

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

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

### **Daily Crop Weather Information as on 25 July 2018**

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

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

- The low pressure area over northwest Madhya Pradesh and adjoining south Uttar Pradesh now lies over central parts of south Uttar Pradesh & neighbourhood. Associated cyclonic circulation extends upto 5.8 km above mean sea level.
- The system is likely to remain quasistationary and thereby cause widespread rainfall with isolated heavy to very heavy falls over Uttar Pradesh, Uttarakhand, Himachal Pradesh, Haryana, Chandigarh & Delhi and East Rajasthan during next 2 days. It is also likely that the system may become more marked once again during the subsequent 48 hours. Fairly widespread to widespread rainfall with isolated heavy falls are likely over Jammu & Kashmir, Punjab and Madhya Pradesh during next 2-3 days.
- Enhancement in rainfall activity likely over northeastern states from 28th July.
- Very Heavy rainfall occurred at isolated places East Rajasthan and north Chhattisgarh; Heavy rainfall occurred at isolated places over Uttarakhand, West Uttar Pradesh, West Madhya Pradesh, Haryana, Assam & Meghalaya, Sub Himalayan West Bengal, Madhya Maharashtra, Tamilnadu, Coastal and South Interior Karnataka from 0830 hours IST of yesterday To 0830 hrs 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 Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Uttar Pradesh, Bihar, Sub Himalayan West Bengal & Sikkim, Assam & Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Jharkhand, East Rajasthan, West Madhya Pradesh, Gujarat region, Konkan & Goa, Coastal & South Interior Karnataka, Kerala; at many places over East Madhya Pradesh, Madhya Maharashtra, North Interior Karnataka and Lakshadweep; at a few places over Haryana, Chandigarh & Delhi, Chhattisgarh, Gangetic West Bengal, Vidarbha, Telangana and Andaman & Nicobar Islands; at isolated places over West Rajasthan, Saurashtra & Kutch, Marathwada, Rayalaseema, Coastal Andhra Pradesh, Odisha and Tamilnadu & Puducherry.

- Maximum temperature departures as on 24.07.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at Isolated places over Coastal Andhra Pradesh and Tamilnadu Puducherry; above normal (1.6°C to 3.0°C) at most places over Uttarakhand & Rayalaseema; at a few places over Haryana, Chandigarh & Delhi and West Uttar Pradesh; at isolated places over West Bengal & Sikkim, Assam & Meghalaya, Telangana and Kerala. They were appreciably below normal (3.1°C to 5.0°C) at a few places over Madhya Pradesh and Vidarbha; at isolated places over east Rajasthan, East Uttar Pradesh and Madhya Maharashtra; below normal (1.6°C to 3.0°C) at most places over Gujarat region; at a few places over West Rajasthan, Saurashtra & Kutch and Marathwada; at isolated places over Konkan & Goa and Odisha and near normal over rest of the country. The highest maximum temperature of 39.5°C recorded at Tiruttani (Tamilnadu & Puducherry) over plains of the country.
- Minimum temperature departures as on 25.07.2018: Minimum temperatures are above normal (1.6°C to 3.0°C) at a few places over Jammu & Kashmir, Uttarakhand, Gangetic West Bengal, Coastal Andhra Pradesh and Tamilnadu & Puducherry; at isolated places over Himachal Pradesh, Odisha, Assam & Meghalaya, Konkan & Goa and Andaman & Nicobar islands. They are below normal (1.6°C to 3.0°C) at isolated places over East Uttar Pradesh and Madhya Pradesh and near normal over rest of the country.

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

- 25 July (Day 1): Heavy rain at a few places with very heavy rain at isolated places very likely over Uttarakhand; Heavy to very heavy rain at isolated places over Uttar Pradesh, Haryana, Chandigarh & Delhi, East Rajasthan; heavy rain at isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub Himalayan West Bengal & Sikkim, Jharkhand, Punjab, Himachal Pradesh, Jammu & Kashmir, Madhya Pradesh, Konkan, north Chhattisgarh, Tamilnadu, Coastal & South Interior Karnataka and Kerala.
- 26 July (Day 2): Heavy to very heavy rain at isolated places very likely over Uttarakhand, Uttar Pradesh, and Haryana, Chandigarh & Delhi; heavy rain at isolated places over Himachal Pradesh, Jammu & Kashmir, Punjab, East Rajasthan, Madhya Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan, Tamilnadu, Coastal & South Interior Karnataka and Kerala.
- 27 July (Day 3): Heavy rain at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Uttar Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi; East Rajasthan, West Madhya Pradesh and Coastal & South Interior Karnataka.
- 28 July (Day 4): Heavy to very heavy rain at isolated places likely over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; heavy rain at isolated places over West Uttar Pradesh, Andaman & Nicobar Islands, Bihar, West Bengal & Sikkim and Coastal & South Interior Karnataka.
- 29 July (Day 5): Heavy to very heavy rain at isolated places likely over Arunachal Pradesh, Assam & Meghalaya; heavy rain at isolated places over Andaman & Nicobar Islands, Bihar,

West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Coastal & South Interior Karnataka and Kerala.

- The weather outlook for the period of seven days *i.e* 25 July to 01 August 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, Rajasthan, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Bihar, Madhya Pradesh, Chhattisgarh, Odisha, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Marathwada, Vidarbha, Coastal Karnataka, North Interior Karnataka, Telangana, Marathwada, Coastal Andhra Pradesh, Rayalaseema, Kerala, Tamilnadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North eastern States. (Fig. 2).

## **Agricultural activities (AICRPAM-CRIDA)**

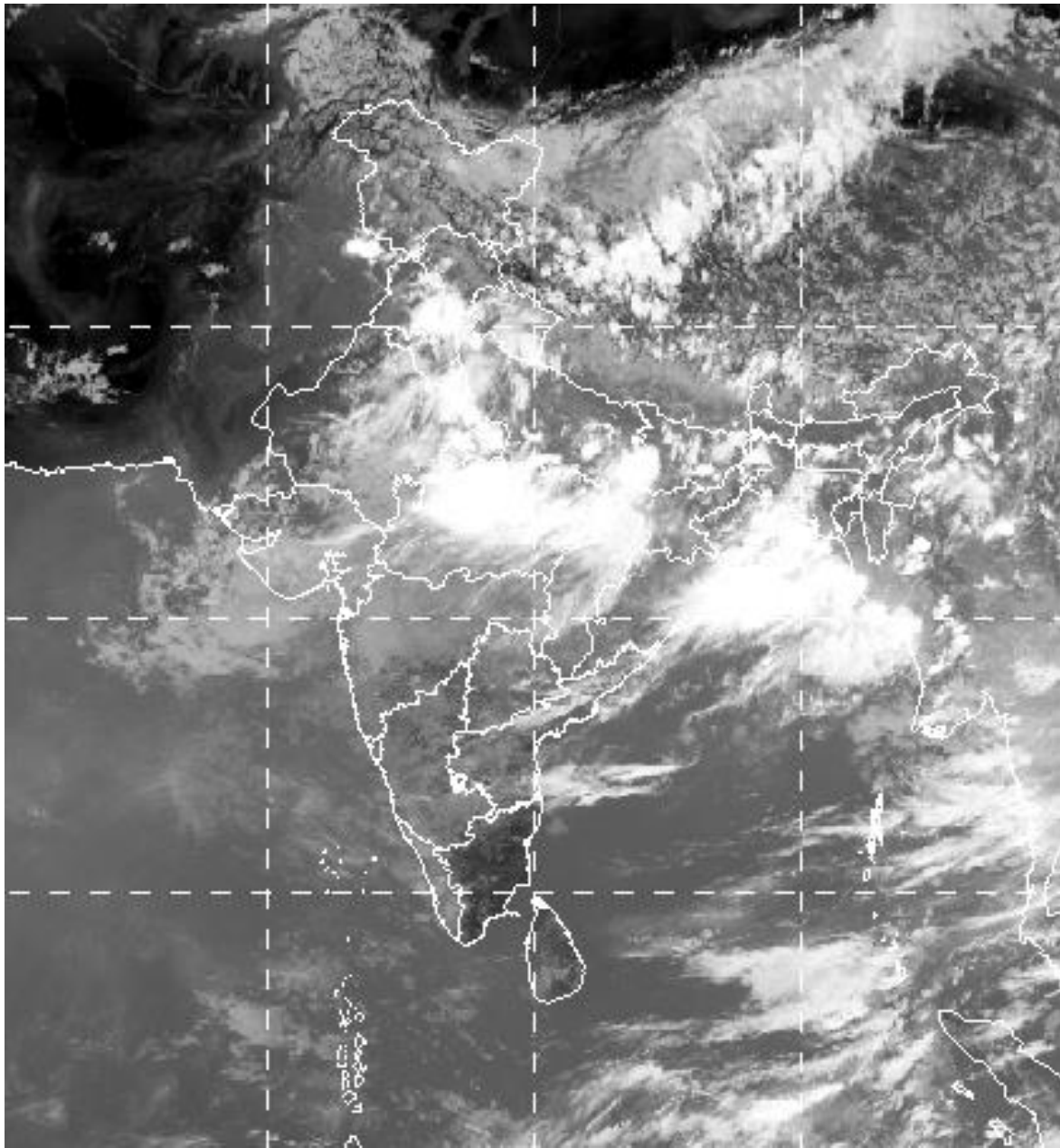
### **Vidarbha region of Maharashtra**

#### **Weather condition**

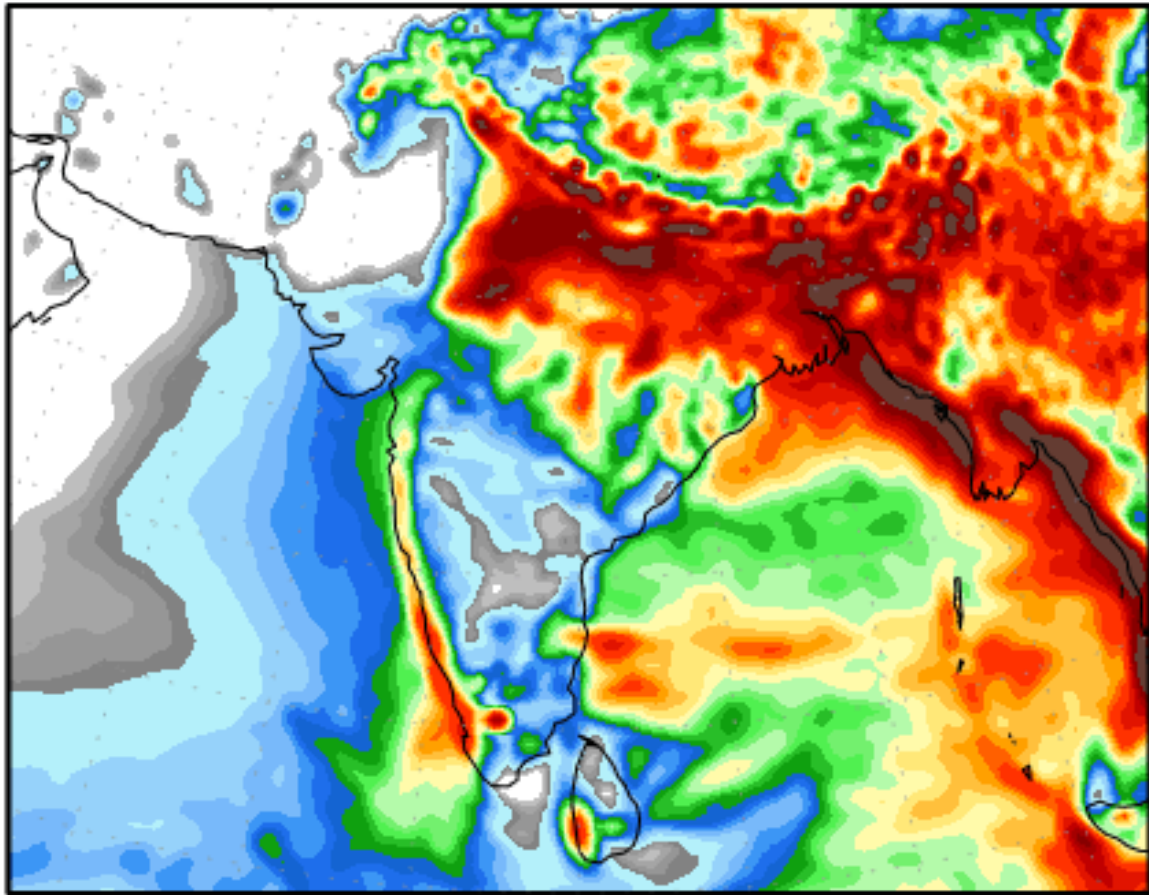
Light rainfall received over Vidarbha region of Maharashtra during past few days. Maximum temperature across the week was -2.9 °C below normal and the minimum temperature was 0.1 °C below normal temperature across the week.

#### **Contingency measure:**

- Undertake remaining sowing of kharif crops in unsown areas upon receipt of sufficient rainfall. Due to receipt of good rains in last week awaited areas should proceed for remaining sowing without delay. Undertake intercultural operations (weeding/hoeing) in early sown crops for timely control of weeds.
- Drain out excess water from waterlogged crop fields and orchards. Under delayed sowing condition prefer recommended early varieties of Deshi and American cotton with slightly higher (20% more) seed rate. Seed treatment with Azotobactor and PSB @25 gm per kg of seed is advisable.
- Intercropping system includes soybean+ pigeon pea (4:2) or in soybean after 6 or 9 rows one row of pigeonpea may be sown. Continue transplanting of 20 to 25 days old rice seedlings in Eastern Vidarbha.
- Farm livestock be provided with green forage/sufficient clean water, screening of farm livestock, draught/milch animals for diseases be considered and they be dewormed and vaccinated..



**Figure: 1. Latest available satellite picture as on 25 July 2018 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 25 5 July to 01 August 2018 (Source: NOAA NCEP).**