wind (speed 40-50 kmph gusting to 60 kmph) very likely over Southwest & Westcentral Arabian Sea and with wind speed 40-50 kmph over Gulf of Mannar & Comorin area. Fishermen are advised not to venture into these areas.
- 05 June (Day 3): Thunderstorm with lightning & gusty winds (speed reaching 30-40 kmph) likely at isolated places over Rajasthan and with lightning at isolated

places over Madhya Pradesh, Vidarbha, Chhattisgarh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Madhya Maharashtra, Konkan & Goa, Telangana and Tamil Nadu, Puducherry & Karaikal. Heavy to Very Heavy Rainfall at isolated places likely over Assam & Meghalaya and Heavy Rainfall at isolated places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region and Tamil Nadu, Puducherry & Karaikal. Strong Wind (speed 40-50 kmph gusting to 60 kmph) likely over Southwest & Westcentral Arabian Sea and with wind speed 40-50 kmph over Gulf of Mannar and Comorin area. Fishermen are advised not to venture into these areas.

- 06 June (Day 4): Thunderstorm with lightning & gusty wind (speed reaching 30-40 kmph) likely at isolated places over East Rajasthan and with lightning at isolated places over Madhya Pradesh, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Konkan & Goa, Telangana and Tamil Nadu, Puducherry & Karaikal. Heavy to Very Heavy Rainfall at isolated places likely over Assam & Meghalaya and Heavy Rainfall at isolated places over Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura. Strong Wind (speed 40-50 kmph gusting to 60 kmph) likely over Southwest & Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.
- 07 June (Day 5): Thunderstorm with lightning likely at isolated places over Punjab , Utrakhand, Orissa, Madhya Pradesh, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Konkan & Goa, Madhya Maharashtra, Karnataka, Telangana, Coastal Andhra Pradesh & Yanam, Lakshadweep, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Heavy to Very Heavy Rainfall at isolated places likely over Assam & Meghalaya and Heavy Rainfall at isolated places over Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura. Strong Wind (speed 40-50 kmph gusting to 60 kmph) likely over Southwest & Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.
- The weather outlook for seven days i.e., 03 Jun to 11 Jun 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)

Western U.P

Weather condition:

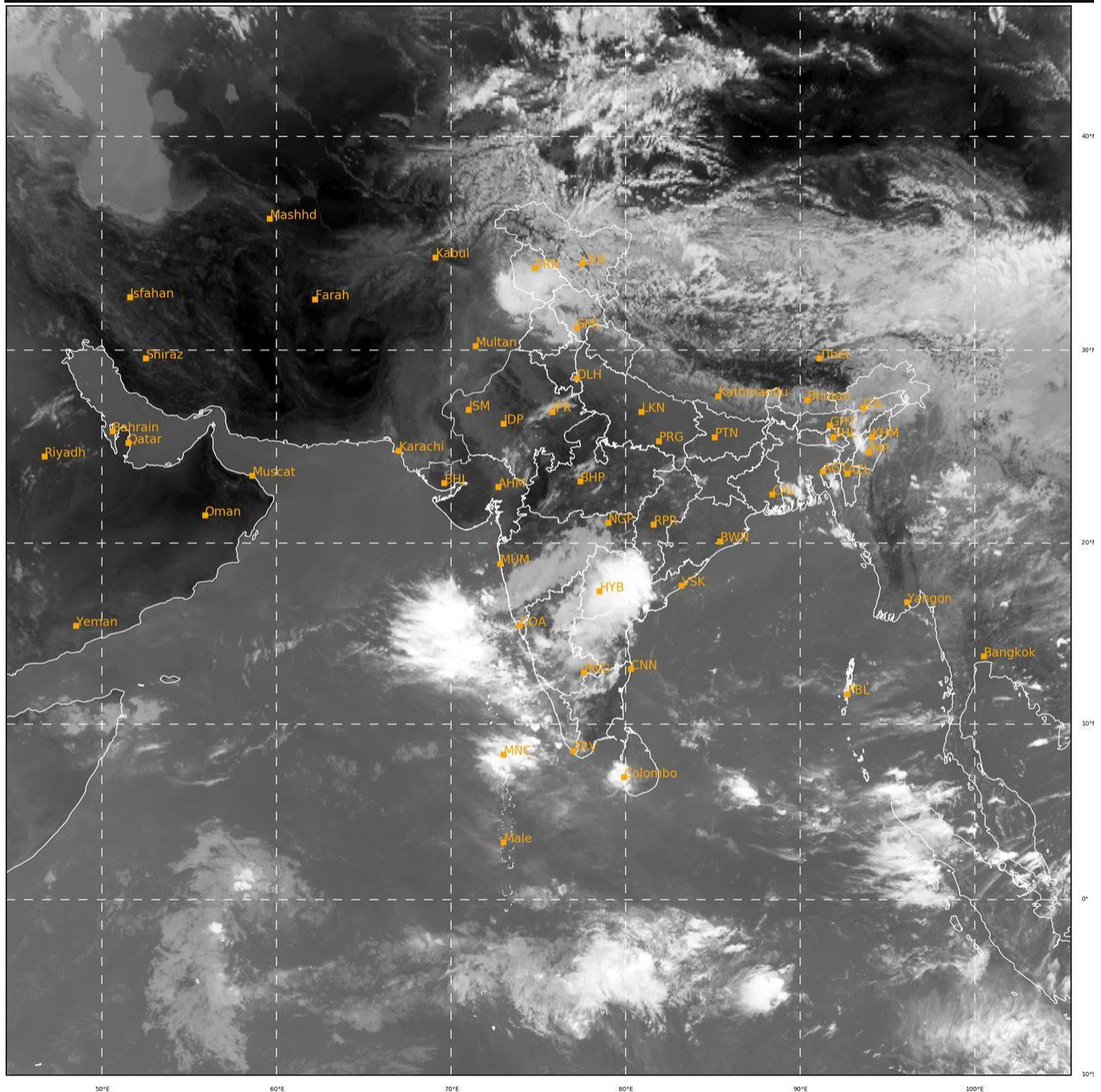
Moderate cloud coverage from 26 to 30 May, 2021 and 1.2, 2.4 mm rainfall forecast on 29 and 30 May 2021 and weather may be mainly dry during first 3 days. Maximum temperature may be expected 1-2 0C lower than its normal and minimum temperature may be expected 1-20C lower than its normal. North westerly / South-easterly winds may be expected and prevailing 9.3 to 16.8 km during this week as per forecast.

Contingency measure:

- Wheat: 1.2 and 2.4 mm rainfall forecast on 29 and 30 May, Farmers are advised to tie bundles immediately and threshing should be done before 29 May, 2021. Grain should be drying after threshing, cleaning and maintained moisture 8 to 10 % in the grain before storage in metal made containers.
- Barley :Farmers are advised to tie bundles immediately and threshing should be done before 29 May, 2021. Cleaning, processing and drying of seed should be completed as soon as.
- Zaid maize: Stop irrigation because rainfall forecast on 29 and 30 May. Pigeon pea: Sowing of short duration variety viz; Paras, UPAS-120 , Type-21 and Pusa-992 after 30 May.
- Zaid Urd :Thrips infestation may be seen therefore spray Trizophos at evening @ 1 ml / lt. of water for its control.
- Zaid Moong:Thrips infestation may be seen therefore spray Trizophos at evening @ 1 ml / lt. of water for its control.
- Sun flower : Protect from birds. Harvest mature crop after 30 May.
- Brinjal / Chilies:Pick up mature fruits on standing crop. Spray 2% Neem oil solution against Fruit borer and white fly insect.
- Leafy Vegetable: Cutting and marketing. MP Chari / Mucchari / Pearl-millet : Sowing of SSG-988-898, PC-23 ,SSG-59 -3 and MP chari @ 30-40 kg seeds /ha. Light irrigation applied after 20 days of sowing. Sowing should be Pearl-millet varieties such as Raj-171, L-72 and L-74 done. First cutting should be done.
- Animal :To protect from heat waves and bathing should be taken up at morning and evening before milking. Drinking water should be given thrice a day . To keep their room cool, Jute bag may be used as curtain in the door and windows and it should be wetted at noon and evening. Balanced diet should be given for milch animal and Vaccinate Foot and Mouth disease and concerned near Veterinary hospital if need.

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

03-06-2021/(0530 to 0557) GMT
03-06-2021/(1100 to 1127) IST



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IMD, DELHI

Figure: 1. Latest available satellite picture as on 03 Jun 2021 at 1127 Hrs (IST). (Source: IMD).

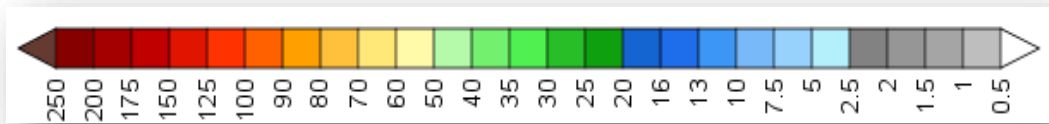
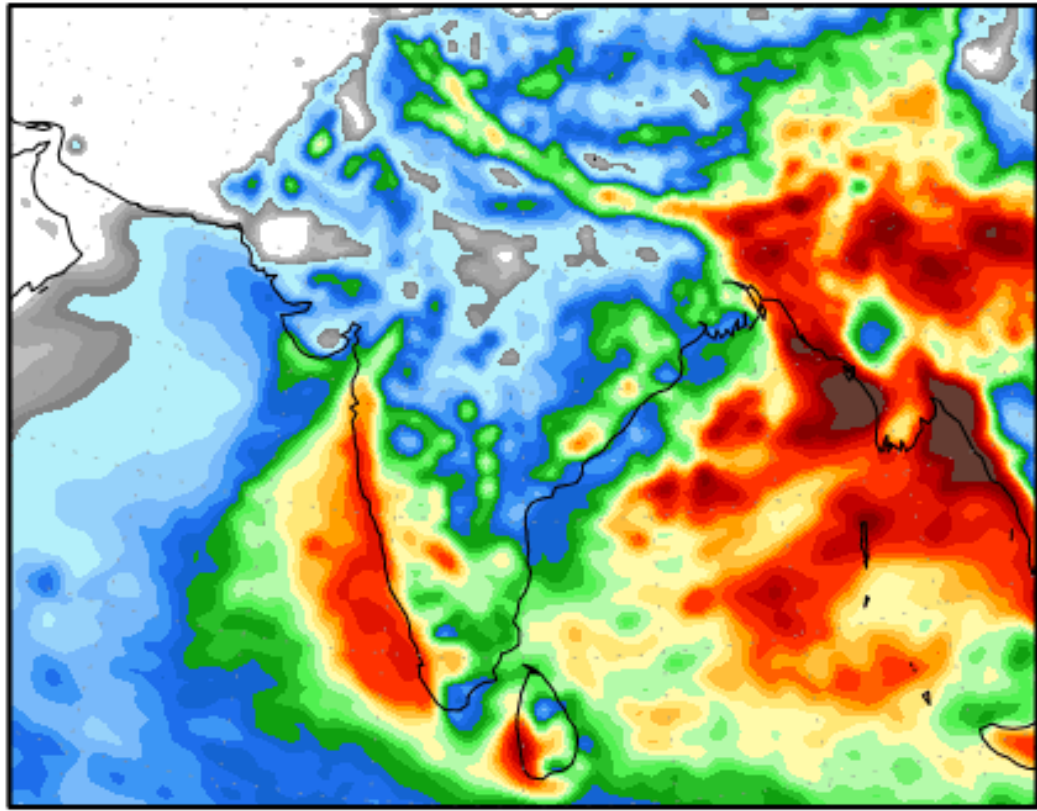


Figure:2. Precipitation forecast for 03 Jun to 11 Jun 2021 (Source: NOAA NCEP).

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