

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 29 August 2020

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The Well Marked Low Pressure Area lies over central parts of north Madhya Pradesh & adjoining south Uttar Pradesh. It is very likely to move west-northwestwards during next 2 days and weaken gradually. The Monsoon Trough at mean sea level is active and lies south to its normal position.
- Under the influence of the above system, widespread rainfall with heavy to very heavy falls likely over Madhya Pradesh, Vidarbha on 29th August and over Rajasthan, Gujarat state and Konkan & Goa on 29th & 30th August. Isolated extremely heavy falls are also likely over West Madhya Pradesh and adjoining southeast Rajasthan during next 24 hours.
- Fairly widespread rainfall with Isolated heavy falls and thunderstorm & lightning very likely over Northwest India and Western Himalayan Region during 01st-02nd September, 2020.
- Moderate thunderstorm accompanied with lightning at isolated places very likely over Rajasthan during next 48 hours and over West Madhya Pradesh during next 24 hours.
- The images showing the latest satellite picture in the figure. 1.

Main Weather Observations (IMD)

- Rain/Thundershowers observed (from 0830 hrs IST of yesterday to 0830 hrs IST of today): at most places over Arunachal Pradesh, Uttarakhand, Madhya Pradesh, Sub-Himalayan West Bengal & Sikkim, Saurashtra & Kutch, Vidarbha, Chhattisgarh, Coastal Karnataka and Konkan & Goa; at many places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Himachal Pradesh, Haryana, Chandigarh & Delhi, Lakshadweep and Madhya Maharashtra; at a few places over Odisha, West Uttar Pradesh, Punjab, East Rajasthan, Gujarat region, Marathawada, Telangana and Interior Karnataka and at isolated places over Andaman & Nicobar Islands, Gangetic West Bengal, West Rajasthan, East Uttar Pradesh,

Coastal Andhra Pradesh & Yanam, Bihar, Jharkhand, Rayalaseema, Kerala & Mahe and Tamil Nadu.

- Heavy to very heavy rainfall at a few places with extremely heavy falls observed at isolated places over Madhya Pradesh; heavy to very heavy rainfall at isolated places over Haryana, Chandigarh & Delhi, Vidarbha, Assam & Meghalaya and Konkan & Goa and heavy rainfall at isolated places over Uttarakhand, West Rajasthan and Arunachal Pradesh.
- Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hrs IST of today): at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Bihar, Madhya Pradesh, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, Vidarbha, Chhattisgarh, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Tripura.
- Maximum Temperature Departures as on 28-08-2020: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over South Interior Karnataka; at a few places over Kerala & Mahe and Andaman & Nicobar Islands and at isolated places over Tamil Nadu, Puducherry & Karaikal; above normal (1.6°C to 3.0°C) at many places over Assam & Meghalaya and Coastal Karnataka; at isolated places over Rajasthan, East Uttar Pradesh, Odisha, Coastal Andhra Pradesh & Yanam and Konkan & Goa. They were markedly below normal (-5.1°C or less) at a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad and Vidarbha; at isolated places over East Madhya Pradesh; appreciably below normal (-3.1°C to -5.0°C) at a few places over Chhattisgarh; at isolated places over Himachal Pradesh; below normal (-1.6°C to -3.0°C) at a few places over Punjab and at isolated places over West Uttar Pradesh, Gujarat state, West Madhya Pradesh and Telangana and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 38.1°C was reported at Churu (West Rajasthan).
- Minimum Temperature Departures as on 29-08-2020: Minimum temperatures are above normal (1.6°C to 3.0°C) at most places over Lakshadweep; at many places over Sub-Himalayan West Bengal & Sikkim and Uttarakhand; at a few places over West Rajasthan and Andaman & Nicobar Islands and at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Himachal Pradesh, Gujarat, Odisha, Coastal Andhra Pradesh & Yanam and Assam & Meghalaya. They are appreciably below normal (-3.1°C to -5.0°C) at isolated places over East Madhya Pradesh and Vidarbha; below normal (-1.6°C to -3.0°C) at a few places over Tamilnadu, Puducherry & Karaikal; at isolated places over West Madhya Pradesh and Chhattisgarh and near normal over rest parts of the country. The

lowest minimum temperature of 18.4°C reported at Pendra Road (East Madhya Pradesh) over the plains of the country.

Weather Warning during the next 5 days (IMD)

- 29 August (Day 1): Heavy to very heavy rainfall at a few places with extremely heavy falls at isolated places very likely over East Rajasthan and West Madhya Pradesh; heavy to very heavy rainfall at isolated places over East Madhya Pradesh, Vidarbha, Gujarat State and Konkan & Goa and heavy rainfall at isolated places over southwest Uttar Pradesh, West Rajasthan, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya and ghat areas of Madhya Maharashtra. Moderate to severe thunderstorm accompanied with lightning very likely at isolated places over Rajasthan and thunderstorm accompanied with lightning at isolated places over Madhya Pradesh, Coastal Andhra Pradesh & Yanam, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Strong Wind (speed reaching 45-55 kmph) very likely over Southwest Arabian Sea. Squally weather with wind (speed reaching 45-55 kmph) over Northeast Arabian Sea and along & off north Maharashtra-Gujarat coasts and Comorin area. Fishermen are advised not to venture into these areas.
- 30 August (Day 2): Heavy to very heavy rainfall at isolated places very likely over Rajasthan, Sub-Himalayan West Bengal & Sikkim and Gujarat state and heavy rainfall at isolated places over West Madhya Pradesh, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, ghat areas of Madhya Maharashtra, Konkan & Goa and Tamil Nadu, Puducherry & Karaikal. Moderate to severe thunderstorm accompanied with lightning very likely at isolated places over Rajasthan and thunderstorm accompanied with lightning at isolated places over Coastal Andhra Pradesh & Yanam, Tamilnadu, Puducherry & Karaikal, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Strong Wind (speed reaching 45-55 kmph) very likely over Southwest Arabian Sea. Squally weather with wind (speed reaching 45-55 kmph) over Northeast Arabian Sea and along & off north Maharashtra-Gujarat coasts. Fishermen are advised not to venture into these areas.
- 31 August (Day 3): Heavy to very heavy rainfall at isolated places very likely over West Rajasthan, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya and Tamil Nadu, Puducherry & Karaikal and heavy rainfall at isolated places over East Rajasthan, Bihar, Odisha, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gujarat state, Konkan & Goa, South Interior Karnataka and Kerala & Mahe. Moderate to severe thunderstorm accompanied with lightning very likely at isolated places over West Rajasthan and thunderstorm accompanied with

lightning at isolated places over Bihar, Odisha, Coastal Andhra Pradesh & Yanam, Tamil Nadu, Puducherry & Karaikal, South Interior Karnataka and Kerala & Mahe. Strong Wind (speed reaching 45-55 kmph) very likely over Southwest Arabian Sea. Squally weather with wind (speed reaching 45-55 kmph) over Northeast Arabian Sea and along & off Gujarat coast. Fishermen are advised not to venture into these areas.

- 01 September (Day 4): Heavy to very heavy rainfall at isolated places likely over Tamilnadu, Puducherry & Karaikal and heavy rainfall at isolated places likely over Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Rajasthan, Uttar Pradesh, Bihar, Jharkhand, West Bengal & Sikkim, Odisha, Nicobar Islands, Assam & Meghalaya, Coastal Andhra Pradesh & Yanam, Rayalaseema, South Interior Karnataka and Kerala & Mahe. Thunderstorm accompanied with lightning likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Rajasthan, Uttar Pradesh, Bihar, Jharkhand, Gangetic West Bengal, Odisha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Interior Karnataka, Tamil Nadu, Puducherry & Karaikal and Kerala & Mahe. Strong Wind (speed reaching 45-55 kmph) likely over Southwest Arabian Sea. Fishermen are advised not to venture into these areas.
- 2 September (Day 5): Heavy rainfall at isolated places likely over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Rajasthan, Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Odisha, Nicobar Islands, Coastal Andhra Pradesh & Yanam, Rayalaseema, Coastal & South Interior Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe. Thunderstorm accompanied with lightning likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Rajasthan, Uttar Pradesh, Jharkhand, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Karnataka, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe. Strong Wind (speed reaching 45-55 kmph) likely over Southwest Arabian Sea. Fishermen are advised not to venture into these areas.
- The weather outlook for seven days i.e., 29 Aug to 06 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)

Uttarakhand

Weather condition:

Generally cloudy sky condition was with 41.2mm. rainfall observed during the week. Maximum and Minimum temperatures was ranged from 21.3 to 23.8 degree Celsius and 14.2 to 16.0 degree Celsius, respectively. Relative humidity in afternoon was ranged from 76 to 98%. Wind speed was between 3.0 to 5.8 kmph. As per forecast received from IMD Heavy rainfall with intense spells and lightning likely to occur at isolated places during 26 to 29 August.

Contingency measure:

- Keeping in view of past week weather and forecast weather, farmers are advised to prepare fields and do sowing work of barnyard millet, rainfed paddy, potato etc during non rainy days.
- Use optimum quantity of fertilizers basis on soil testing. Apply FYM/Vermicompost and bioagents at the time of last ploughing and seed treatment must be before sowing. Prepare fields and do transplanting work of tomato, brinjal etc. Installed honey bee boxes during flowering to enhance pollination. Vaccinate against PPR disease in goat.

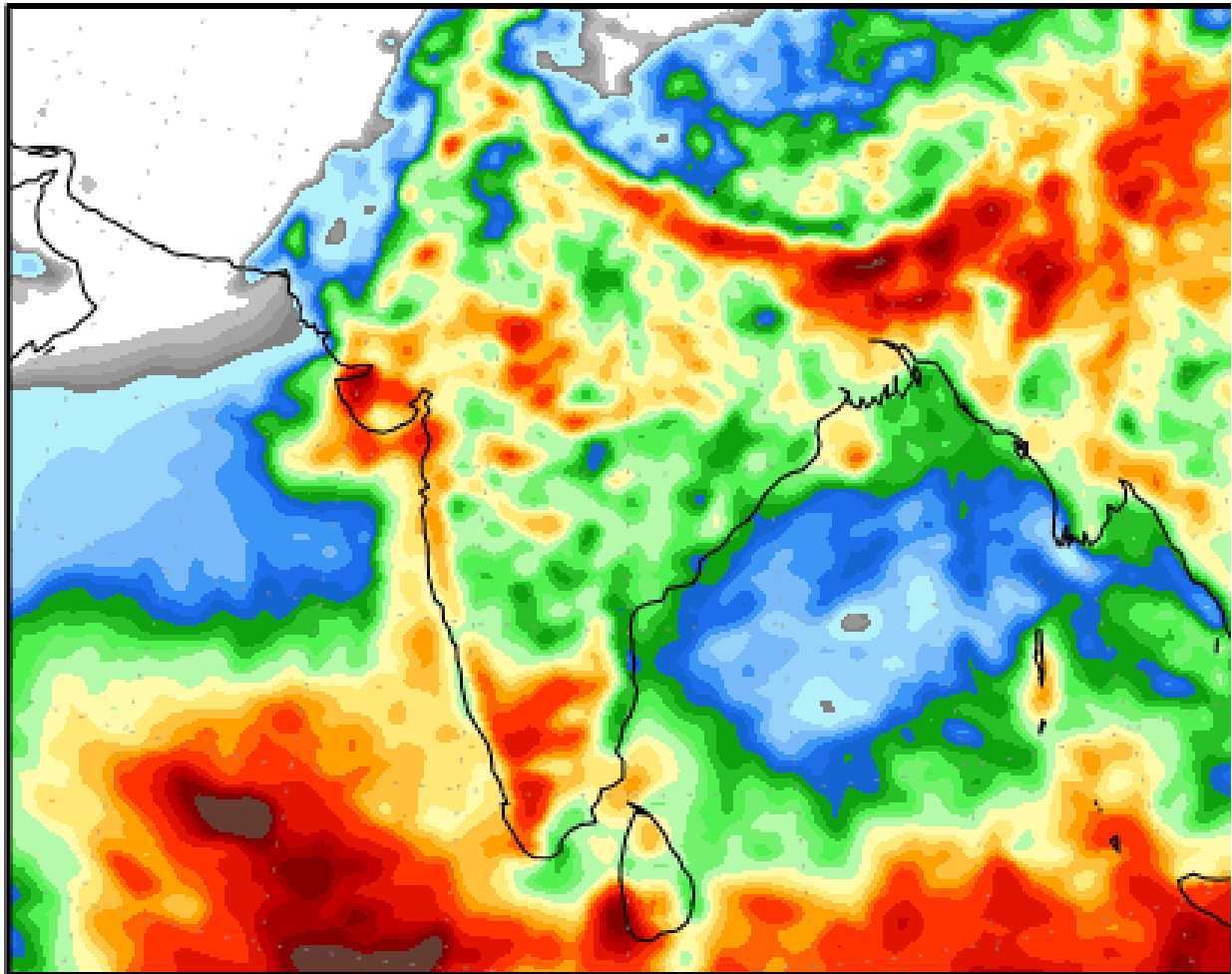


Figure:2. Precipitation forecast for 29 Aug to 06 Sep 2020 (Source: NOAA NCEP).

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.