

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

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

### **Daily Crop Weather Information as on 08 July 2019**

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

- Northern Limit of Monsoon (NLM) continues to pass through Lat. 25°N/Long. 60°E, Lat. 25°N/Long. 65°E, Barmer, Jodhpur, Sikar, Rohtak, Chandigarh, Una and Amritsar. Conditions are becoming favourable for further advance of southwest monsoon into remaining parts of Haryana, Punjab and some more parts of Rajasthan during next 24 hours.
- The low pressure area now lies over east Uttar Pradesh & adjoining Bihar. The associated cyclonic circulation extends upto 7.6 km above mean sea level.
- The seasonal trough across the northern plains is very likely to remain active during the coming 3 days, with gradual northward shift from today evening. As a consequence, widespread of rainfall with heavy to very heavy falls at isolated places are likely over Uttar Pradesh during 8th -12th July with isolated extremely heavy falls over east Uttar Pradesh on 9th & 10th July. Northeastern states are likely to experience enhanced rainfall when widespread of rainfall with isolated heavy to very heavy falls are likely over Assam & Meghalaya (isolated extremely heavy falls as well) Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura during 8th-12th July.
- Widespread of rainfall with isolated heavy to very heavy falls are also likely over Bihar (northern districts especially), Sub-Himalayan West Bengal & Sikkim, Uttarakhand and Himachal Pradesh during the same Period.
- Widespread of rainfall activity with isolated heavy to very heavy falls are likely over Konkan (isolated extremely heavy falls over North Konkan on 8th July) and Coastal Karnataka during next 2-3 days with reduction intensity thereafter.
- The images showing the latest satellite picture in figure. 1

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

- Rain/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hours of today): at most places over Uttarakhand, Uttar Pradesh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Assam & Meghalaya, Chhattisgarh, Arunachal Pradesh, Vidharbha, Telangana, Konkan & Goa, Coastal Karnataka and Kerala; at many places over Himachal Pradesh, Odisha, Madhya Pradesh, Coastal Andhra

Pradesh & Yanam and Madhya Maharashtra; at a few places over East Rajasthan, Marathawada and North Interior Karnataka and at isolated places over Jammu & Kashmir, Haryana, Chandigarh & Delhi, Gangetic West Bengal, West Rajasthan, Gujarat State, South Interior Karnataka, Tamil Nadu, Puducherry & Karaikal, Andaman & Nicobar Islands, Rayalaseema and Lakshadweep.

- Heavy to very heavy rainfall observed at isolated places over Sub-Himalayan West Bengal & Sikkim and Madhya Maharashtra; Heavy rainfall at isolated places over Uttarakhand, Bihar, Assam & Meghalaya, Gujarat Region and Konkan & Goa.
- Thunderstorm observed (from 1130 hours IST yesterday to 0830 hours IST of today): at isolated places over Himachal Pradesh, Jammu & Kashmir, Madhya Pradesh, Chhattisgarh, Uttar Pradesh, Kerala, Jharkhand, Assam & Meghalaya, Telangana, Saurashtra & Kutch, Sub-Himalayan West Bengal & Sikkim, Uttar Pradesh and Bihar.
- Maximum temperature departures as on 07-07-2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Coastal Andhra Pradesh and Tamil Nadu, Puducherry & Karaikal; above normal (1.6°C to 3.0°C) at most places over West Rajasthan, Coastal Karnataka, Rayalaseema, Kerala, Lakshadweep; at many places over Saurashtra & Kutch and Telangana; at a few places over Himachal Pradesh and Punjab; at isolated places over Jammu & Kashmir, Konkan & Goa and Andaman & Nicobar Islands. They were markedly below normal (-5.1°C or less) at isolated places over East Rajasthan and West Madhya Pradesh; appreciably below normal (-3.1°C to -5.0°C) at a few places over Bihar, East Madhya Pradesh, Vidarbha and Chhattisgarh; at isolated places over Odisha; below normal (-1.6°C to -3.0°C) at most places over East Rajasthan; at a few places over Gujarat region, Haryana, Chandigarh & Delhi, Madhya Maharashtra and Marathawada; at isolated places over Gangetic West Bengal and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 42.2°C is recorded at Bikaner and Ganganagar (West Rajasthan).
- Minimum temperature departures as on 08-07-2019: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at a isolated places over Jammu & Kashmir and Coastal Andhra Pradesh & Yanam; above normal (1.6°C to 3.0°C) at most places over Punjab; at many places over Uttarakhand, West Rajasthan, Saurashtra & Kutch and Andaman & Nicobar Islands; at a few places over Gujarat Region, North Interior Karnataka, Rayalaseema, Tamil Nadu, Puducherry & Karaikal, Odisha, Gangetic West Bengal and Coastal Karnataka and at isolated places over Konkan & Goa, Madhya Maharashtra, Assam & Meghalaya and Sub-Himalayan West Bengal & Sikkim. They are appreciably below normal (-3.1°C to -5.0°C) at isolated places over Madhya Pradesh; below normal (-1.6°C to -3.0°C) at a few places over Marathawada and at isolated places over Telangana and near normal over rest parts of the country.

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

- 08 July (Day 1): Heavy to very heavy rainfall with extremely heavy falls at isolated places very likely over Assam & Meghalaya and Konkan & Goa; Heavy rain at a few places with very heavy rainfall at isolated places over East Uttar Pradesh; Heavy to very heavy rainfall at isolated places over Coastal Karnataka, Madhya Maharashtra, Madhya Pradesh, Himachal Pradesh, Uttarakhand, West Uttar Pradesh, Bihar, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, and Nagaland, Manipur, Mizoram & Tripura; heavy rainfall at isolated places over Interior Karnataka, Jharkhand, Gujarat region, Haryana, Chandigarh & Delhi, and East Rajasthan. Thunderstorm accompanied with lightening at isolated places very likely over Jharkhand. Rough to very rough sea conditions (with wind speed reaching 40-50 kmph) are likely to prevail over southwest & adjoining central Arabian Sea, North and adjoining central bay of Bengal. Squally weather likely to prevail over Lakshadweep area and over east central Arabian sea off Karnataka coast.
- 09 July (Day 2): Heavy to very heavy rainfall at a few places with extremely heavy falls at isolated places very likely over East Uttar Pradesh; Heavy rainfall at a few places with very heavy rainfall at isolated places over West Uttar Pradesh; Heavy to very heavy rainfall at isolated places over Coastal Karnataka, Konkan & Goa, Himachal Pradesh, Uttarakhand, Bihar, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya; heavy rainfall at isolated places over South Interior Karnataka, Lakshadweep, Haryana, Chandigarh & Delhi, East Madhya Pradesh, Madhya Maharashtra, Punjab, East Rajasthan, Jharkhand, Odisha and Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with lightening at isolated places very likely over Jharkhand and Odisha. Rough to very rough sea conditions (with wind speed reaching 40-50 kmph) are likely to prevail over southwest & adjoining central Arabian Sea, North and adjoining central bay of Bengal. Squally weather likely to prevail over Lakshadweep area and over east central Arabian sea of Karnataka coast.
- 10 July (Day 3): Heavy to very heavy rainfall at a few places with extremely heavy falls at isolated places very likely over East Uttar Pradesh; Heavy to very heavy rainfall with extremely heavy falls at isolated places very likely over Assam & Meghalaya; Heavy rainfall at a few places with very heavy rainfall at isolated places over West Uttar Pradesh; Heavy to very heavy rainfall at isolated places over Konkan & Goa, Uttarakhand, Bihar, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura; heavy rainfall at isolated places over South Interior Karnataka, Coastal Karnataka and Himachal Pradesh. Rough to very rough sea conditions (with wind speed reaching 40-50 kmph) are likely to prevail over southwest & central adjoining Arabian Sea.
- 11 July (Day 4): Heavy to very heavy rainfall at isolated places over Himachal Pradesh, Uttarakhand, East Uttar Pradesh, Assam & Meghalaya, Bihar and

Nagaland, Manipur, Mizoram & Tripura; heavy rainfall at isolated places over Coastal Karnataka, Konkan & Goa, Jammu & Kashmir, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Bengal & Sikkim and Arunachal Pradesh. Thunderstorm accompanied with lightening at isolated places very likely over Odisha. Rough to very rough sea conditions (with wind speed reaching 40-50 kmph) are likely to prevail over Southwest & adjoining central Arabian Sea.

- 12 July (Day 5): Heavy to very heavy rainfall at isolated places likely over Uttarakhand, Himachal Pradesh, West Uttar Pradesh and Assam & Meghalaya and heavy rainfall at isolated places over Bihar, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Haryana, Chandigarh & Delhi, East Uttar Pradesh, Sub-Himalayan West Bengal & Sikkim and Konkan & Goa. Rough to very rough sea conditions (with wind speed reaching 40-50 kmph) are likely to prevail over southwest & adjoining central Arabian Sea.
- The weather outlook for the period of seven days *i.e.*, 08 to 16 July 2019 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) rain/thundershower may occur over Sub-Himalayan West Bengal & Sikkim, Bihar, Madhya Pradesh, Odisha, Konkan & Goa, Vidarbha, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh, Rayalaseema, North Interior Karnataka, Coastal & South Interior Karnataka, Kerala, Tamil Nadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

## Agricultural activities (AICRPAM-CRIDA)

### Uttar Pradesh

#### Weather condition:

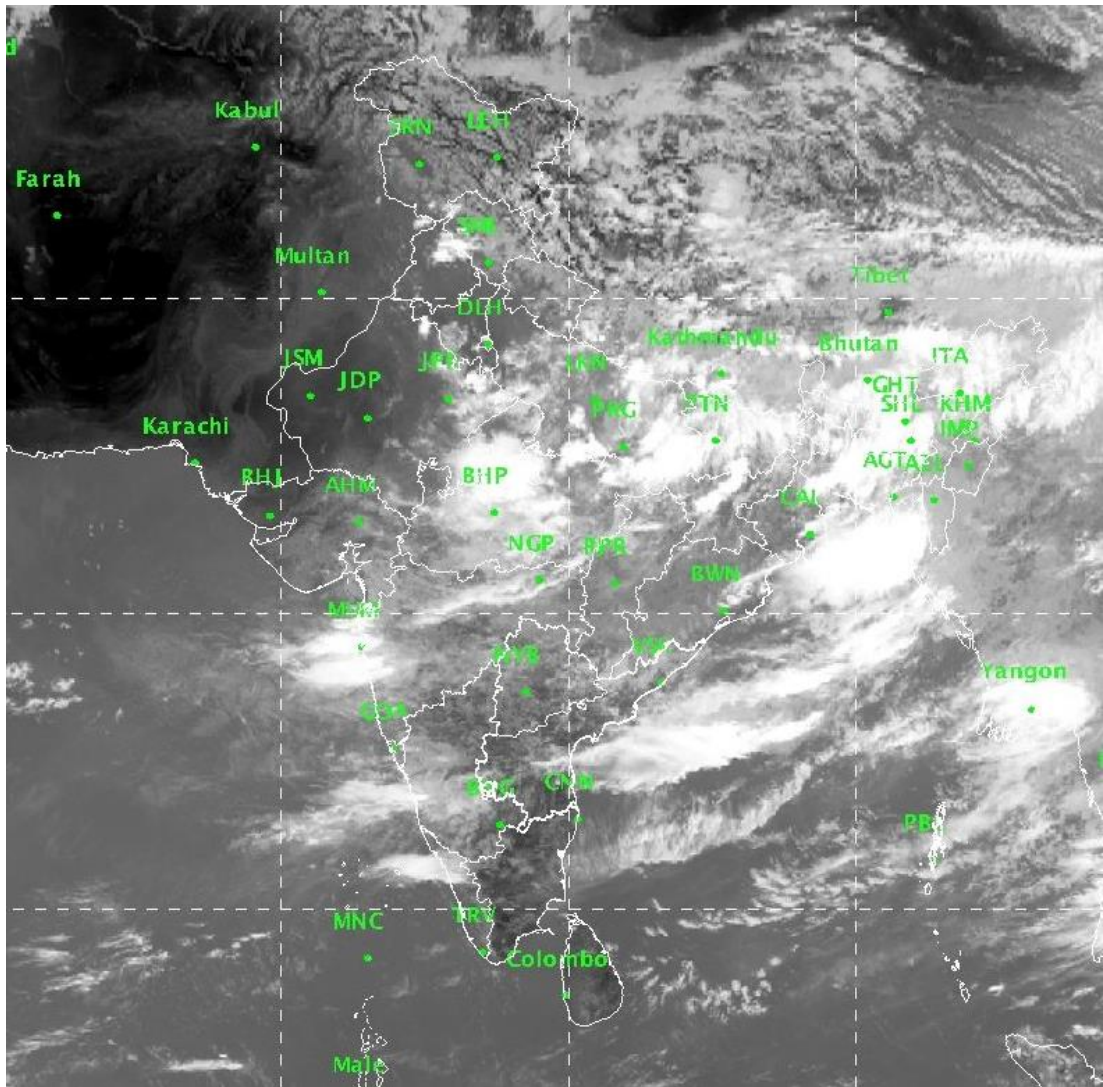
Moderate to heavy rainfall is received in Uttar Pradesh state during past few days. The maximum temperature was ranged between 29-38°C and minimum temperature was ranged between 25-30°C.

#### Contingency measure:

- Paddy: Medium to heavy rainfall may occur during this week therefore, farmers are advised that transplanting should be continuous by 10 to 15 cm height or 2-3 leaves available seedlings. Seedling should be treated with Tricoderma- viridy @ 4.0% water solution.

- Maize: Sowing of maize hybrid varieties such as Azad hybrid-1, Azad hybrid-2, DEKC-7074 Ganga-11, HQPM-5, Sartaj, MS maze-2 and Sankul varieties Prabhat, Azad uttam, Pragati, Gaurav, Pro-316 (4640) Bio-9681 and Y-1402K after treatment of seed through 2.5 g Thiram or 2.0g Corbendazim / kg seed.
- Sorghum: Sowing of sorghum: Treat it with 2.5g Thiram or 2.0g Agro-san G.N @ 3.0 g/kg of seed composite varieties like Varsha, CSV-13.,15, SPB -1388, Vijeta and Hybrid varieties are CSH-16, 9, 14, 18, 13 and CSH-23. To ensure good stand 12-15 kg seed/ha. The seed should be sown in rows 45cm apart a depth of 3-4 cm. The seed should be purchased from a reliable source.
- Thinning should be done in Pigeon pea.
- Pick the mature fruits on standing crops of brinjal/chillies.
- Cutting and marketing of leafy vegetables should be done.
- MP Chari / Mucchari / Pearl-millet: Cutting should be done at knee height. Sowing of SSG-988-898, PC-23, SSG-59 -3 and MP chari @ 30-40 kg seeds/ha. Light irrigation should be applied after 20 days of sowing. Sowing of Pearl-millet varieties such as Raj-171, L-72 and L-74 should be done.
- Animals: Balanced diet should be given for milch animals. Bathing should be taken up at morning and evening before milking. Drinking water should be given thrice a day. Vaccinate for Foot and Mouth disease and if needed consult the nearby Veterinarian.





**Figure: 1. Latest available satellite picture as on 08 July 2019 at 1300Hrs (IST).  
(Source: IMD).**

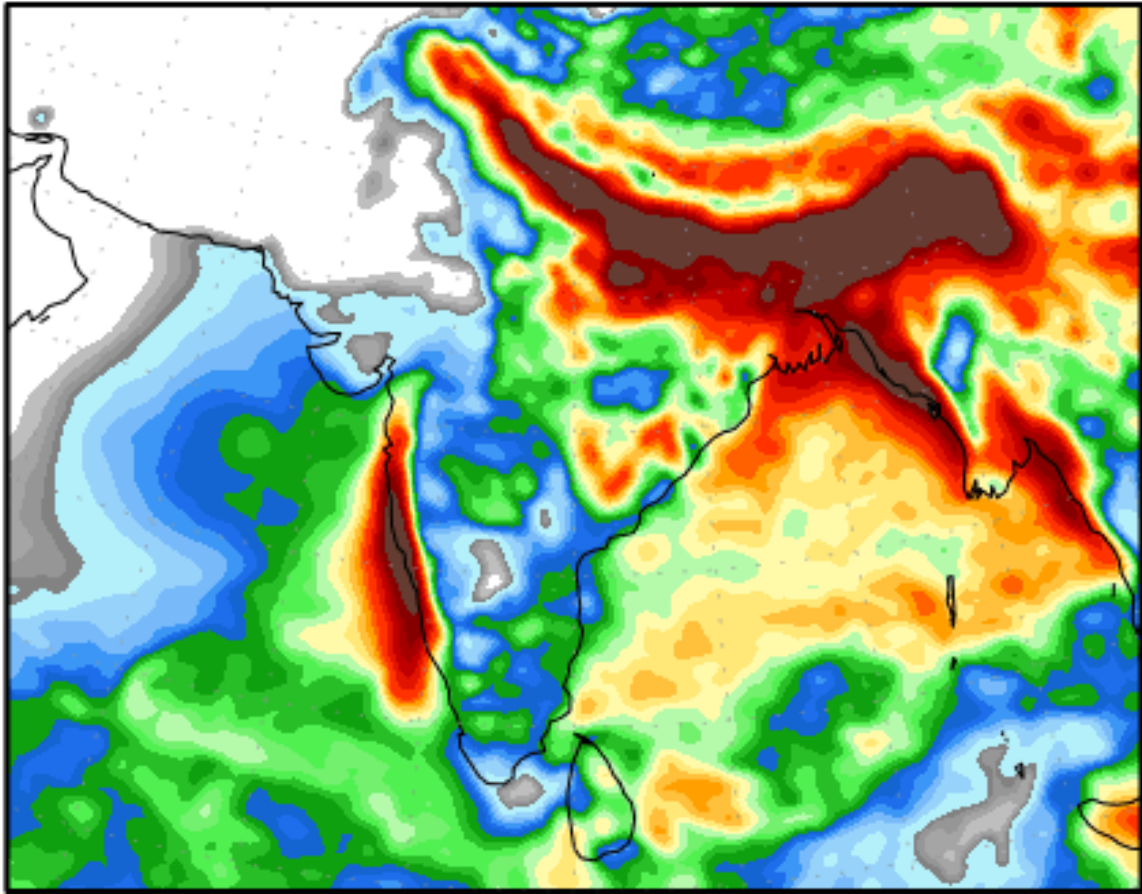


Figure:2. Precipitation forecast for 08 to 16 July 2019 (Source: NOAA NCEP).