

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 01 September 2018

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Significant Weather Features (IMD)

- The monsoon trough, though slightly to the north of its normal position, remain active with two embedded cyclonic circulations (i) over central parts of south Uttar Pradesh & adjoining parts of north Madhya Pradesh and (ii) over north Odisha & neighbourhood. Weakening of cross equatorial flow has caused a reduction in rainfall activity over the southern States and interior parts of peninsular India.
- In association with the active monsoon trough, fairly widespread to widespread rainfall activity with isolated heavy falls are likely to continue over Madhya Pradesh, Chhattisgarh, Uttar Pradesh, Haryana, Chandigarh & Delhi, Himachal Pradesh and Uttarakhand during next 2-3 days. Fairly widespread to widespread rainfall with isolated heavy/very heavy falls are likely over northeastern States, West Bengal, Jharkhand and Odisha during next 2 days and over Bihar during 2nd to 4th September.
- Heavy to very heavy rainfall with extremely heavy falls observed at isolated places over Odisha, heavy to very heavy rainfall at isolated places over Uttar Pradesh & Uttarakhand and heavy rainfall at isolated places over Himachal Pradesh, East Madhya Pradesh Chhattisgarh and Tamilnadu & Puducherry from 0830 hours IST of yesterday to 0830 hours IST of today.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rainfall observed (from 0830 hours IST of yesterday to 0830 hours IST of today): Rain/thundershowers observed at most places over Uttarakhand, Chhattisgarh, Odisha, Konkan & Goa, Coastal Karnataka; at many places over Uttar Pradesh, East Madhya Pradesh, Assam & Meghalaya, Gangetic West Bengal and Andaman & Nicobar Islands, West Madhya Pradesh, Jharkhand and Tamilnadu & Puducherry; at a few places over Bihar, Vidarbha, Sub Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Gujarat, Interior Karnataka & Coastal Andhra Pradesh and at isolated places over Kerala, Jammu & Kashmir, Telangana, Rayalaseema, Marathawada, Madhya Maharashtra, East Rajasthan, Haryana, Chandigarh & Delhi.
- Maximum temperature departures as on 31.08.2018: Maximum temperatures were above normal (1.6°C to 3.0°C) at most places over Punjab, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; at many places over Sub Himalayan West Bengal & Sikkim,

Jammu & Kashmir and Coastal Andhra Pradesh; at a few places over Himachal Pradesh, Rayalaseema, South Interior Karnataka and Kerala and at isolated places over Haryana, Chandigarh & Delhi, Konkan & Goa and Tamilnadu & Puducherry. They were appreciably below normal (3.1°C to 5.0°C) at many places over West Madhya Pradesh and at isolated places over East Madhya Pradesh; below normal (1.6°C to 3.0°C) at most places over West Uttar Pradesh and Vidarbha; at many places over East Uttar Pradesh and Uttarakhand; at a few places over East Rajasthan, Gujarat, Odisha, Gangetic West Bengal and Andaman & Nicobar Islands. The highest maximum temperature of 39.2°C was recorded at Ganganagar (West Rajasthan) over the country.

- Minimum temperature departures as on 01.09.2018: Minimum temperatures are above normal (1.6°C to 3.0°C) at most places over Punjab and Nagaland, Manipur, Mizoram & Tripura; at many places over Uttarakhand, Lakshadweep and Arunachal Pradesh; at a few places over Jammu & Kashmir and at isolated places over Coastal Andhra Pradesh, Assam & Meghalaya and Sub Himalayan West Bengal & Sikkim. They are below normal (1.6°C to 3.0°C) at a few places over Madhya Pradesh, East Uttar Pradesh, Odisha, Telangana, Marathwada and Madhya Maharashtra and at isolated places over West Uttar Pradesh, Himachal Pradesh, Saurashtra & Kutch and Tamilnadu & Puducherry and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 01 September (Day 1): Heavy to very heavy rain at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, West Uttar Pradesh, Uttarakhand, East Rajasthan, Madhya Pradesh & Chhattisgarh and heavy rain at isolated places over Sub Himalayan West Bengal & Sikkim, Jharkhand, East Uttar Pradesh, Haryana, Chandigarh & Delhi, Himachal Pradesh, Vidarbha, Tamilnadu & Puducherry and Coastal Andhra Pradesh.
- 02 September (Day 2): Heavy to very heavy rain at isolated places very likely over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Himachal Pradesh & Uttarakhand and heavy rain at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Odisha, Jharkhand, Uttar Pradesh, Haryana, Chandigarh & Delhi, East Rajasthan, Madhya Pradesh, Konkan & Goa and Chhattisgarh.
- 03 September (Day 3): Heavy to very heavy rain at isolated places very likely over Uttarakhand and heavy rain at isolated places over Nagaland, Manipur, Mizoram & Tripura, Bihar, Uttar Pradesh, Haryana, Chandigarh & Delhi, Punjab and East Rajasthan.
- 04 September (Day 4): Heavy rain at isolated places over Assam & Meghalaya, Gangetic West Bengal, Jharkhand, Bihar and Tamilnadu & Puducherry.
- 05 September (Day 5): Heavy rain at isolated places over Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Odisha and Tamilnadu & Puducherry.
- The weather outlook for the period of seven days i.e 01 to 07 September 2018 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from

<http://monsoondata.org/wx2/>) rain/thundershower may occur over Jammu & Kashmir, Uttarakhand, Haryana, Chandigarh & Delhi, East Rajasthan, Uttar Pradesh, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Bihar, Jharkhand, Madhya Pradesh, Chhattisgarh, Odisha, Gujarat, Konkan & Goa, Vidarbha, Marathawada, Madhya Maharashtra, Coastal Andhra Pradesh, Rayalaseema, Telangana, Interior Karnataka, Coastal Karnataka, Kerala, Tamilnadu & Puducherry, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Western Uttar Pradesh

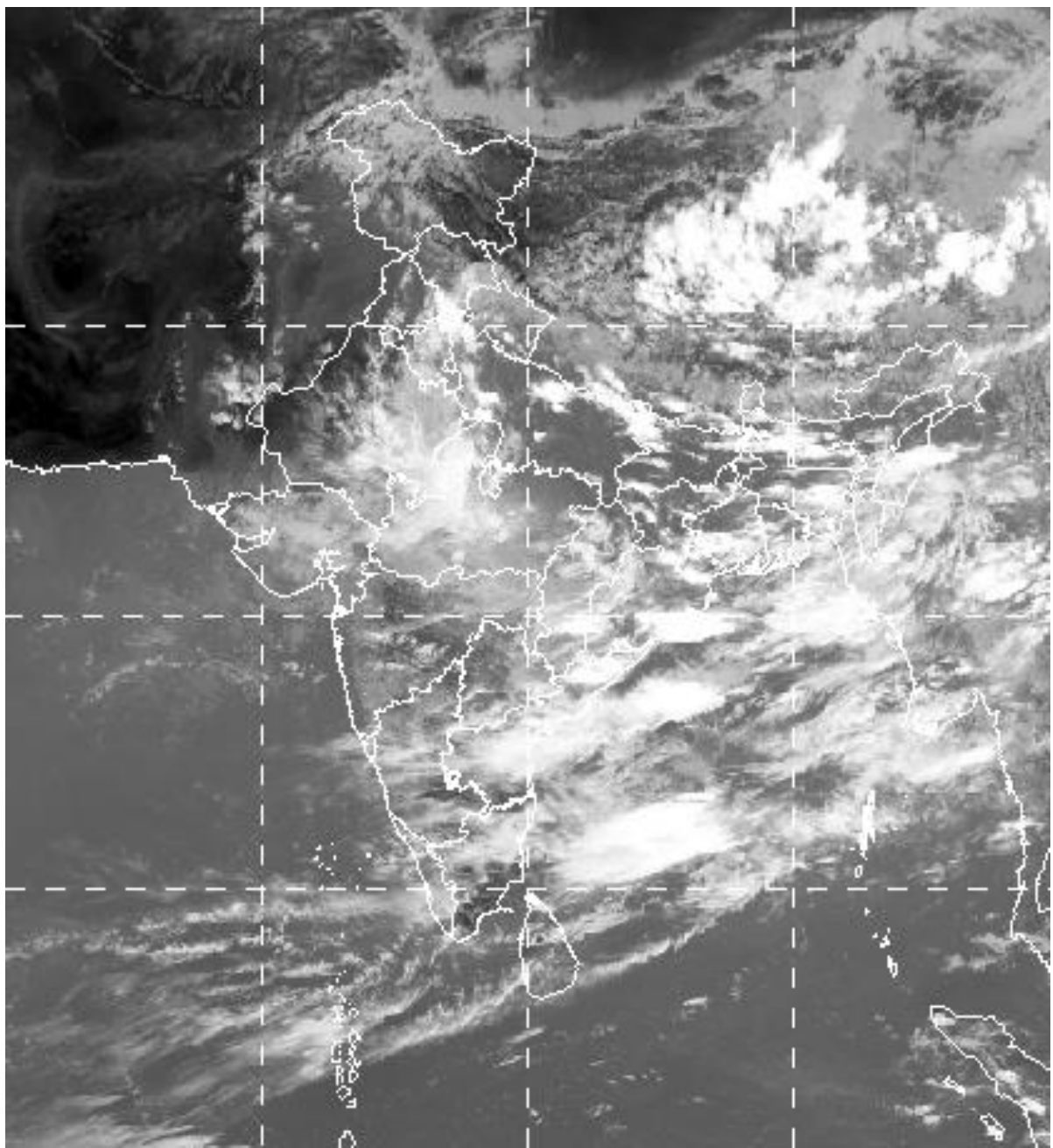
Weather condition

Light rainfall received in Western region of Uttar Pradesh state during past few days. Both maximum and minimum, temperatures are near to its normal.

Contingency measure:

- Paddy: Weeding should be done and top dressed 1/4 urea after 20 to 25 days after planting. If grassy and broad leaf weeds are seen in paddy field, spray bispyriback sodium 10% SC 0.20 lt. with 500 lt of water solution after 10-15 days transplanting at 3.0 cm standing water. If seen 2 insect Leaf roller and Hispa/ leaf spray Quenalphas 25EC 1.5 lt/ha with 600 lt. water. If seen Khaira disease, spray 5.0kg Zink sulphate/ha. with 2.0% Urea solution. Green hopper, Brown hopper, Leaf roller are seen in most of the paddy field. For control of these insects dusting Corbofuran 3G @20.0 kg or Cortop hydrochloride 4G @ 18.0kg/ha. or spray Chlorpyriphas 20% @ 1.5lt. or Quenalphas 25% @ 1.5lt with 500 lt of water solution.
- Maize: Top dressing 1/4 urea at Knee high stage. Spray Forete -10G @ 10 kg/ha for measuring shoot borer if seen. Drain out excess water from the field. Sorghum :Weeding should be done and plant population should be maintain by thinning. Drain out excess water from the field.
- Pearl millet :Weeding and thinning should be completed within 15 to 20 days after sowing and weeds used for mulch. Shallow hoeing must be done for conservation of moisture. Drain out excess water from the field.
- Pigeon pea: Sowing of long duration varieties such as Bahar and PDA-11. Seed should be treated with Fungicide, insecticide and after that Rhizobium culture. Used 2.0 Q/ha Zipsum at the time of final preparation of field. Drain out excess water from the field.
- Black gram: Weeding should be done and plant population should be maintained by thinning. Drain out excess water from the field. Green gram: Weeding should be done and plant population should be maintained by thinning. Drain out excess water from the field.

- Ground nut: Weeding should be done timely. Possibility of white grubs and Termite used 10kg/ha Forete-10G as profailatic topdressing in the field. Drain out excess water from the field.
- 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/ Neem oil. Weeding must be completed. Drain out excess water from the field. Leafy Vegetable: Cutting, marketing and sowing. Drain out excess water from the field.
- Jowar / Maize Mucchari + 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 joint , 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.



**Figure: 1. Latest available satellite picture as on 01 September 2018 at 0230 Hrs (IST).
(Source: IMD).**

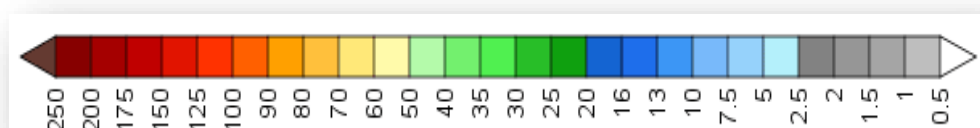
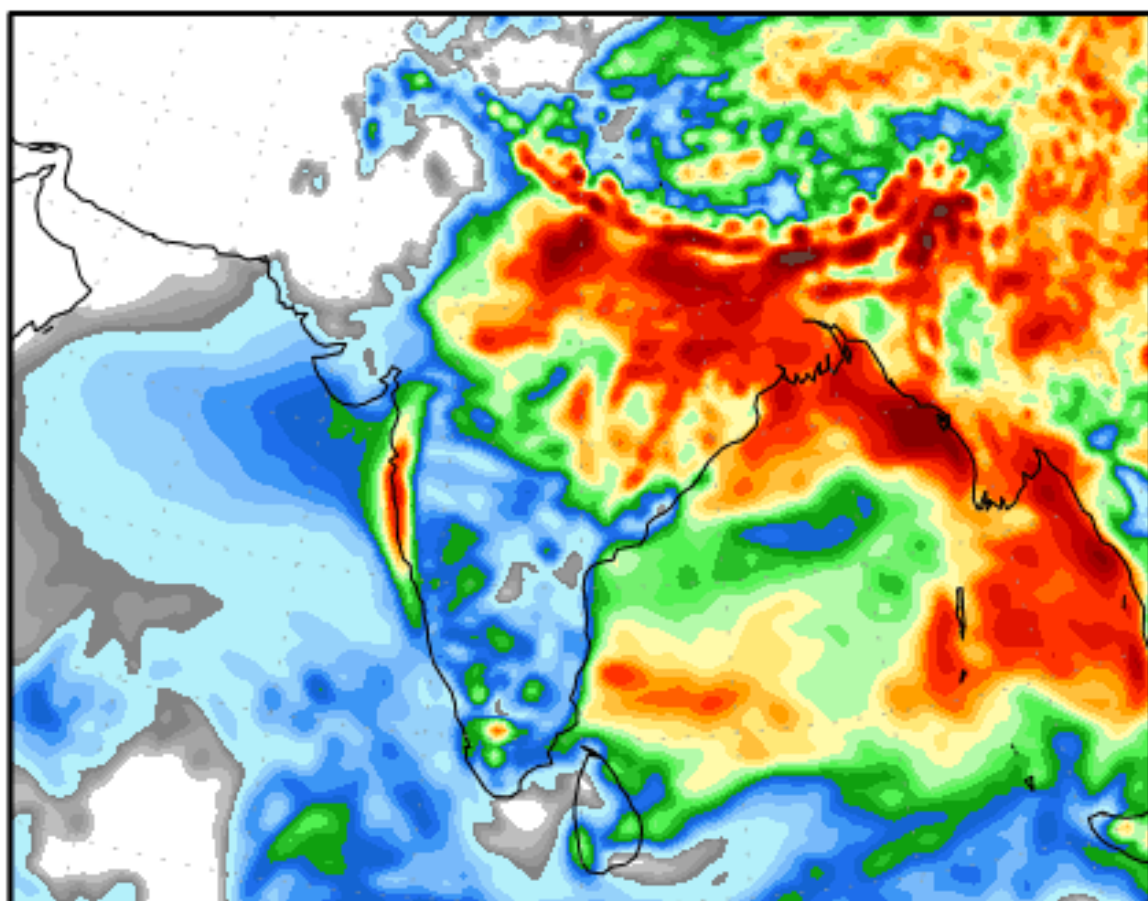


Figure: 2. Precipitation forecast for 01 to 07 September 2018 (Source: NOAA NCEP).