

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 24 June 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Southwest Monsoon has further advanced into some more parts of central Arabian Sea, Konkan, most parts of Madhya Maharashtra, remaining parts of Marathwada & Vidarbha, some parts of Madhya Pradesh, some more parts of Chhattisgarh & Uttar Pradesh and some parts of Uttarakhand.
- Northern Limit of Monsoon (NLM) passes through Lat. 18°N/Long. 60°E, Lat. 18°N/Long. 70°E, Alibagh, Malegaon, Khandwa, Chindwara, Mandla, Pendra, Sultanpur, Lakhimpur Kheri, Mukteshwar and Lat. 31°N/Long. 80°E.
- Conditions are becoming favourable for further advance of Southwest Monsoon into remaining parts of Central Arabian Sea, Konkan, Madhya Maharashtra & Chhattisgarh, some parts of North Arabian Sea, Gujarat and some more parts of Madhya Pradesh, Uttar Pradesh and Uttarakhand during next 48 hours.
- Strong winds and rough sea in association with the Southwest Monsoon likely to prevail over southwest and west central Arabian Sea during 25th-28th June.
- The images showing the latest satellite picture in figure. 1

Main Weather Observations (IMD)

- Rain/Thundershowers observed (from 0830 hours IST yesterday to 0830 hours IST of today): at most places over Jammu & Kashmir, Coastal & North interior Karnataka, Madhya Maharashtra, Marathawada, Arunachal Pradesh, Andaman & Nicobar Islands, Kerala and Konkan & Goa; at many places over Uttarakhand, Vidarbha, Chhattisgarh, Odisha, Gangetic West Bengal, Lakshadweep and Rayalaseema; at a few places over East Uttar Pradesh, West Rajasthan, Madhya Pradesh, Gujarat Region, Telangana, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Coastal Andhra Pradesh, South Interior Karnataka and Tamil Nadu and at isolated places over Himachal Pradesh, West Uttar Pradesh, East Rajasthan and Nagaland, Manipur, Mizoram & Tripura.

- Heavy to very heavy rainfall recorded at isolated places over Konkan & Goa and heavy rainfall recorded at isolated places over East Uttar Pradesh, Chhattisgarh, Madhya Maharashtra, Marathwada, North Interior Karnataka, Telangana, Rayalaseema, Kerala, Arunachal Pradesh, Assam & Meghalaya and Andaman & Nicobar Islands.
- Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, East Uttar Pradesh, Rajasthan, Gujarat Region, Madhya Pradesh, Assam & Meghalaya, Madhya Maharashtra, Konkan & Goa, Odisha, Telangana, North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe.
- Maximum temperature departures as on 23-06-2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Himachal Pradesh and Sub-Himalayan West Bengal & Sikkim; at a few places over West Rajasthan, West Madhya Pradesh, Bihar, Gangetic West Bengal, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; at isolated places over Haryana, Chandigarh & Delhi, Saurashtra & Kutch, East Madhya Pradesh and Vidarbha; above normal (1.6°C to 3.0°C) at many places over Gujarat region, East Rajasthan and Madhya Maharashtra; at a few places over Uttarakhand, Punjab, Konkan & Goa, North Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Andaman & Nicobar Islands. They were markedly below normal (-5.1°C or less) at many places over Jammu & Kashmir; appreciably below normal (-3.1°C to -5.0°C) at many places over Chhattisgarh; at a few places over East Uttar Pradesh, Marathwada, Telangana and Arunachal Pradesh; at isolated places over West Uttar Pradesh; below normal (-1.6°C to -3.0°C) at many places over Coastal Andhra Pradesh; at a few places over Jharkhand; at isolated places over Coastal Karnataka and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 45.2°C was recorded at Churu (West Rajasthan).
- Minimum temperature departures as on 24-06-2019: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at many places over Sub-Himalayan West Bengal & Sikkim; above normal (1.6°C to 3.0°C) at Most Places over Nagaland, Manipur, Mizoram & Tripura; at many places over East Rajasthan, Himachal Pradesh and Saurashtra & Kutch; at a few places over Madhya Pradesh, Bihar, Lakshadweep and Tamil Nadu & Puducherry and at isolated places over Gangetic west Bengal, Odisha, Assam & Meghalaya, Konkan & Goa, Uttarakhand and Madhya Maharashtra. They are below normal (-1.6°C to -3.0°C) at many places over East Uttar Pradesh; at a few places over West Rajasthan and at isolated places over Marathawada and Haryana, Chandigarh & Delhi and near normal over rest parts of the country.

Weather Warning during next 5 days (IMD)

- 24 Jun (Day 1): Thunderstorm accompanied with lightning, hail & gusty winds (40-50 kmph) at isolated places very likely over Jammu & Kashmir, Himachal Pradesh and Uttarakhand; with gusty winds (30-40 kmph) & lightning at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Rajasthan and West Madhya Pradesh. Duststorm/Thunderstorm gusty winds (30-40 kmph) & lightning at isolated places over West Rajasthan. Heavy to very heavy rainfall at isolated places very likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya and Konkan & Goa and heavy rainfall at isolated places over Uttarakhand, Gujarat region, Madhya Maharashtra, Marathwada, East Rajasthan, West Madhya Pradesh, Andaman & Nicobar Islands and Coastal Karnataka.
- 25 Jun (Day 2): Thunderstorm accompanied with lightning & gusty winds (30-40 kmph) at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Rajasthan and West Madhya Pradesh. Duststorm/Thunderstorm gusty winds (30-40 kmph) & lightning at isolated places over West Rajasthan. Heavy to very heavy rainfall with extremely heavy fall at isolated places very likely over Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya; Heavy to very heavy rainfall at isolated places over Konkan & Goa and Arunachal Pradesh; Heavy rainfall at isolated places over Coastal Karnataka, Madhya Maharashtra, Gujarat Region, West Madhya Pradesh, Uttarakhand, Bihar and Andaman & Nicobar islands. Rough sea conditions are likely to prevail over southwest and west central Arabian Sea. Fishermen are advised not to venture into these areas.
- 26 Jun (Day 3): Thunderstorm accompanied with lightning & gusty winds (30-40 kmph) at isolated places very likely over East Rajasthan; with lightning at isolated places over Odisha. Duststorm/Thunderstorm gusty winds (30-40 kmph) & lightning at isolated places over West Rajasthan. Heavy to very heavy rainfall with extremely heavy fall at isolated places very likely over Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya; Heavy to very heavy rainfall at isolated places over Konkan & Goa and Arunachal Pradesh; Heavy rainfall at isolated places over Coastal Karnataka, East Madhya Pradesh, Bihar, Nagaland, Manipur, Mizoram & Tripura and Andaman & Nicobar islands. Rough sea conditions are likely to prevail over southwest and west central Arabian Sea. Fishermen are advised not to venture into these areas.
- 27 Jun (Day 4): Heavy to very heavy rainfall at isolated places likely over Konkan & Goa and Assam & Meghalaya, and heavy rainfall at isolated places over East Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, and Nagaland, Manipur, Mizoram & Tripura. Rough sea conditions are likely to prevail over southwest and west central Arabian Sea. Fishermen are advised not to venture into these areas.
- 28 Jun (Day 5): Heavy to very heavy rainfall at isolated places likely over Konkan & Goa; Heavy rainfall at isolated places over Chhattisgarh, Odisha and Assam &

Meghalaya. Rough sea conditions are likely to prevail over southwest and west central Arabian Sea. Fishermen are advised not to venture into these areas.

- The weather outlook for the period of seven days *i.e* 23 to 02 July 2019 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Sub-Himalayan West Bengal & Sikkim, Bihar, Madhya Pradesh, Odisha, Konkan & Goa, Vidarbha, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh, Rayalaseema, North Interior Karnataka, Coastal & South Interior Karnataka, Kerala, Tamil Nadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Uttar Pradesh

Weather condition:

Moderate rainfall is received in Uttar Pradesh state during past few days. The maximum temperature was ranged between 32-39°C and minimum temperature was ranged between 23-28°C.

Contingency measure:

- Looking no rainfall in the forecast, farmers are advised for nursery raising of paddy very soon.
- Digging of pits for plantation of new orchards.
- Interculture operation sugarcane
- Ploughing of fallow fields
- Under prevailing weather conditions, there is possibility of mouth disease and Langara fever in cow/buffalo, hence farmers are advised fertilizer vaccination.

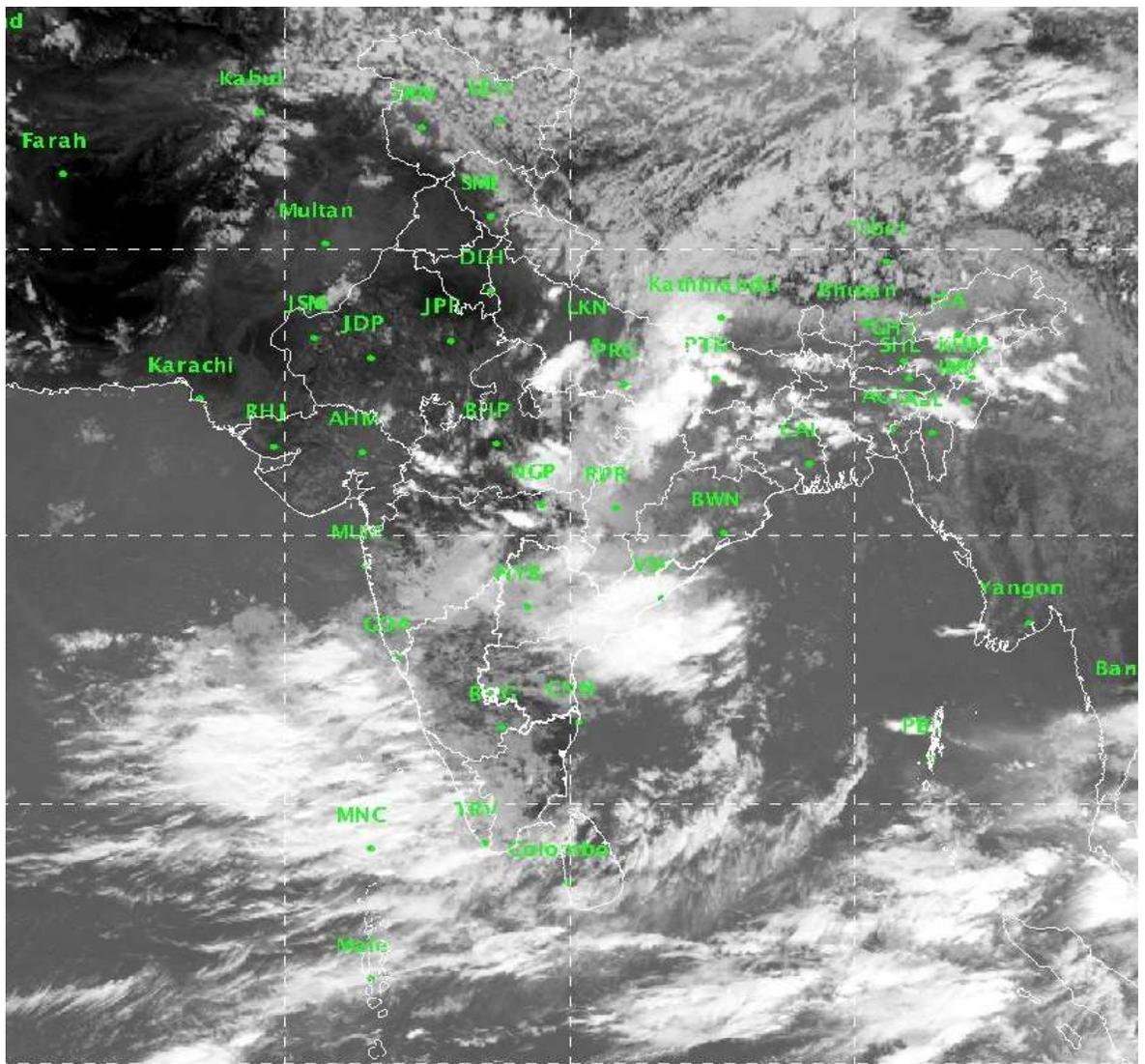


Figure: 1. Latest available satellite picture as on 24 June 2019 at 1300 Hrs (IST).

(Source: IMD).

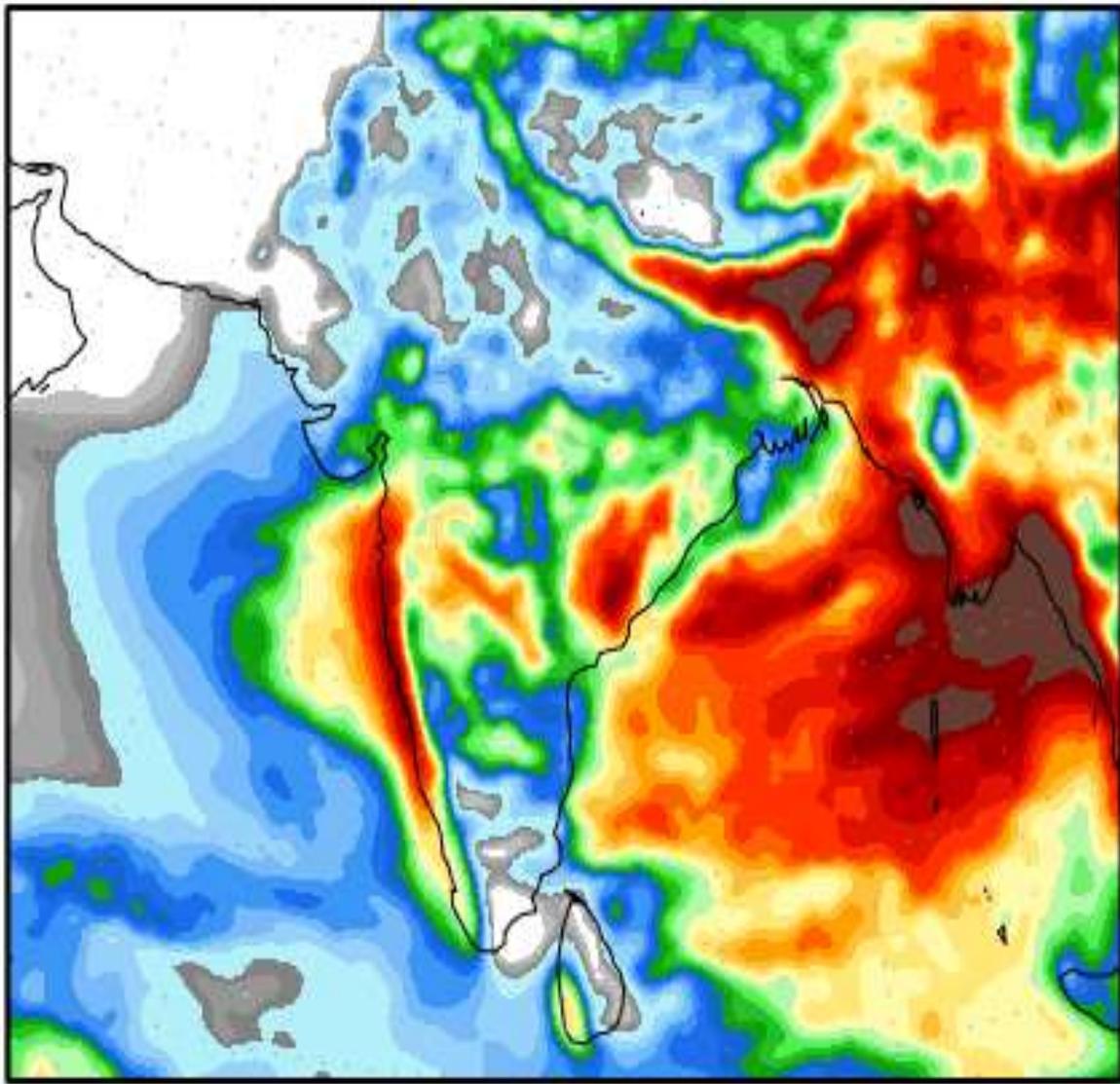


Figure:2. Precipitation forecast for 24 to 02 July 2019 (Source: NOAA NCEP).