

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

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

### **Daily Crop Weather Information as on 06 September 2021**

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

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

- A Low Pressure Area lies over Northwest & adjoining Westcentral Bay of Bengal off south Odisha-north Andhra Pradesh coasts with its associated cyclonic circulation extends upto middle tropospheric levels. The Low Pressure Area and its remnant is very likely to move West-north-westwards during next 4-5 days.
- The monsoon trough lies south of its normal position. It is very likely to be south of its normal position during next 4-5 days.
- A shear zone runs roughly along Latitude 18°N in lower & middle tropospheric levels. It is very likely to persist over south Peninsular India during next 4-5 days.
- Forecast and Warnings:
  - i) Fairly widespread to widespread rainfall with isolated heavy to very heavy falls very likely over Odisha, Coastal Andhra Pradesh, Telangana, Karnataka, Vidarbha and Chhattisgarh on 06th-07th September and Marathwada, Madhya Maharashtra, Konkan, Gujarat during 06th-10th September. Isolated extremely heavy falls are also likely over Coastal Andhra Pradesh on 06th; over Telangana on 06th & 7th; over Madhya Maharashtra on 07th; over north Konkan during 07th-08th, Gujarat state on 08th-9th September.
  - ii) Rainfall activity is very likely to increase with scattered to fairly widespread rainfall over most parts of northwest India with isolated heavy falls over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Jammu region and East Rajasthan during 07th to 10th September, 2021. Isolated very heavy falls also likely over Uttarakhand during 08th-10th and over East Rajasthan on 10th September.
- The images showing the latest satellite picture in the figure. 1.

#### **Main Weather Observations (IMD)**

- Rainfall/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at most places over Vidarbha, Sub-Himalayan West Bengal & Sikkim, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Coastal & North Interior Karnataka, Kerala &

Mahe and Lakshadweep; at many places over West Madhya Pradesh, Chhattisgarh, Gangetic West Bengal, Odisha, Andaman & Nicobar Islands, Rayalaseema and South Interior Karnataka; at a few places over East Rajasthan, Bihar, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Saurashtra & Kutch and Tamilnadu, Puducherry & Karaikal and at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Uttarakhand, Punjab, Haryana & Chandigarh & Delhi, Uttar Pradesh, West Rajasthan, Madhya Pradesh, Vidarbha and Jharkhand.

- Heavy rainfall observed (from 0830 hours IST of yesterday to 0830 hours IST of today): Heavy to very heavy rainfall at isolated places over West Madhya Pradesh and Coastal Andhra Pradesh and Heavy rainfall at isolated places over Uttarakhand, Kerala & Mahe, Gujarat Region, East Rajasthan, Vidarbha, Telangana, Odisha, Konkan & Goa, Marathawada, Tripura, Tamilnadu, Puducherry & Karaikal and East Uttar Pradesh.
- Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at isolated places over East Madhya Pradesh, Haryana, Chandigarh & Delhi, Gangetic West Bengal, Chhattisgarh, Assam & Meghalaya, Tripura, Telangana, Coastal Andhra Pradesh & Yanam, North Interior Karnataka, Odisha, Madhya Pradesh, Vidarbha and Tamilnadu, Puducherry & Karaikal.
- Maximum Temperature Departures as on 05-09-2021: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Gangetic West Bengal, Odisha and Assam & Meghalaya; at isolated places over East Madhya Pradesh and East Uttar Pradesh; above normal (1.6°C to 3.0°C) at most places over Sub-Himalayan West Bengal & Sikkim and Uttarakhand; at many places over Vidarbha, Chhattisgarh, Jharkhand, Bihar, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura; at isolated places over Rajasthan, West Uttar Pradesh and West Madhya Pradesh. They were appreciably below normal (-3.1°C to -5.0°C) at a few places over Rayalaseema; below normal (-1.6°C to -3.0°C) at many places over Kerala & Mahe; at a few places over Telangana, Saurashtra & Kutch, Coastal Andhra Pradesh & Yanam, Karnataka and Tamil Nadu, Puducherry & Karaikal; at isolated places over Haryana, Chandigarh & Delhi and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 39.8°C was reported at Jaisalmer (West Rajasthan).
- Minimum Temperature Departures as on 06-09-2021: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at a few places over SubHimalayan West Bengal & Sikkim, Haryana, Chandigarh & Delhi, West Rajasthan and East

Uttar Pradesh; above normal (1.6°C to 3.0°C) at most places over Punjab, Himachal Pradesh and Uttarakhand; at many places over East Rajasthan, West Uttar Pradesh and Jharkhand; at a few places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Gujarat Region, Madhya Pradesh, Bihar, Gangetic West Bengal, Arunachal Pradesh and Assam & Meghalaya and at isolated places over Saurashtra & Kutch and Lakshadweep. They are below normal (-1.6°C to -3.0°C) at a few places over Rayalaseema and at isolated places over Tamil Nadu, Puducherry & Karaikal and near normal over rest parts of the country. Today, the lowest minimum temperature of 18.6°C is reported at Khargone (West Madhya Pradesh) over the plains of the country.

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

- 06 September (Day 1): Heavy to very heavy rainfall with extremely heavy falls very likely at isolated places over Coastal Andhra Pradesh & Yanam and Telangana; Heavy to very heavy rainfall at Chhattisgarh, Odisha, Konkan & Goa, Madhya Maharashtra, Marathwada, Coastal & North Interior Karnataka; heavy rainfall at isolated places over Uttarakhand, West Madhya Pradesh, Vidarbha, Gangetic West Bengal, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Gujarat Region, Rayalseema, South Interior Karnataka and Kerala & Mahe. Thunderstorm accompanied with lightning & gusty winds (30-40 kmph) very likely at isolated places over Gangetic West Bengal and with lightning at isolated places over West Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Telangana, Rayalseema and Tamilnadu, Puducherry & Karaikal. Strong wind (speed 40-50 kmph to gusting 60 kmph) very likely over Southwest & Westcentral Arabian Sea. Squally weather (wind speed 40-50 kmph to gusting 60 kmph) very likely over West Bay of Bengal; along & off north Andhra Pradesh & West Bengal coasts; off Odisha coast and along & off south Maharashtra-Goa-Karnataka-Kerala coasts. Fisherman are advised not to venture into these areas.
- 07 September (Day 2): Heavy to very heavy rainfall at a few places with extremely heavy falls very likely at isolated places over Konkan & Goa; Heavy to very heavy rainfall with extremely heavy falls at isolated places over Madhya Maharashtra and Telangana; Heavy to very heavy rainfall at Vidarbha, Gujarat Region, Marathwada, Coastal & North Interior Karnataka; heavy rainfall at isolated places over Himachal Pradesh, Uttarakhand, Punjab, East Rajasthan, Madhya Pradesh, Chhattisgarh, West Bengal & Sikkim, Odisha, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Saurashtra & Kutch, Coastal Andhra Pradesh &

Yanam, South Interior Karnataka and Kerala & Mahe. Thunderstorm accompanied with lightning & gusty winds (30-40 kmph) very likely at isolated places over Gangetic West Bengal and with lightning at isolated places over West Madhya Pradesh, Vidarbha, Chhattisgarh, Jharkhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh & Yanam, Telangana and Rayalseema. Strong wind (speed 40-50 kmph to gusting 60 kmph) very likely over Southwest & Westcentral Arabian Sea. Squally weather (wind speed 40-50 kmph to gusting 60 kmph) very likely over Northwest & Westcentral Bay of Bengal; along & off north Andhra Pradesh & West Bengal coasts; off south Odisha coast and along & off south Gujarat-Maharashtra-Goa-Karnataka-Kerala coasts. Fisherman are advised not to venture into these areas.

- 08 September (Day 3): Heavy to very heavy rainfall with extremely heavy falls very likely at isolated places over Gujarat state and Konkan & Goa; Heavy to very heavy rainfall at Uttarakhand and Madhya Maharashtra; heavy rainfall at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, Haryana & Chandigarh, East Rajasthan, Madhya Pradesh, Vidarbha, Andaman & Nicobar Islands, Marathwada, Telangana and Coastal Karnataka. Thunderstorm accompanied with lightning very likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, Madhya Pradesh, Coastal Andhra Pradesh & Yanam and Kerala & Mahe. Strong wind (speed 40-50 kmph to gusting 60 kmph) very likely over Southwest & Westcentral Arabian Sea. Squally weather (wind speed 40-50 kmph to gusting 60 kmph) very likely along & off south Gujarat-Maharashtra coasts. Fisherman are advised not to venture into these areas.
- 09 September (Day 4): Heavy to very heavy rainfall with extremely heavy falls likely at isolated places over Gujarat state; Heavy to very heavy rainfall at north Konkan and Uttarakhand; heavy rainfall at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, Haryana & Chandigarh, Uttar Pradesh, East Rajasthan, Madhya Pradesh, Andaman & Nicobar Islands, Madhya Maharashtra and Coastal Karnataka. Thunderstorm accompanied with lightning likely at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, East Madhya Pradesh, Coastal Andhra Pradesh & Yanam and Kerala & Mahe. Strong wind (speed 40-50 kmph to gusting 60 kmph) very likely over Southwest & Westcentral Arabian Sea. Squally weather (wind speed 40-50 kmph to gusting 60 kmph) very likely along &

off south Gujarat-Maharashtra coasts. Fisherman are advised not to venture into these areas.

- 10 September (Day 5): Heavy to very heavy rainfall likely at isolated places over Uttarakhand, East Rajasthan and Gujarat Region; heavy rainfall at isolated places over Jammu & Kashmir, Ladakh, Gilgit-Baltistan & Muzaffarabad, Himachal Pradesh, Punjab, Haryana & Chandigarh, Uttar Pradesh, West Rajasthan, Madhya Pradesh, Odisha, Andaman & Nicobar Islands, Saurashtra & Kutch and north Konkan. Thunderstorm accompanied with lightning likely at isolated places over Kerala & Mahe. Strong wind (speed 40-50 kmph to gusting 60 kmph) very likely over Southwest & Westcentral Arabian Sea. Squally weather (wind speed 40-50 kmph to gusting 60 kmph) very likely along & off south Gujarat-Maharashtra coasts. Fisherman are advised not to venture into these areas.
- The weather outlook for seven days i.e., 06 Sep to 14 Sep 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:**

Cloudy condition during 1 to 5 September and 97.0 mm cumulative rainfall may be appear from 1 to 5 September, 2021. Hot humid condition may be prevailed in this week. Maximum temperature may be 1-20C higher to its normal and minimum temperature may be near to its normal. South- Easterly / South- Westerly winds may be prevailing on 7.3 to 14.1 kmph which would be 2-3 kmph higher to its normal during these days as per forecast. Therefore, insects and pest may be appeared in standing kharif crop, vegetable and animals also.

#### **Contingency measure:**

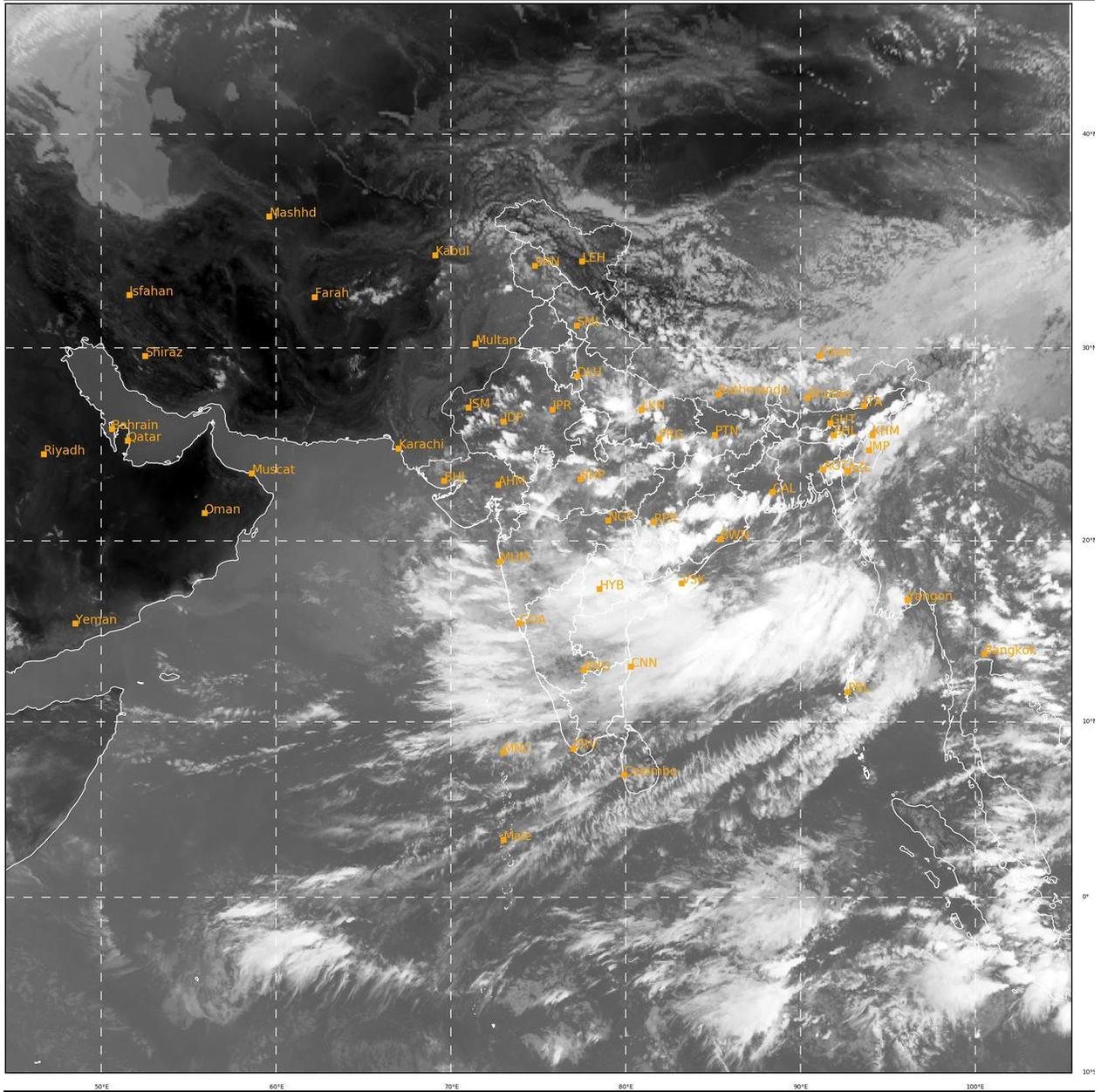
- Paddy: After weeding top dressed 1/4 Urea at tillering stage. Use chlorpyrephas 20 EC 1.5 litter/qunalphas 25 EC 1.5 litter with 500 litter water solution per ha. for protect from leaf roler, Hispa, Banka and Shoot borer. Maize: Dusting should be done with Carbofuran, 3G @ 20kg/ha to protect from shoot borer.
- Sorghum: Remove weeds from the field Dusting should be done with Carbofuran, 3G @ 20kg/ha to protect from shoot borer. Shallow hoeing must be done.
- Pearl millet :Weeding and thinning should be completed within 15 to 20 days

after sowing. Pigeon pea: Weeding should be done and plant population should be maintained by thinning.

- Black gram: Dusting should be done with Mailathiyan @ 20kg/ha to protect from white fly.
- Green gram: Dusting should be done with Mailathiyan @ 20kg/ha to protect from white fly.
- Ground nut: Earthing should be completed timely before pegging.
- Brinjal / Chilies: Transplanting should be done with new seedlings. Pick up mature fruits from standing crop, watching insect & pest, if need apply recommended dose of insecticide. Weeding must be completed. Spray 0.5% corbandozim or thirum to protect from dumping-off disease in chilly.
- Leafy Vegetable: Sowing, cutting, marketing.
- Jowar / Maize MPchari + Lobia + Moongbeen : Sowing of Jowar varieties as Pusa chari-23, SSG-98-8MFSH-3, H Pant-5 and MP chari @ 30-40 kg seeds /ha. with lobia varieties as Rashian zoint, UPC-5286, UPC-5287, NP-3, Bundhel lobia-2, UPC-9202 and UPC-4200 @ 15-20 kg seed for mixed cropping or 40 kg seed sown for alone. Used Maize hybrid as Ganga-2, 5,7 or composite as Kishan, African toll and Vijay or indigenous variety Type-41 for fodder.
- Animal : Bathing should be done in animals before milking and fresh water should be used for drinking. Balanced diet should be given for milch animal with 50% green fodder. Common diseases of animals are Anthrax (high fever and enlargement of spleen), the others are Gala Ghotu. (respiratory trouble and Surra ( Sudden death of animals after restlessness ). The routine immunization of animals becomes necessary since disease decrease milk production capacity among milch animals if need concerned near Veterinary hospital.

SAT : INSAT-3D IMG  
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LIC Mercator

06-09-2021/(0800 to 0827) GMT  
06-09-2021/(1330 to 1357) IST

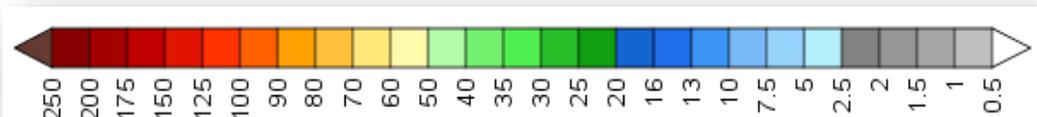
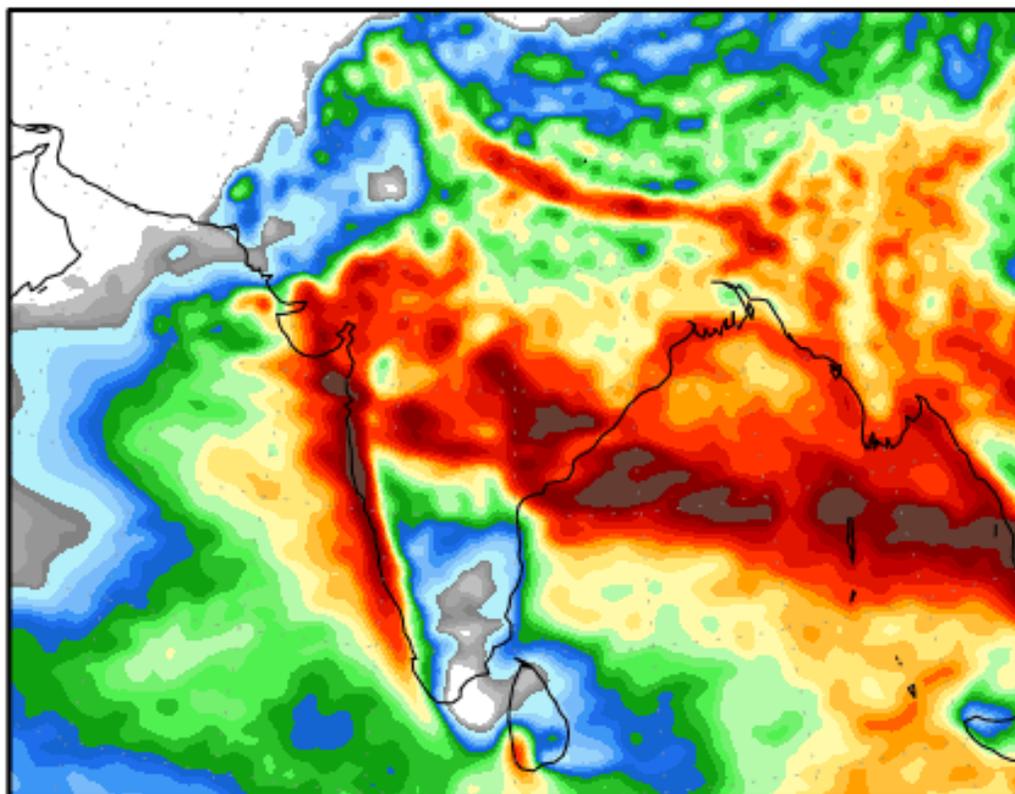


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IMD,DELHI

Figure: 1. Latest available satellite picture as on 06 Sep 2021 at 1357 Hrs (IST). (Source: IMD).



**Figure:2. Precipitation forecast for 06 Sep to 14 Sep 2021 (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.*