

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 24 Jun 2021

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The northern Limit of southwest monsoon (NLM) continues to pass through Lat. 26°N / Long. 70°E, Barmer, Bhilwara, Dholpur, Aligarh, Meerut, Ambala and Amritsar.
- Present meteorological conditions as well as model forecasts indicate that large scale features as well as prevailing wind patterns over the region are not likely to be favourable during the forecast period for further advance of southwest monsoon into remaining parts of Rajasthan, west Uttar Pradesh, Haryana, Chandigarh & Delhi and Punjab.
- A cyclonic circulation lies over Jharkhand & neighbourhood and extends upto mid-tropospheric levels. Under its influence, fairly widespread to widespread rainfall with isolated heavy falls and thunderstorm & lightning very likely over most parts of East & adjoining Central India (West Bengal, Bihar, Jharkhand, Chhattisgarh, Odisha and East Madhya Pradesh) during next 2 days and reduce in rainfall intensity thereafter. Isolated very heavy rainfall also very likely over Chhattisgarh on 24th and over Odisha on 25th June, 2021.
- Under the influence of strengthening of moist southwesterly winds; fairly widespread to widespread rainfall very likely over Northeast India during next 5 days. Isolated heavy rainfall very likely over Assam & Meghalaya during next 5 days and very heavy rainfall also likely over Assam & Meghalaya on 26th June, 2021.
- Moderate to severe thunderstorms accompanied by frequent cloud to ground lightning very likely over Chhattisgarh, Coastal Andhra Pradesh, Punjab, north Haryana & Chandigarh, Uttarakhand and Himachal Pradesh during next 24 hours. This may cause injuries leading to casualties to people and animals staying outdoors.
- 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 hours IST of today): at most places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Madhya Pradesh, West Bengal & Sikkim, Chhattisgarh, Arunachal Pradesh, Andaman & Nicobar Islands, Konkan & Goa, Coastal Karnataka and Kerala & Mahe; at many places over East Uttar Pradesh, Bihar, Jharkhand, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Vidarbha, Telangana, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal; at a few places over Saurashtra & Kutch and Marathwada and at isolated places over Himachal Pradesh, Uttarakhand, Gujarat Region, East Rajasthan, Rayalaseema, South Interior Karnataka and Lakshadweep.
- Heavy Rainfall recorded (from 0830 hours IST of yesterday to 0830 hours IST of today): Extremely Heavy Rainfall at isolated places over Meghalaya; Very Heavy Rainfall at isolated places over Konkan & Goa, Madhya Pradesh and Gujarat Region and Heavy Rainfall at isolated places over Coastal Andhra Pradesh & Yanam, Jharkhand, Tamilnadu and Kerala & Mahe.
- Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at a few places over East Uttar Pradesh and at isolated places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, East Rajasthan, Madhya Pradesh, Jharkhand, Gangetic West Bengal, Odisha, Coastal Andhra Pradesh & Yanam, Marathawada, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal.
- Maximum Temperature Departures as on 23-06-2021: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Punjab; above normal (1.6°C to 3.0°C) at most places over Haryana, Chandigarh & Delhi, Kerala & Mahe and South Interior Karnataka; at many places over Assam & Meghalaya; at a few places over Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Saurashtra & Kutch and Coastal Karnataka; at isolated places over Konkan & Goa and Tamil Nadu, Puducherry & Karaikal. They were markedly below normal (-5.1°C or less) at a few places over Chhattisgarh; at isolated places over East Madhya Pradesh and Vidarbha; appreciably below normal (-3.1°C to -5.0°C) at many places over East Uttar Pradesh; at a few places over West Madhya Pradesh, Jharkhand, Odisha, Vidarbha and Andaman & Nicobar Islands; at isolated places over Coastal Andhra Pradesh & Yanam; below normal (-1.6°C to -3.0°C) at a few places over Gujarat Region and Madhya Maharashtra; at isolated places over Uttarakhand, West Uttar Pradesh and Gangetic West Bengal and near normal

over rest parts of the country. Yesterday, the highest maximum temperature of 44.2°C was reported at Ganganagar (West Rajasthan).

- Minimum Temperature Departures as on 24-06-2021: Minimum temperatures are above normal (1.6°C to 3.0°C) at isolated places over Assam & Meghalaya, Haryana, Chandigarh & Delhi and Madhya Maharashtra and Sub-Himalayan West Bengal & Sikkim. They are appreciably below normal (-3.0°C to -5.0°C) at a few places over East Madhya Pradesh and at isolated places over Telangana, Coastal Andhra Pradesh & Yanam and Tamil Nadu, Puducherry & Karaikal and below normal (-1.6°C to -3.0°C) at a few places over West Madhya Pradesh, Vidarbha, Chhattisgarh and Jammu, Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and at isolated places over Himachal Pradesh, East Rajasthan and East Uttar Pradesh and near normal over rest parts of the country. Today, the lowest minimum temperature of 18.6°C is reported at Khargone (East Madhya Pradesh) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 24 June (Day 1): Heavy to very heavy Rainfall very likely at isolated places over Chhattisgarh and heavy rainfall at isolated places over East Uttar Pradesh, Madhya Pradesh, Vidarbha, Jharkhand, Sub-Himalayan West Bengal, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat region, Madhya Maharashtra, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe. Thunderstorm with lightning & squall (speed 50-60 kmph) very likely at isolated places over Himachal Pradesh and Uttarakhand; with lightning & squall (speed 40-50 kmph) at isolated places over Punjab and Haryana, Chandigarh & Delhi; with lightning & gusty winds (speed 30-40 kmph) at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, West Uttar Pradesh and Andaman & Nicobar Islands and with lightning at isolated places over East Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Chattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal. Thunderstorm/Duststorm with gusty winds (speed 30-40 kmph) very likely at isolated places over West Rajasthan. Strong Winds (speed 40-50 kmph gusting to 60 kmph) very likely over Southwest, Westcentral and Northeast Arabian Sea and along & off Gujarat coast and over Westcentral Bay of Bengal and along & off Andhra Pradesh coast. Fishermen are advised not to venture into these areas.

- 25 June (Day 2): Heavy to Very Heavy Rainfall very likely at isolated places over Odisha and Heavy Rainfall at isolated places over East Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Konkan & Goa. Thunderstorm with lightning & gusty winds (speed 30-40 kmph) very likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and Andaman & Nicobar Islands and with lightning at isolated places over East Uttar Pradesh, Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Arunachal Pradesh, Assam & Meghalaya, Telangana and Coastal Andhra Pradesh & Yanam. Strong Winds (speed 40-50 kmph gusting to 60 kmph) very likely over Southwest, Westcentral and Northeast Arabian Sea and along & off Gujarat coast and over Westcentral Bay of Bengal and along & off Andhra Pradesh coast and southeast Sri Lanka coast & adjoining Southwest Bay of Bengal. Fishermen are advised not to venture into these areas.
- 26 June (Day 3): Heavy to Very Heavy Rainfall very likely at isolated places over Assam & Meghalaya and Heavy Rainfall at isolated places over Bihar, Jharkhand, Odisha, Andaman & Nicobar Islands and Coastal Andhra Pradesh & Yanam. Thunderstorm with lightning & gusty winds (speed 30-40 kmph) likely at isolated places over Jammu & Kashmir, Ladakh, GilgitBaltistan & Muzaffarabad, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh and Andaman & Nicobar Islands and with lightning at isolated places over East Uttar Pradesh, Madhya Pradesh, Vidarbha, Chhattisgarh, Gangetic West Bengal, Odisha, Assam & Meghalaya, Telangana and Coastal Andhra Pradesh & Yanam. Strong Winds (speed 40-50 kmph gusting to 60 kmph) very likely over Southwest, Westcentral and Northeast Arabian Sea and along & off Gujarat coast and southeast Sri Lanka coast & adjoining Southwest Bay of Bengal. Fishermen are advised not to venture into these areas.
- 27 June (Day 4): Heavy Rainfall likely at isolated places over Odisha, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Telangana and Coastal & South Interior Karnataka. Thunderstorm with lightning & gusty winds (speed 30-40 kmph) likely at isolated places over Telangana and with lightning at isolated places over East Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Rayalaseema, Tamilnadu, Puducherry & Karaikal and Coastal Andhra Pradesh & Yanam. Strong Winds (speed 40-50 kmph gusting to 60 kmph) likely over Southwest and Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.

- 28 June (Day 5): Heavy Rainfall likely at isolated places over Chhattisgarh, Sub-Himalayan West Bengal, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Telangana, Coastal & South Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe. Thunderstorm with lightning & gusty winds (speed 30-40 kmph) likely at isolated places over Telangana and with lightning at isolated places over East Uttar Pradesh, Chhattisgarh, Rayalaseema, Tamilnadu, Puducherry & Karaikal and Coastal Andhra Pradesh & Yanam. Strong Winds (speed 40-50 kmph gusting to 60 kmph) likely over Southwest and Westcentral Arabian Sea. Fishermen are advised not to venture into these areas.
- The weather outlook for seven days i.e., 24 Jun to 02 Jul 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:

Medium to dance cloudy weather from 16-20 June and 89.0 mm cumulative rainfall may be appear during this week as per forecast received. Hot humid condition may be prevailing during this week. Maximum temperature may be expected 2.0- 30C below to its normal, where as minimum temperature may be expected 4.0- 5.00C below to its normal. NE/SE winds may be prevailing from 11.43- 17.5 km/hr ranged, which is 6 to 8 km/hr higher than its normal during this week.

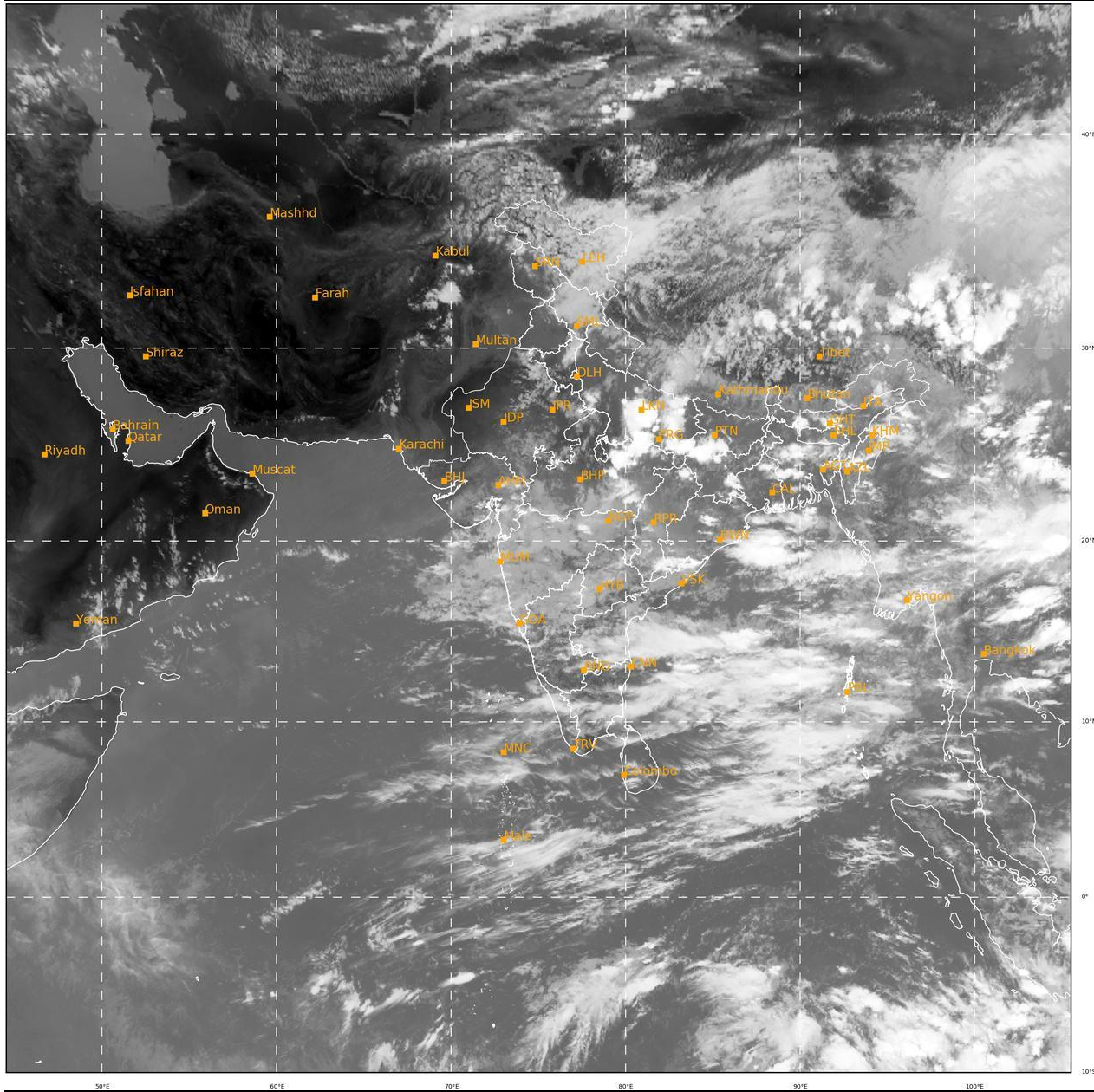
Contingency measure:

- Paddy: 89 .0 mm Cumulative rainfall forecast from 16-20 June therefore, farmers are advice sowing of short duration rice varieties such as N-118,N-80,N-1,N-2,N-97,Pant dhan-12, Barani deep,IR-50, Ratna,HUR-3022 and cented rice such as T-3, Pusa basmati-1, Pusa sungandh-4&5,and Malviya sugandh-4-3 and Malviya basmati 10-9 etc. Nursery should be raised during 3rd week of June. Seed should be treated with Streptocycline 4.0 g with 45 lt. water for 30-35 kg seed/ ha soaking for the control of Bacterial blight. Treated seed should always be used for the purpose .If seen deficiency of Iron or Zink in the old seedlings spray 5 kg Ferus-sulfate or 5.0 Zink sulfate mixed 20 kg Urea with 500 lt. water solution.
- Maize: Sowing of medium sown crop varieties such as Hybrid Dakan-107, Malveya hybrid-2, JH-3459, Prakash, PSM-5, Pro-303, KH-510, MMH-113, Azad hybrid-1, Azad hybrid-2 , DKC--7074 and Composite varieties Novjoti , Pusa-2, Sweta and Azad uttam should be sown 18-20 kg/ha treated seed.
- Pigeon pea: Irrigation and weeding should be done.
- Zaid Urd: Harvest mature crop as soon as early before rainfall.
- Zaid Moong: Harvest mature crop as soon as early before rainfall.
- Sun flower: Harvest mature crop as soon as early before rainfall.
- Brinjal / Chilies: Pick up mature fruits on standing crop. Prepare field and arranged seeds and fertilizer for growing nursery.
- Leafy Vegetable: Cutting, marketing.
- MP Chari / Mucchari /Pearl-millet: Cutting should be done at knee height. Sowing of SSG-988-898, PC-23, SSG-59 -3 and MP chari @ 30-40 kg seeds /ha. Sowing should be taken up of Pearl-millet varieties such as Raj-171, L-72 and L-74 done for mixed cropping.
- Animal: Protect from heat waves and keep their room cool by using cooler. Jute bag may be used as curtain in the door and windows and it should be wetted at

noon and evening. Bathing should be taken up at morning and evening before milking. Drinking water should be given thrice a day. Balanced diet should be given for milch animal and Vaccinate if need concerned near Veterinary hospital. Used fresh green fodder only for feeding.

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

24-06-2021/(0830 to 0856) GMT
24-06-2021/(1400 to 1426) IST



178

947

IMD, DELHI

Figure: 1. Latest available satellite picture as on 24 Jun 2021 at 1426 Hrs (IST). (Source: IMD).

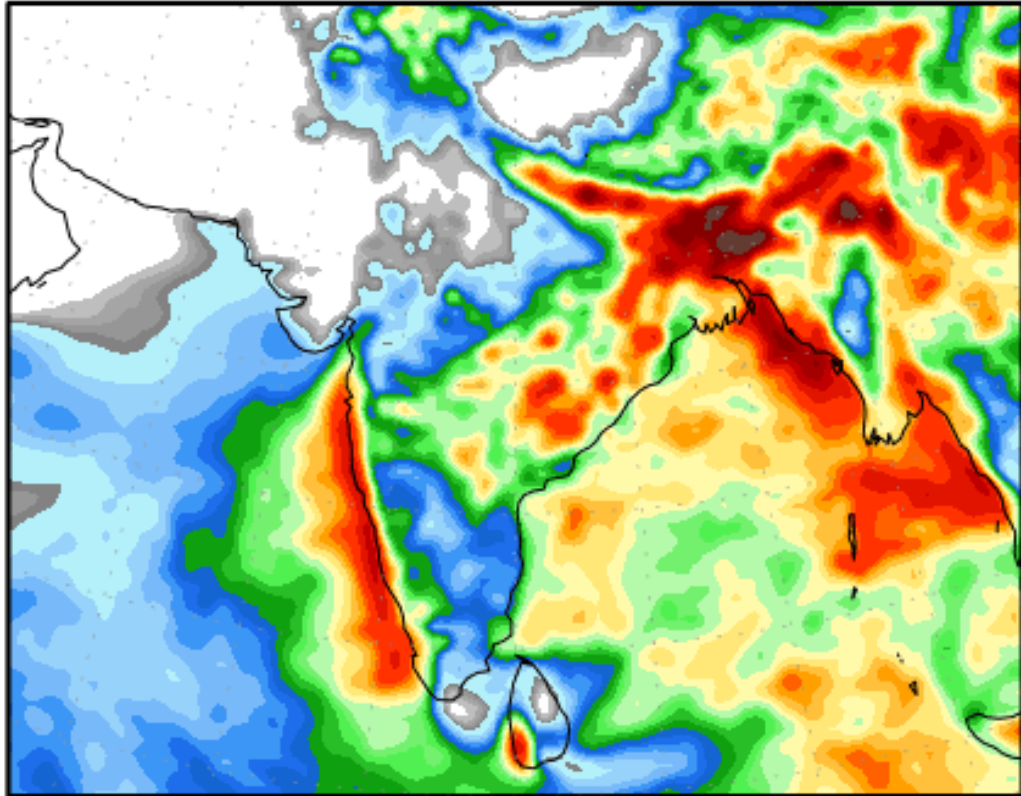


Figure:2. Precipitation forecast for 24 Jun to 02 Jul 2021 (Source: NOAA NCEP).

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