

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

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

### **Daily Crop Weather Information as on 26 July 2018**

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

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

- The low pressure area over central parts of south Uttar Pradesh & neighbourhood persists. This 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 Northwest Madhya Pradesh during next 2 days. Extremely heavy rainfall is also likely at isolated places over West Uttar Pradesh during this period. It is likely that the system may become more marked once again during the next 48 hours. Fairly widespread to widespread rainfall with isolated heavy falls are likely over Punjab, East Rajasthan and Madhya Pradesh during next 2 days.
- A fresh low pressure area is likely to form over eastern parts of West Bengal & neighbourhood during next 2-3 days.
- Enhancement in rainfall activity likely over northeastern states from 28th July.
- Heavy to very heavy with extremely heavy rainfall occurred at isolated places over West Uttar Pradesh; Very heavy rainfall occurred at isolated places over Uttarakhand and heavy at Jammu & Kashmir, Himachal Pradesh, Haryana, East Uttar Pradesh, East Madhya Pradesh, Kerala, Gangetic West Bengal, Jharkhand, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur Mizoram & Tripura from 0830 hrs 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 Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, Bihar, Jharkhand, West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Madhya Pradesh, Chhattisgarh, Konkan & Goa, Coastal & South Interior Karnataka, Kerala and Lakshadweep; at many places over East Rajasthan, Arunachal Pradesh, Odisha, Vidarbha and Madhya Maharashtra; at a few places over Marathwada, Gujarat, North interior Karnataka, Telangana, Tamilnadu & Puducherry and Andaman & Nicobar Islands and at isolated places over West Rajasthan and Coastal Andhra Pradesh.

- Maximum temperature departures as on 25.07.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at Isolated places over south Interior Karnataka; above normal (1.6°C to 3.0°C) at a few places over Coastal Andhra Pradesh & Tamilnadu & Puducherry; at a few places over Jammu & Kashmir, Himachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Interior Karnataka, Rayalaseema and Kerala ; at isolated places over West Uttar Pradesh and Gangetic West Bengal . They were appreciably below normal (3.1°C to 5.0°C) at many places over Madhya Pradesh; at a few places over West Uttar Pradesh, Chhattisgarh and Vidarbha; at isolated places over East Rajasthan, East Uttar Pradesh and Bihar; below normal (1.6°C to 3.0°C) at a few places over Gujarat and Marathwada; at isolated places over Madhya Maharashtra and near normal over rest of the country. Yesterday, the highest maximum temperature of 39.5°C was recorded at Ganganagar (West Rajasthan) over plains of the country.
- Minimum temperature departures as on 26.07.2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at Isolated places over Telangana and Tamilnadu & Puducherry; above normal (1.6°C to 3.0°C) at many places over Coastal Andhra Pradesh and Andaman & Nicobar Islands; at a few places over Jammu & Kashmir, Himachal Pradesh, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Bihar, East Rajasthan, Telangana and Rayalaseema; at isolated places over Nagaland, Manipur, Mizoram & Tripura, Gangetic west Bengal, West Rajasthan, Odisha, Saurashtra & Kutch and Konkan & Goa. They are appreciably below normal (3.1°C to 5.0°C) at Isolated places over East Uttar Pradesh and Madhya Pradesh and below normal (1.6°C to 3.0°C) at isolated places over rest of Tamilnadu & Puducherry and near normal over rest of the country.

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

- 26 July (Day 1): Heavy to very heavy rain with extremely heavy falls at isolated places very likely over West Uttar Pradesh; heavy rain at a few places with very heavy falls at isolated places very likely over Uttarakhand & Himachal Pradesh; heavy to very heavy rain at isolated places very likely over West Madhya Pradesh and Haryana, Chandigarh & Delhi and heavy rain at isolated places over Jammu & Kashmir, Punjab, East Uttar Pradesh, East Rajasthan, East Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand, West Bengal, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Kerala.
- 27 July (Day 2): Heavy to very heavy rain with extremely heavy falls at isolated places very likely over West Uttar Pradesh, heavy rain at a few places with very heavy falls at isolated places very likely over Uttarakhand & Himachal Pradesh; heavy to very heavy rain at isolated places very likely over West Madhya Pradesh and heavy rain at isolated places over Punjab, Haryana, Chandigarh & Delhi, East Rajasthan, Jharkhand, West Bengal, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 28 July (Day 3): Heavy to very heavy rain with extremely heavy falls at isolated places very likely over Assam & Meghalaya; heavy to very heavy rain at isolated places very likely over Uttarakhand and Nagaland, Manipur, Mizoram & Tripura and heavy rain at isolated places over Himachal Pradesh, Haryana, Chandigarh & Delhi, East Uttar Pradesh, West Madhya Pradesh, Bihar, West Bengal and Arunachal Pradesh.

- 29 July (Day 4): Heavy to very heavy rain at isolated places likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura and heavy rain at isolated places over Bihar, Sub Himalayan West Bengal, Andaman & Nicobar Islands and Arunachal Pradesh.
- 30 July (Day 5): Heavy to very heavy rain at isolated places likely over Assam & Meghalaya and heavy rain at isolated places over Uttarakhand, East Uttar Pradesh, East Madhya Pradesh, Sub Himalayan West Bengal, Andaman & Nicobar Islands, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Coastal & South Interior Karnataka and Kerala.
- The weather outlook for the period of seven days *i.e* 26 July to 02 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, Rajasthan, Uttar Pradesh, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Madhya Pradesh, Chhattisgarh, Gujarat, Konkan & Goa, Madhya Maharashtra, Marathwada, Vidarbha, North interior Karnataka, South Interior Karnataka, Telangana, Marathwada, Coastal Andhra Pradesh, Rayalaseema, Kerala, Tamilnadu & Puducherry, Andaman & Nicobar Islands and North eastern States. (Fig. 2).

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

### **Punjab**

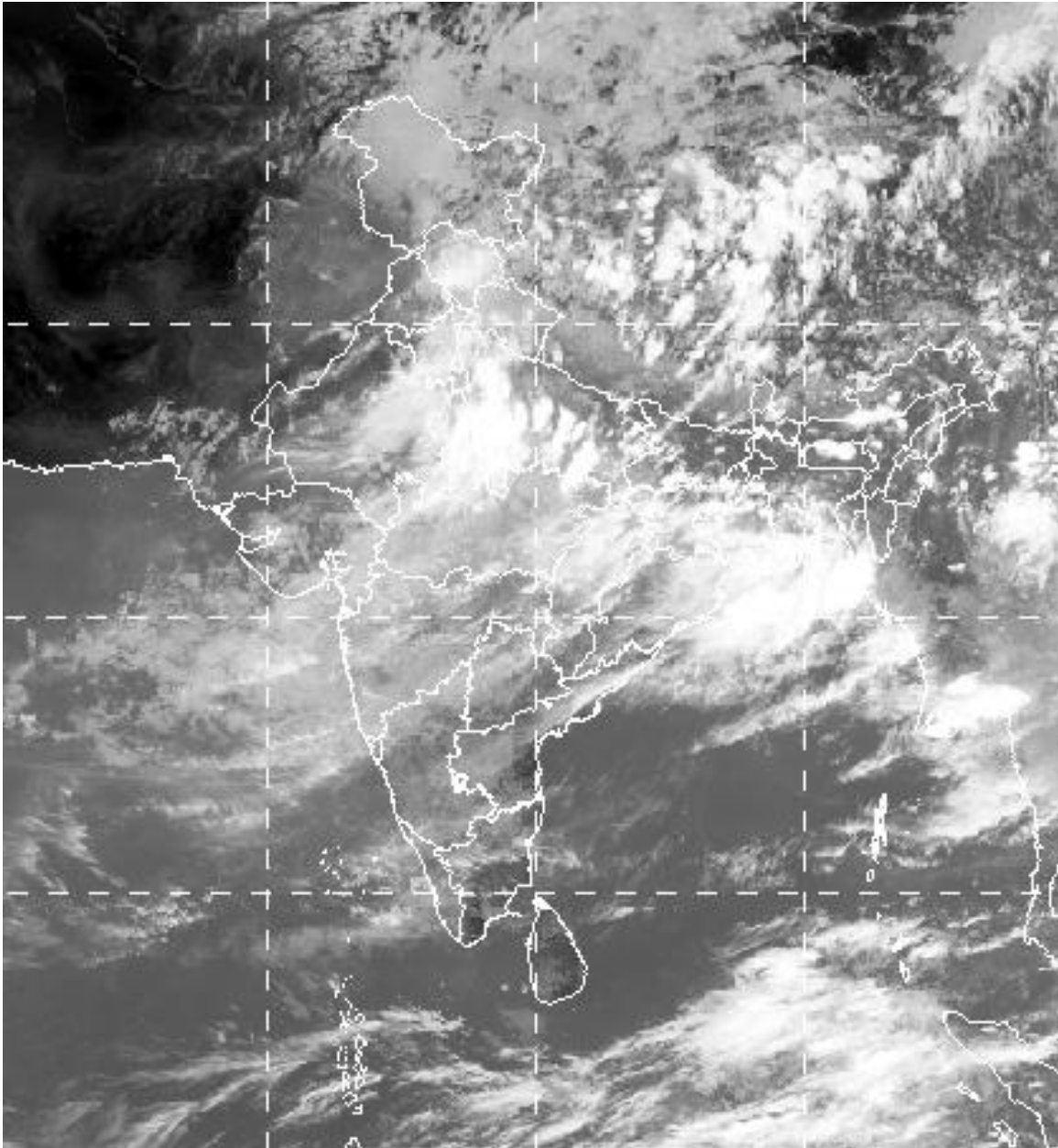
#### **Weather condition**

Light rainfall received over Punjab state during past few days.. The maximum temperature ranged between 31.0 to 35.6°C and minimum temperature ranged between 22.6 to 27.8°C.

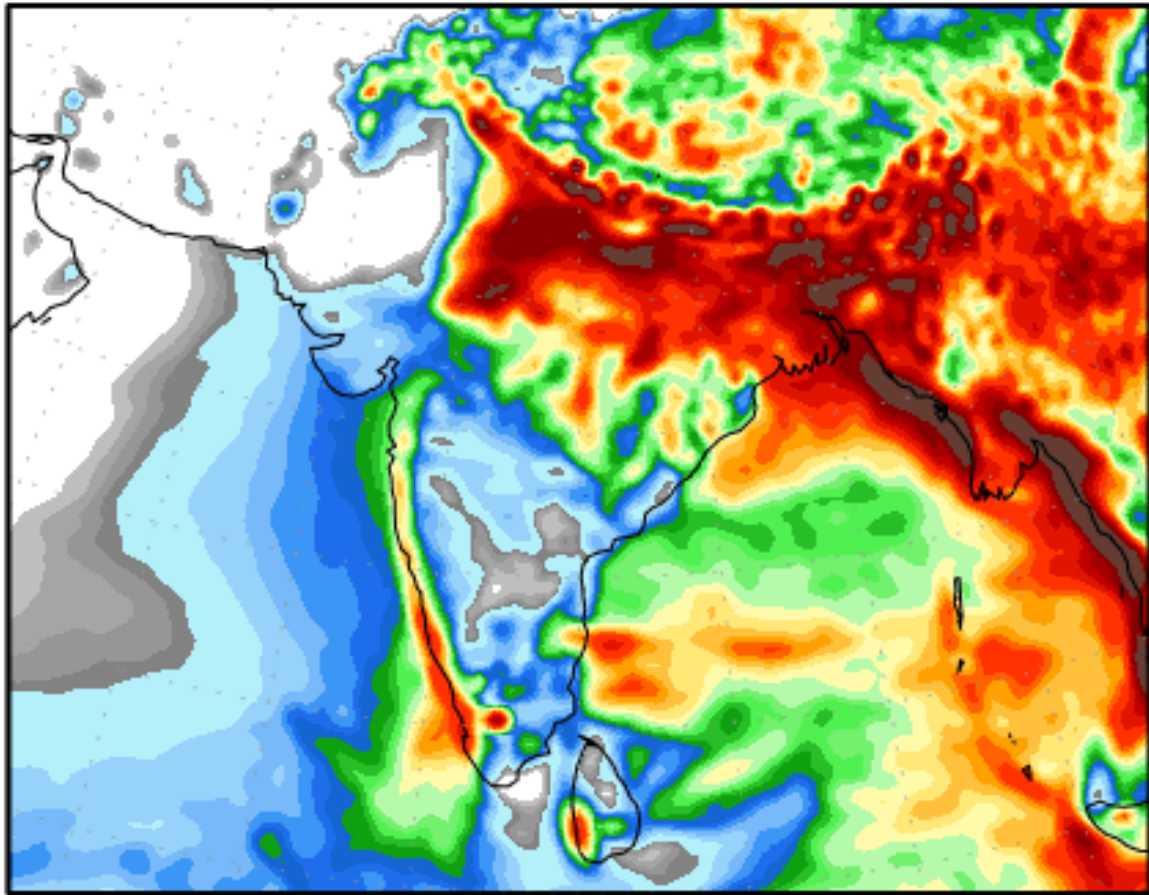
#### **Contingency measure:**

- Complete the transplanting of paddy and Punjab Basmati 5, 4, 3 & 2 and Pusa Basmati 1121 during the period but before transplanting, treat the nursery.
- Drain out excess rain water from cotton field. If there is Parawilt attack due to heavy rain, spray 1 gram cobalt chloride in 100 litres of water within 24 hours of attack.
- To save the sugarcane crop from black bug, spray the crop with 350 ml of Dursban/ Lethal/ Massban/Goldban 20 EC (Chloropyrifos) in 400 litres of water per acre.
- To check the attack of maize borer, uproot the borer damaged plants and bury them at the time of thinning. It can, however, be sprayed with Sevin at 100 g in 60 litres of water/acre against the maize borer attack.
- Vegetables & Fruits: It is optimum time to sow okra, bottle gourd, sponge gourd, bitter gourd, ash gourd and cowpea-263. Prevailing weather is favourable for development and spread of fruit rot of chilli.

- Farmers are advised to give 3-4 sprays of Indomil M-45 or Blitox 50 WP @ 750 g/acre at 10 days interval during clear weather. ? Brinjal fruit and shoot borer attack can be checked by spraying 800 ml Quinalphos or 500 ml Triazophos or 100 Fenvalerate or 200 ml Cypermethrin or 160 ml Deltamethrin in 100-125 ml of water per acre.
- It is the right time for the planting of evergreen fruit plants such as citrus, litchi, mango, guava, loquat, ber, amla and papaya. Fix fruit fly traps (16 traps per acre) in pear orchards if not fixed earlier or may be repeated if needed.



**Figure: 1. Latest available satellite picture as on 26 July 2018 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 26 July to 02 August 2018 (Source: NOAA NCEP).**