

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 24 August 2020

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The Low Pressure Area lies over central parts of south Rajasthan & neighbourhood. It is very likely to move nearly westwards across West Rajasthan during next 2 days and become less marked thereafter. However, the associated cyclonic circulation is likely to meander over south Rajasthan neighbourhood region for subsequent 2-3 days. The monsoon trough is active and south of its normal position. It is likely to remain active during next 2-3 days.
- Under the influence of the above systems, Isolated extremely heavy falls are very likely over Southwest Rajasthan and Gujarat state today, the 24th. Isolated heavy to very heavy falls very likely over East Rajasthan today, the 24th & over West Rajasthan on 25th & 26th and over Saurashtra & Kutch on 25th August, 2020.
- A Low Pressure Area has formed over North Bay of Bengal & neighbourhood. Under its influence, rainfall activity is likely to increase over east from today, the 24th August & over central India from 25th August. Isolated heavy to very heavy falls very likely over Odisha during 24th-26th with isolated extremely heavy falls on 25th; over Gangetic West Bengal during 25th-26th and Jharkhand during 26th-27th August, 2020.
- Due to convergence of lower level easterlies from Bay of Bengal and south-westerlies from Arabian Sea, rainfall activity is very likely to increase over Northwest India from 25th August: (i) Jammu & Kashmir, Gilgit, Baltistan, Muzaffarabad & Ladakh and Himachal Pradesh are very likely to receive fairly widespread rainfall with isolated heavy falls and Uttarakhand isolated heavy to very heavy falls during 25th-28th August. (ii) Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh are likely to receive fairly widespread rainfall with isolated heavy falls on 26th & 27th August.
- The images showing the latest satellite picture in the figure. 1.

Main Weather Observations (IMD)

- Rain/Thundershowers observed (from 0830 hours IST to 1730 hrs IST of yesterday): at most places over Arunachal Pradesh, Gujarat State and Coastal Karnataka; at many places over West Bengal & Sikkim, Konkan & Goa and North Interior Karnataka; at a few places over Haryana, Chandigarh & Delhi, East Uttar Pradesh, East Rajasthan, Madhya Pradesh, Odisha, Madhya Maharashtra, Konkan & Goa and Telangana and at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Uttarakhand, West Uttar Pradesh, Bihar, Jharkhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Vidarbha, Chhattisgarh, South Interior Karnataka and Tamil Nadu & Puducherry & Karaikal.
- Thunderstorm observed (from 0830 hours IST of yesterday to 0530 hrs IST of today): at a few places over West Bengal & Sikkim and Jharkhand and at isolated places over Himachal Pradesh, Haryana, Chandigarh & Delhi, Rajasthan, Gujarat, East Uttar Pradesh, Odisha, Bihar, Assam & Meghalaya, Telangana, Coastal Andhra Pradesh and Tamil Nadu, Puducherry & Karaikal.
- Maximum Temperature Departures as on 23-08-2020: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Himachal Pradesh and Kerala & Mahe; at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Uttarakhand and Tamilnadu, Puducherry & Karaikal; above normal (1.6°C to 3.0°C) at most places over Nagaland, Manipur, Mizoram & Tripura and Vidarbha; at many places over Coastal Karnataka; at a few places over West Rajasthan, Chhattisgarh, Telangana and Lakshadweep; at isolated places over East Uttar Pradesh, West Bengal & Sikkim, Assam & Meghalaya, Jharkhand, East Madhya Pradesh, Madhya Maharashtra, South Interior Karnataka and Andaman & Nicobar Islands. They were appreciably below normal (-3.1°C to -5.0°C) at most places over Gujarat Region; at a few places over Saurashtra & Kutch and at isolated places over East Rajasthan and West Madhya Pradesh; below normal (-1.6°C to -3.0°C) at few places over Odisha and Coastal Andhra Pradesh & Yanam and at isolated places over Rayalaseema and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 39.9°C was reported at Jaisalmer(West Rajasthan).
- Minimum Temperature Departures as on 23-08-2020: Minimum temperatures were above normal (1.6°C to 3.0°C) at many places over Uttarakhand and West Rajasthan; at a few places over East Rajasthan, Andaman & Nicobar Islands, Vidarbha, Lakshadweep, Sub-Himalayan West Bengal & Sikkim, Jharkhand and Kerala & Mahe; at isolated places over Jammu & Kashmir, Ladakh, Gilgit-

Baltistan & Muzaffarabad, Himachal Pradesh, Haryana, Chandigarh & Delhi, Odisha, Telangana, Konkan & Goa, Madhya Maharashtra, Rayalaseema and Assam & Meghalaya. They were below normal (-1.6°C to -3.0°C) at isolated places over Madhya Pradesh and Coastal Andhra Pradesh and near normal over rest parts of the country. Yesterday, the lowest minimum temperature of 16.8°C was reported at Coonoor (Tamil Nadu) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 24 August (Day 1): Heavy to very heavy rainfall with extremely heavy falls at isolated places very likely over southwest Rajasthan and Gujarat state; heavy to very heavy rainfall at isolated places over East Rajasthan and Odisha and heavy rainfall at isolated places over Himachal Pradesh, Uttarakhand, West Madhya Pradesh, Bihar, Gangetic West Bengal, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Konkan & Goa. Moderate thunderstorm accompanied with lightning at isolated places very likely over Gangetic West Bengal, Jharkhand, Kerala & Mahe. Strong Wind (speed reaching 50-60 kmph) very likely over Southwest & adjoining Westcentral Arabian Sea; (wind speed reaching 45- 55 kmph) over North Arabian sea; Squally weather (wind speed reaching 45-55 kmph) over Gujarat-north Maharashtra coasts. Fishermen are advised not to venture into these area.
- 25 August (Day 2): Heavy to very heavy rainfall with extremely heavy falls at isolated places very likely over Odisha; heavy to very heavy rainfall at isolated places over southwest Rajasthan, Gangetic West Bengal and Saurashtra & Kutch and heavy rainfall at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Himachal Pradesh, Uttarakhand, Bihar, Jharkhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat region and Tamil Nadu, Puducherry & Karaikal. Moderate thunderstorm accompanied with lightning at isolated places very likely over Jharkhand, Telangana, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Strong Wind (speed reaching 50-60 kmph) very likely over Southwest & adjoining Westcentral Arabian Sea; (wind speed reaching 45- 55 kmph) over North Arabian sea, North Bay of Bengal, West Bengal and Odisha coasts; Squally weather (wind speed reaching 45-55 kmph) over Gujarat coasts. Fishermen are advised not to venture into these area.
- 26 August (Day 3): Heavy to very heavy rainfall at isolated places very likely over Uttarakhand, West Rajasthan, Jharkhand, Gangetic West Bengal, Odisha and Tamil Nadu, Puducherry & Karaikal and heavy rainfall at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Madhya Pradesh,

Bihar, Sub-Himalayan West Bengal & Sikkim, Gujarat State, Chhattisgarh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Kerala & Mahe and Coastal Andhra Pradesh & Yanam. Moderate thunderstorm accompanied with lightning at isolated places very likely over Tamil Nadu, Puducherry & Karaikal, Telangana and Kerala & Mahe. Strong Wind (speed reaching 50-60 kmph) very likely over Southwest & adjoining Westcentral Arabian Sea; (wind speed reaching 45- 55 kmph) over North Arabian sea, North Bay of Bengal, West Bengal and Odisha coasts; Squally weather (wind speed reaching 45-55 kmph) over Gujarat coasts. Fishermen are advised not to venture into these area.

- 27 August (Day 4): Heavy to very heavy rainfall at isolated places likely over Uttarakhand, Chhattisgarh and Jharkhand and heavy rainfall at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Madhya Pradesh, Rajasthan, West Bengal & Sikkim, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Konkan & Goa and Gujarat Region. Moderate thunderstorm accompanied with lightning at isolated places likely over Telangana. Strong Wind (speed reaching 50-60 kmph) likely over Southwest & adjoining Westcentral Arabian Sea; (wind speed reaching 45-55 kmph) over North Bay of Bengal, West Bengal and Odisha coasts. Fishermen are advised not to venture into these area.
- 28 August (Day 5): Heavy to very heavy rainfall at isolated places likely over Uttarakhand, Madhya Pradesh, Rajasthan, Konkan & Goa, Gujarat Region, Chhattisgarh and Jharkhand and heavy rainfall at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, West Bengal & Sikkim, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Madhya Maharashtra. Moderate thunderstorm accompanied with lightning at isolated places likely over Telangana. Strong Wind (speed reaching 50-60 kmph) likely over Southwest & adjoining Westcentral Arabian Sea; (wind speed reaching 45-55 kmph) over North Bay of Bengal, West Bengal and Odisha coasts. Fishermen are advised not to venture into these area.
- The weather outlook for seven days i.e., 24 Aug to 01 Sep 2020 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)

West Bengal

Weather condition:

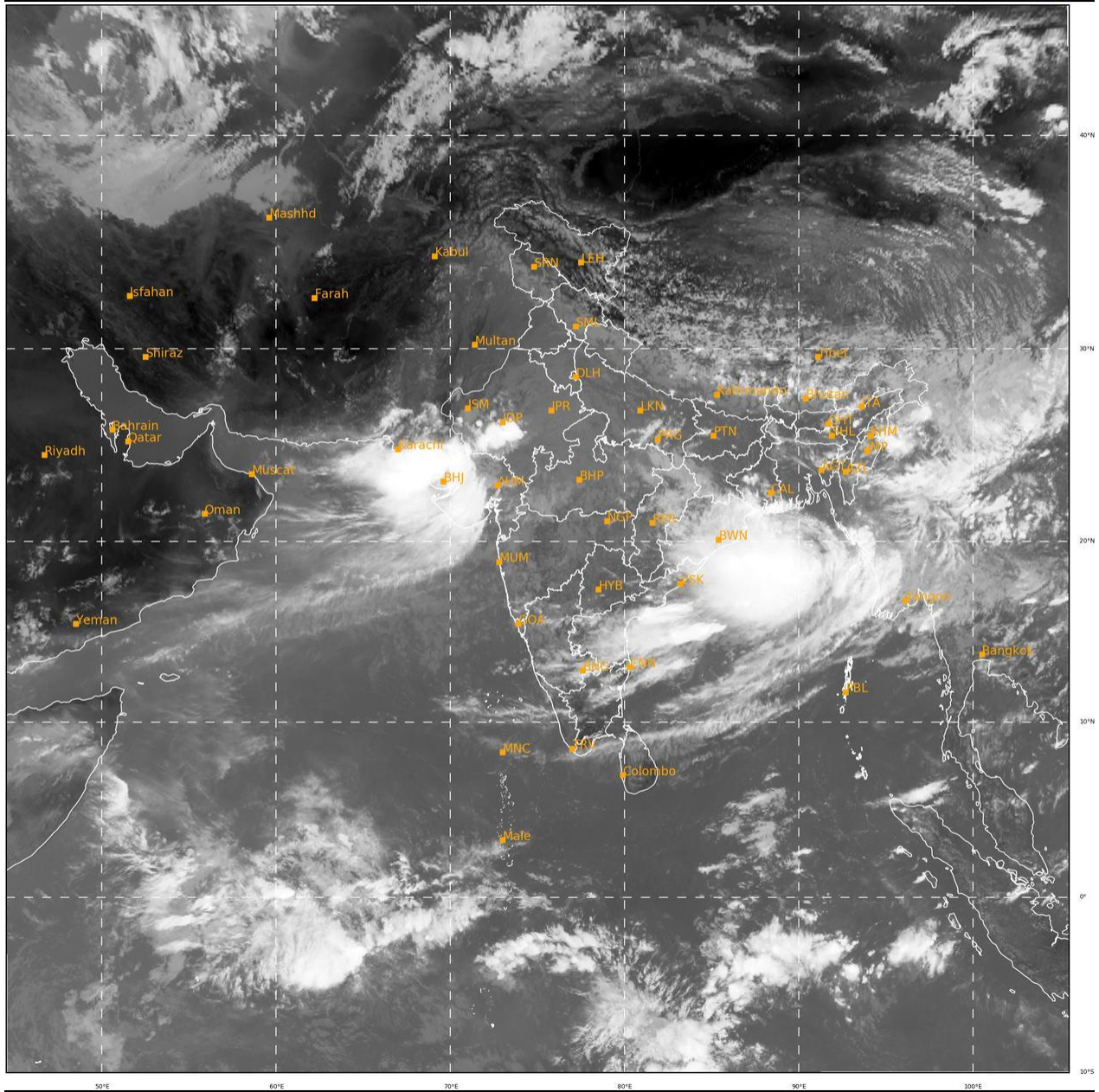
Weather conditions during the 33rd week at Mohanpur, West Bengal: Maximum temperature: 29.5 to 34.0 °C, minimum temperature: 26.4 to 27.0 °C, bright sun shine hours: 0.7 to 9.1 hours, Morning-time relative Humidity: 91 to 95 %, after noon-time R.H: 73 to 95 %, weekly total pan evaporation: 14.3 mm, total weekly rainfall: 56.2 mm and average daily wind speed is around 0.25 km/h.

Contingency measure:

- *Kharif* rice: Apply 2nd Top dressing in early transplanted crops. Whereas, apply 4.5 kg Urea/ bigha as 1st top dressing after weeding in timely sown crops. Drain out the stagnant water from the field before apply Urea. To control weed in rice field, apply 160 gm Anilophos, 400 gm Butachlor, 270 gm oxydiazon per bigha of land mixed with sand at 3-4 days after transplanting.
- Jute: For extracting good quality of fibre proper retting should be done. Avoid mud or banana stem for retting operation of Jute.
- Chilli: The present weather conditions are favorable for occurrence of thrips and mite in chillies. To control spray dipheniuran @ 1.25 gm/litre of water is recommended. Brinjal Fruit and shoot borer is severe in maximum places. Apply Triazophos 40 EC @ 1.5 ml, Spinosad 45 EC @ 0.2 ml or Cartap Hydrochloride @ 0.75 g per litre of water alternatively. To reduce attack of Fruit fly and hopper apply Monocrotophos or Fosalone @ 1.5 ml per litre of water.

SAT : INSAT-3D IMG
IMG_TIR1 10.8 um
L1C Mercator

24-08-2020/(0630 to 0656) GMT
24-08-2020/(1200 to 1226) IST



276

928

IMD, DELHI

Figure: 1. Latest available satellite picture as on 24 August 2020 at 1226 Hrs (IST). (Source: IMD).

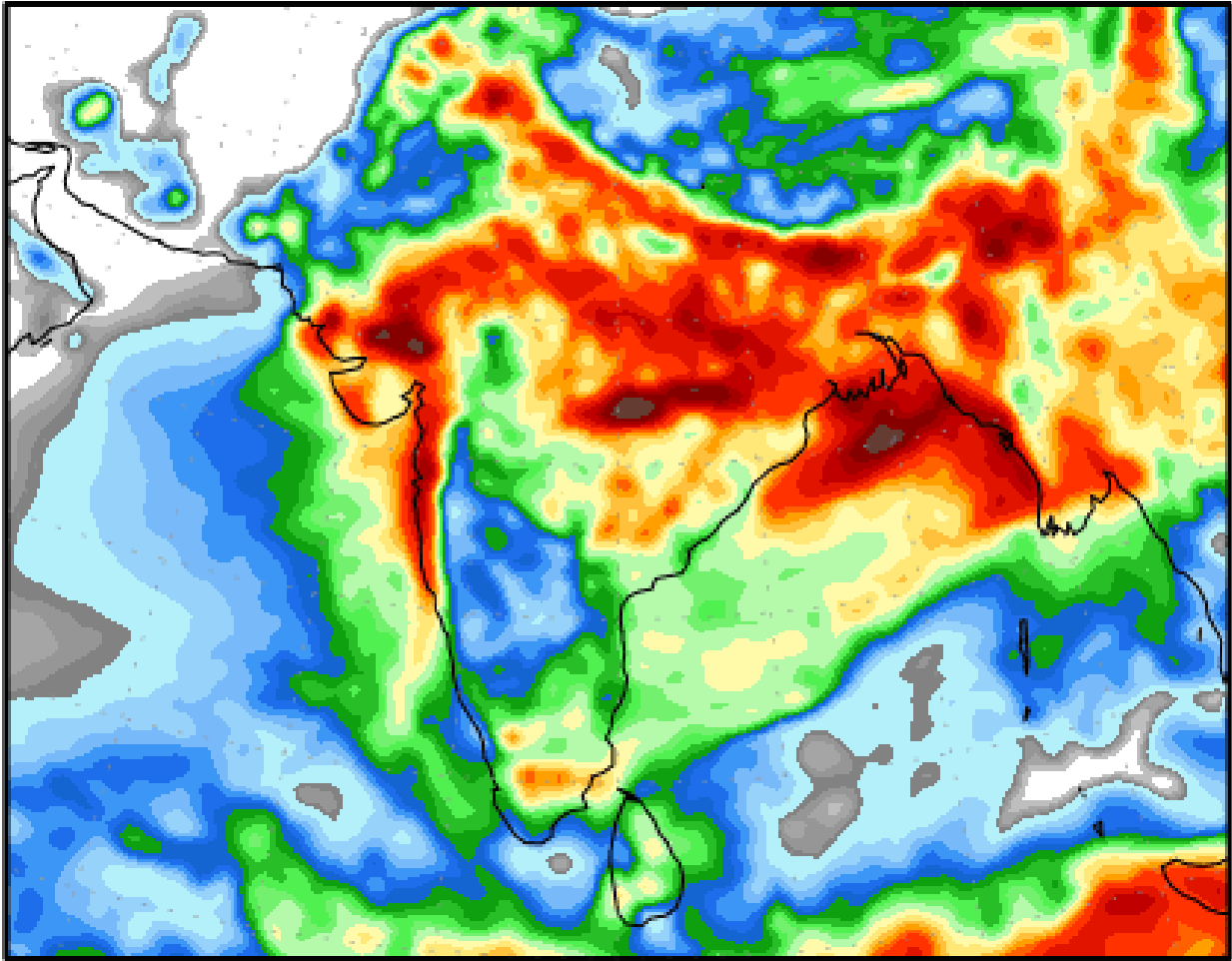


Figure:2. Precipitation forecast for 24 Aug to 01 Sep 2020 (Source: NOAA NCEP).

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.