

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 05 September 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The low pressure area persists over northwest Bay of Bengal & neighbourhood. It is likely to become more marked over the same region during next 24 hours and move subsequently westnorthwestwards across northern parts of Odisha, Chhattisgarh and Madhya Pradesh during 7th-9th September. Under its influence, fairly widespread to widespread rainfall with isolated very heavy & extremely heavy falls are likely over Odisha during next 48 hours. Adjoining areas of Gangetic West Bengal, Jharkhand and Chhattisgarh are also likely to receive fairly widespread to widespread rainfall with isolated heavy falls during this period.
- An active monsoon trough and likely strengthening of easterlies could cause fairly widespread to widespread rainfall with isolated heavy fall over parts of Madhya Pradesh during next 3 days, over Uttar Pradesh during next 48 hours and over East Rajasthan and Haryana, Chandigarh & Delhi on 7th and 8th. Foothills of the Himalayas are likely to receive enhanced rainfall on 9th & 10th September. Northeastern States are likely to experience increase in rainfall activity from 7th September.
- As the cross equatorial flow is likely to continue to remain weak, the rainfall activity could remain subdued over Peninsular India during next 45 days. Heavy rainfall observed at isolated places over Himachal Pradesh, Odisha, Gangetic West Bengal, East Rajasthan, East Uttar Pradesh, Chhattisgarh and West Madhya Pradesh 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 hrs IST of yesterday to 0830 hrs IST of today): Rain/thundershowers observed at most places over Uttarakhand, Odisha, Konkan & Goa and Nagaland, Manipur, Mizoram & Tripura; at many places over Uttar Pradesh, Bihar, East Madhya Pradesh, Chhattisgarh, Gangetic West Bengal, Andaman & Nicobar Islands and Jharkhand; at a few places over Haryana, Chandigarh & Delhi, East Rajasthan, West Madhya Pradesh, and Himachal Pradesh; and at isolated places over Telangana, Vidarbha, Marathwada, Madhya Maharashtra, South Interior Karnataka, Tamil Nadu & Puducherry, Jammu & Kashmir and Coastal Andhra Pradesh. Rainfall recorded at 0830 hours IST of today (3 cm or more) are: Kanpur 10; Sawai Madhopur 9; Satna and Kasauli 8 each; Lucknow, Bharatpur

and Sohra⁶each; Indore and Shillong⁵each; Hoshangabad and Silchar⁴each; Lumding, Guwahati, Fursatganj, Alwar, Khajuraho, Rewa, Sagar, Narsinghpur, Churu, Mayabandar, Long Islands and Kailashahar³each.

- Maximum temperature departures as on 04/09/2018: Maximum temperatures were above normal (1.6°C to 3.0°C) at most places over SubHimalayan West Bengal & Sikkim, Assam & Meghalaya, Coastal Andhra Pradesh, Rayalaseema and South Interior Karnataka; at many places over Kerala, Tamilnadu & Puducherry and Nagaland, Manipur, Mizoram & Tripura; and at isolated places over Konkan & Goa, Coastal & North Interior Karnataka, Telangana, Gangetic west Bengal, Odisha, Chhattisgarh, Madhya Maharashtra and Jammu & Kashmir; They were appreciably below normal (3.1°C to 5.0°C) at many places over West Rajasthan, East Uttar Pradesh and Haryana, Chandigarh & Delhi; and below normal (1.6°C to 3.0°C) at many places over West Uttar Pradesh and West Madhya Pradesh; at a few places over East Madhya Pradesh; and at isolated places over Vidarbha, Gujarat region, Marathawada, Jharkhand, Andaman & Nicobar Islands and near normal over rest of the country. Yesterday, the highest maximum temperature of 39.5°C was recorded at Ganganagar (West Rajasthan) over the country.
- Minimum temperature departures as on 05/09/2018: Minimum temperatures are above normal (1.6°C to 3.0°C) at most places over SubHimalayan West Bengal & Sikkim and Uttarakhand; at many places over Jammu & Kashmir, Punjab and Arunachal Pradesh; at a few places over Bihar, Himachal Pradesh and Coastal Andhra Pradesh; and at isolated places over Rayalaseema, Andaman & Nicobar Islands, Gangetic West Bengal, Assam & Meghalaya, Tamilnadu & Puducherry and west Uttar Pradesh. They are below normal (1.6°C to 3.0°C) at a few places over South Interior Karnataka and Marathawada; and at isolated places over Vidarbha, Madhya Maharashtra, Odisha, West Rajasthan, East Uttar Pradesh, Madhya Pradesh, East Rajasthan, Haryana, Chandigarh & Delhi, Gujarat and Kerala; and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 05 September (Day 1): Heavy to very heavy rain with extremely heavy rain at isolated places very likely over Odisha; heavy to very heavy rain at isolated places very likely over Jharkhand and heavy rain at isolated places over Uttarakhand, Himachal Pradesh, Uttar Pradesh, Madhya Pradesh, Gangetic West Bengal and Chhattisgarh. Rough to very rough sea conditions are likely to prevail over north Bay of Bengal off Odisha West Bengal Bangladesh coasts. Fishermen are advised not to venture into these areas.
- 06 September (Day 2): Heavy to very heavy rain with extremely heavy rain at isolated places very likely over Odisha; heavy to very heavy rain at isolated places very likely over Chhattisgarh and heavy rain at isolated places over Gangetic West Bengal, Jharkhand, Uttarakhand, Uttar Pradesh and Madhya Pradesh. Rough to very rough sea conditions are likely to prevail over north Bay of Bengal off Odisha West Bengal Bangladesh coasts. Fishermen are advised not to venture into these areas.
- 07 September (Day 3): Heavy rain at isolated places very likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Odisha, Uttarakhand, Haryana,

Chandigarh & Delhi, WestUttar Pradesh, East Rajasthan, West Madhya Pradesh, Konkan & Goa, Telangana and CoastalKarnataka.

- 08 September (Day 4): Heavy rain at isolated places likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, East Rajasthan and Konkan & Goa.
- 09 September (Day 5): Heavy to very heavy rain at isolated places likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura and heavy rain at isolated places over Arunachal Pradesh, SubHimalayan West Bengal & Sikkim, Bihar and Uttarakhand.
- The weather outlook for the period of seven days i.e. 05 to 11 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, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, Bihar, West Bengal & Sikkim, Jharkhand, Chhattisgarh, Madhya Pradesh, Odisha, Gujarat, Konkan & Goa, Madhya Maharashtra, Vidarbha, Marathwada, Telangana, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

West Bengal

Weather condition

Light rainfall received in West Bengal state during past few days. Maximum temperature ranged from 28.2 to 34.0°C and minimum, temperatures ranged from 26.0 to 27.5 °C.

Contingency measure:

- Aman Rice: First weeding should be done at 3 weeks after transplanting and second weeding at 6 weeks after transplanting. Apply 4.5 kg Urea/ bigha as 1st top dressing after 1st weeding. At the time of panicle initiation, keep 5 to 7 cm water in the field. For early sown Aman rice, hot and humid weather favors Gundhi bug infestation during flowering. If 5-6 bugs/m² are found, spray Carbaryl 50% or Chlorpyrifos 20% to control the attack.
- In present weather condition, brown spot may also found. To control it, spray mancozeb 75 WP or zeneb @ 2.5 g/ lt of water. Spray should be done in non rainy day.
- Bitter-gourd and pointed gourd: Under high humidity and cloudy condition, combined attack of Downy mildew and Mosaic may be seen. Apply Ridomil Gold MZ (@2 gm per litre) to control the attack. Apply Redomil MZ (@2 gm per lt) to control the attack.
- Chilli: The present weather conditions are favorable for occurrence of thrips and mite in chilies. To control spray dipheniuran @ 1.25 gm/litre of water is recommended.

SAT :INSAT-3DR IMG

05-09-2018/10:45 GMT

IMG_TIR2 12.0 um

05-09-2018/16:15 IST

L1C Mercator (LINEAR STRETCH: 1.0%)

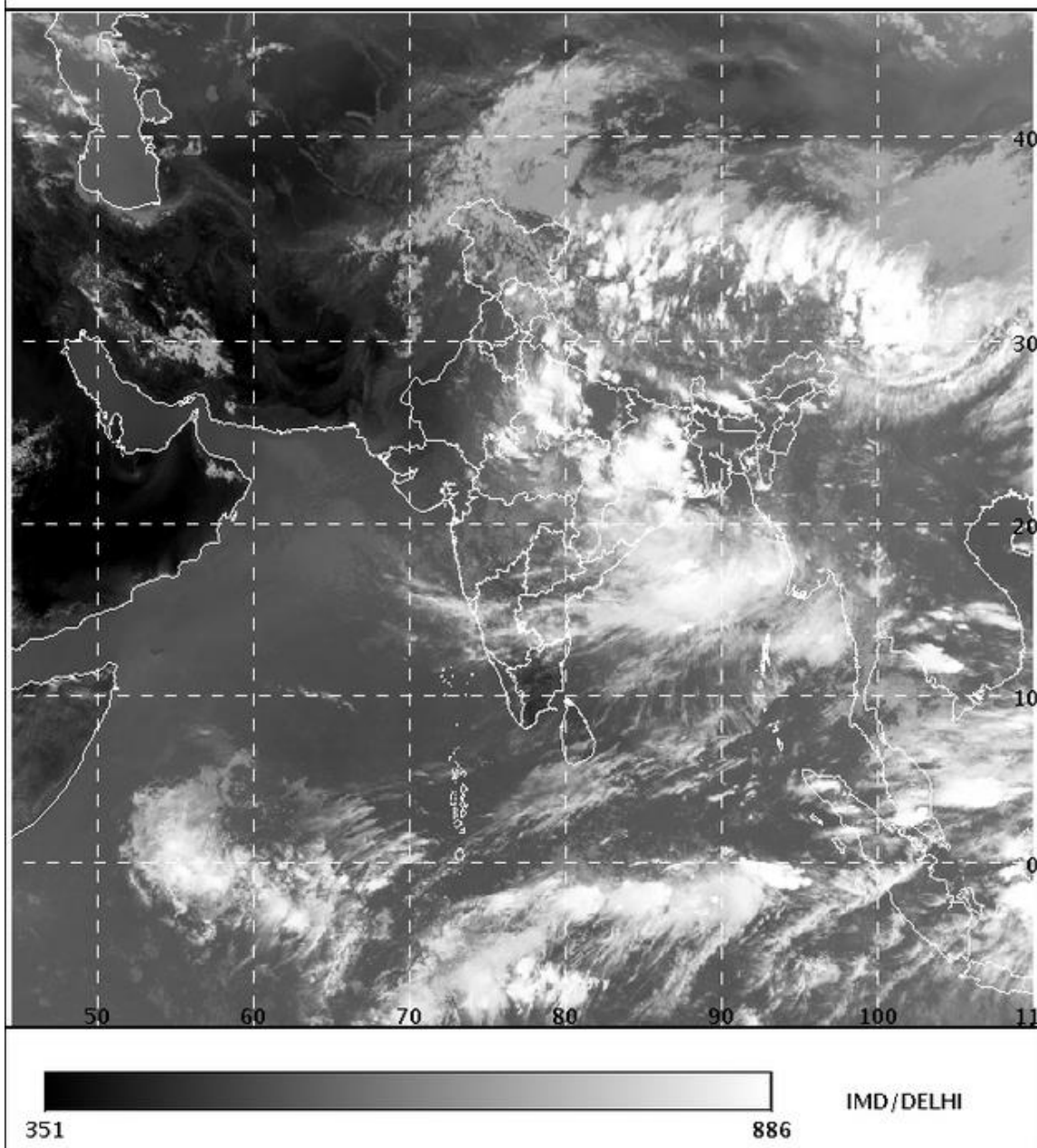


Figure: 1. Latest available satellite picture as on 05September 2018 at 1615Hrs (IST).
(Source: IMD).

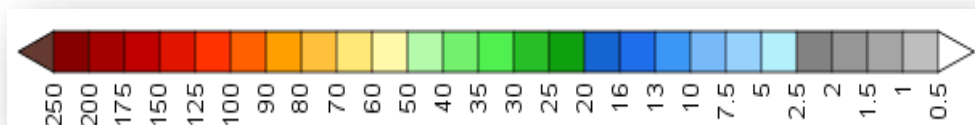
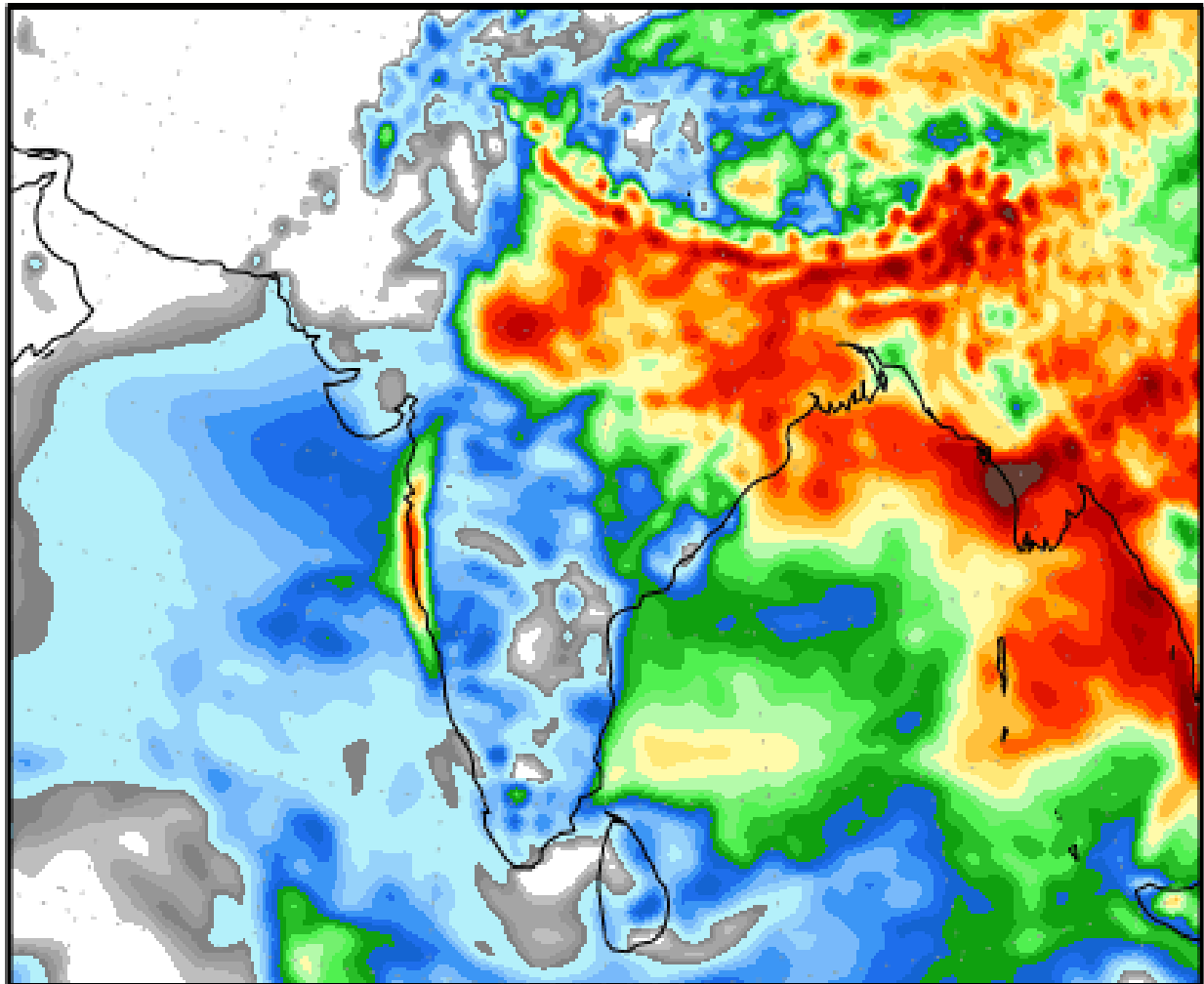


Figure:2. Precipitation forecast for 05 to 11 September 2018 (Source: NOAA NCEP).