

# **All India Coordinated Research Project on Agrometeorology**

## **CRIDA, Santoshnagar, Hyderabad – 500 059**

### **Daily Crop Weather Information as on 26 September 2020**

**Attention: Rajiv Maheshwari, OSD, ICAR**

#### **Significant Weather Features (IMD)**

- Conditions are becoming favourable for withdrawal of southwest Monsoon from West Rajasthan and adjoining areas around 28th September, 2020.
- The Low Pressure Area lies over east Bihar & neighbourhood and it is likely to become less marked by tomorrow. A trough runs from the cyclonic circulation associated with above Low Pressure Area to westcentral Bay of Bengal off Andhra Pradesh coast across northeast Jharkhand and Odisha in lower & middle tropospheric levels.
- The Monsoon trough runs north of its normal position.
- Under the influence of these systems, Isolated extremely heavy falls very likely over Meghalaya during next 24 hours. Isolated heavy to very heavy falls also very likely over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya and isolated heavy falls over east Bihar, Odisha, Gangetic West Bengal and Nagaland, Mizoram & Tripura during next 24 hours.
- A trough runs from south Chhattisgarh to South Interior Karnataka across Telangana and Rayalaseema in lower tropospheric levels. Under its influence, fairly widespread to widespread rainfall activity with isolated heavy to very heavy falls, thunderstorm & lightning very likely over Coastal Andhra Pradesh, south Chhattisgarh, Telangana, Rayalaseema and Interior Karnataka during next 24 hours.
- Dry weather over most parts of the northwest India from 28th September onwards.
- Moderate thunderstorm with lightning very likely at isolated places over Haryana, Chandigarh & Delhi, Telangana, Rayalaseema, Coastal Andhra Pradesh, Interior Karnataka, East Bihar, northeast Jharkhand, West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Mizoram & Tripura during next 12 hours.
- 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 Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Bihar, Konkan & Goa, Madhya Maharashtra, Marathawada, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal & North Interior Karnataka, Sub-Himalayan West Bengal & Sikkim and Arunachal Pradesh; at many places over Gangetic West Bengal, South Interior Karnataka and Kerala & Mahe; at a few places over Jharkhand, Gujarat, Tamil Nadu and Andaman & Nicobar Islands and at isolated places over East Uttar Pradesh, Uttarakhand, Punjab, Himachal Pradesh, Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, East Rajasthan, Madhya Pradesh, Vidarbha and Chhattisgarh.
- Heavy to very heavy rainfall with extremely heavy falls observed at isolated places over Meghalaya; heavy to very heavy rainfall at isolated places over Assam, Sub-Himalayan West Bengal & Sikkim, Bihar, Konkan & Goa, Telangana, Rayalaseema, North Interior Karnataka and Coastal Andhra Pradesh and heavy rainfall at isolated places over Gangetic West Bengal, Odisha, Jharkhand, Gujarat region, Madhya Maharashtra, Maharashtra, Vidarbha, Chhattisgarh, Tamilnadu and Arunachal Pradesh.
- Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over Odisha, Jharkhand, north Interior Karnataka, Assam & Meghalaya, West Bengal & Sikkim, Telangana, Rayalaseema, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Kerala & Mahe and Tamil Nadu, Puducherry & Karaikal.
- Maximum Temperature Departures as on 25-09-2020: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad and Himachal Pradesh and West Rajasthan and at isolated places over East Rajasthan; above normal (1.6°C to 3.0°C) at many places over Punjab, Uttarakhand and Coastal Andhra Pradesh; at a few places over Haryana, Chandigarh & Delhi and West Uttar Pradesh and at isolated places over West Madhya Pradesh, Odisha and Tamilnadu, Puducherry & Karaikal. They were markedly below normal (-5.1°C or less) at a few places over Arunachal Pradesh, Sub-Himalayan West Bengal & Sikkim and Bihar and at isolated places over East Rajasthan; appreciably below (-3.1°C to -5.0°C) at many places over Assam & Meghalaya; at a few places over Jharkhand and at isolated places over East Uttar Pradesh and below normal (-1.6°C to -3.0°C) at many places over Marathwada; at a few places over Gangetic West Bengal and at isolated

places over East madhya Pradesh, Gujarat, Vidarbha, Telangana, Madhya Maharashtra, Konkan & Goa, Coastal Karnataka and Andaman & Nicobar Islands and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 41.6°C was reported at Phalodi (West Rajasthan).

- Minimum Temperature Departures as on 26-09-2020: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at many places over East Rajasthan; at a few places over West Rajasthan; above normal (1.6°C to 3.0°C) at most places over Punjab; at many places over Uttarakhand, Haryana, Chandigarh & Delhi, Jharkhand and West Madhya Pradesh; at a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Gangetic West Bengal, Gujarat and Andaman & Nicobar Islands and at isolated places over West Uttar Pradesh, Odisha and Kerala & Mahe. They are below normal (-1.6°C to -3.0°C) at many places over Rayalaseema; at a few places over Coastal Andhra Pradesh & Yanam; at isolated places over East Madhya Pradesh, Vidarbha, Telangana and Tamilnadu, Puducherry & Karaikal and near normal over rest parts of the country. The lowest minimum temperature of 19.2°C reported at Fatehgarh (West Uttar Pradesh) over the plains of the country.

#### **Weather Warning during the next 5 days (IMD)**

- 26 September (Day 1): Heavy to very heavy rainfall with extremely heavy falls very likely at isolated places over Meghalaya; heavy to very heavy rainfall at isolated places over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and North Interior Karnataka and heavy rainfall at isolated places over south Chhattisgarh, Bihar, Gangetic West Bengal, Odisha, Nagaland, Manipur, Mizoram & Tripura, Madhya Maharashtra, Marathawada, Konkan & Goa and South Interior Karnataka. Thunderstorm with lightning at isolated places very likely over Jammu & Kashmir, Ladakh, Gilgit-Baltistan, Muzaffarabad, Himachal Pradesh, Haryana, Chandigarh & Delhi, Vidarbha, Chhattisgarh, Bihar, Jharkhand, West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, south Madhya Maharashtra, Marathawada, south Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Interior Karnataka, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal.
- 27 September (Day 2): Heavy rainfall very likely at isolated places over Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya and Coastal Andhra Pradesh & Yanam. Thunderstorm with lightning at isolated places very likely over Gangetic West Bengal, Assam & Meghalaya, Coastal

Andhra Pradesh & Yanam, Telangana, Rayalaseema and Tamilnadu, Puducherry & Karaikal.

- 28 September (Day 3): Heavy rainfall very likely at isolated places over Andaman & Nicobar Islands, Assam & Meghalaya, Telangana and Coastal Andhra Pradesh & Yanam. Thunderstorm with lightning at isolated places likely over Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, North Interior Karnataka and Tamilnadu, Puducherry & Karaikal.
- 29 September (Day 4): Heavy rainfall likely at isolated places over Andaman & Nicobar Islands, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, North Interior Karnataka and Tamil Nadu, Puducherry & Karaikal. Thunderstorm with lightning at isolated places likely over Vidarbha, Chhattisgarh, Odisha, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Interior Karnataka and Tamil Nadu, Puducherry & Karaikal.
- 30 September (Day 5): Heavy rainfall likely at isolated places over Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema and North Interior Karnataka. Thunderstorm with lightning at isolated places likely over Vidarbha, Chhattisgarh, Odisha, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Interior Karnataka and Tamilnadu, Puducherry & Karaikal.
- The weather outlook for seven days i.e., 26 Sep to 04 October 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)**

### **Maharashtra (Marathwada)**

#### **Weather condition:**

Partly cloudy sky condition was with 5.2mm. rainfall observed during the week. Maximum and Minimum temperatures was ranged from 23.5 to 26.0 degree Celsius and 13.5 to 15.0 degree Celsius, respectively. Relative humidity in afternoon was ranged from 65 to 88%. Wind speed was between 4.0 to 5.5 kmph. As per forecast received from IMD light rainfall likely to occur during 23-25 September.

#### **Contingency measure:**

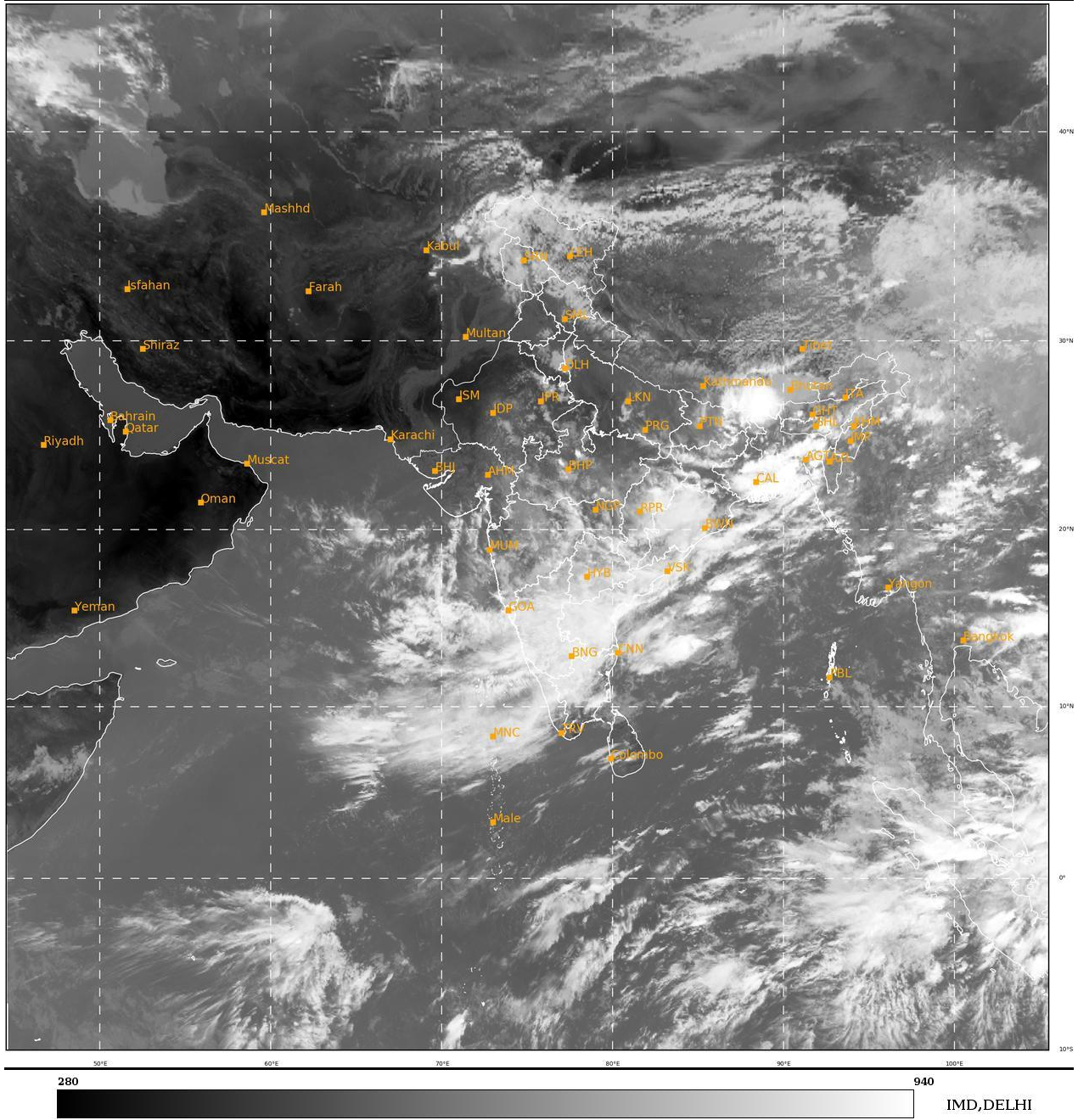
- Keeping in view of past week weather and forecast weather, farmers are advised to prepare fields and do sowing work of barnyard millet, rainfed paddy, potato etc during non rainy days. Use optimum quantity of fertilizers basis on soil testing.

- 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.

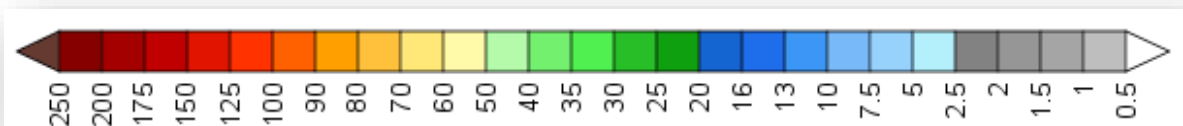
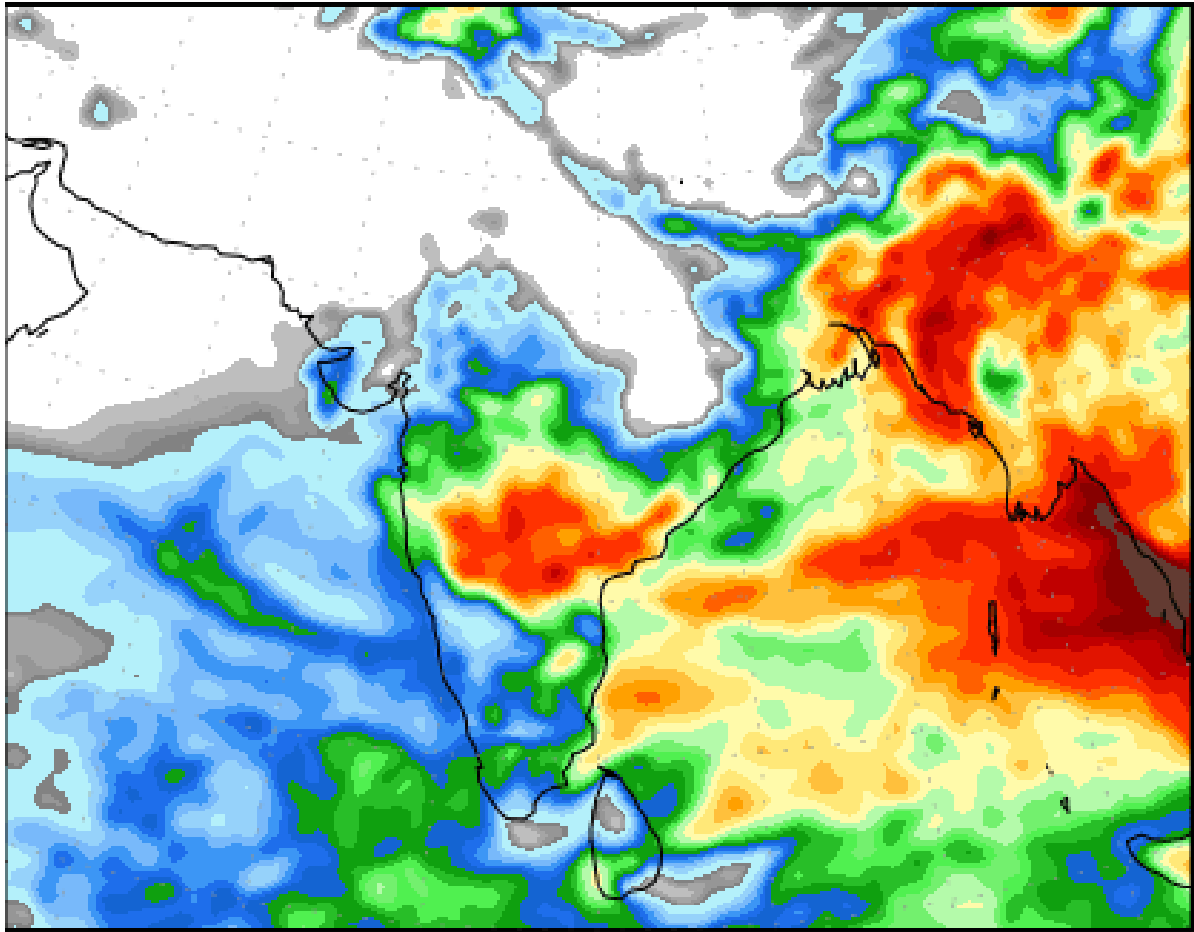


SAT : INSAT-3D IMG  
IMG\_TIR1 10.8 um  
L1C Mercator

26-09-2020/(0800 to 0827) GMT  
26-09-2020/(1330 to 1357) IST



**Figure: 1. Latest available satellite picture as on 26 September 2020 at 1357 Hrs (IST). (Source: IMD).**



**Figure:2. Precipitation forecast for 26 Sep to 04 October 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.*