

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

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

### **Daily Crop Weather Information as on 24 July 2018**

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

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

- The well marked low pressure area over northwest Madhya Pradesh and adjoining south Uttar Pradesh now lies as a low pressure area over the same region. The associated cyclonic circulation extends upto 5.8 km above mean sea level.
- The system is likely to move west northwestwards gradually and thereby cause widespread rainfall with isolated heavy to very heavy falls over western parts of Madhya Pradesh, East Rajasthan and Gujarat region during next 2-3 days. It is also likely that the system may become more marked once again during next 48 hours and cause widespread rainfall with heavy to very heavy rainfall over Haryana, Chandigarh & Delhi, Punjab, Himachal Pradesh and Uttarakhand on 25th and 26th July.
- Likely northward shift in the eastern end of the monsoon trough would cause enhanced rainfall over northeastern states during next 5 days.
- Heavy to very heavy rainfall occurred at isolated places over Tripura, East Rajasthan & Coastal Karnataka and heavy rainfall occurred at isolated places over Himachal Pradesh, Punjab, Assam & Meghalaya, Arunachal Pradesh, north Konkan, South Interior Karnataka and Kerala from 0830 hrs 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, East Rajasthan, Madhya Pradesh, Gujarat Region, Konkan & Goa, Madhya Maharashtra, Vidarbha, Coastal Karnataka, Kerala, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and Sub Himalayan West Bengal & Sikkim; at many places over Punjab, Interior Karnataka, Bihar, Telangana, Gangetic West Bengal and Assam & Meghalaya; at a few places over Haryana, Chandigarh & Delhi, Uttar Pradesh, Marathwada, Chhattisgarh, Odisha, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Saurashtra & Kutch and Andaman & Nicobar Islands and at isolated places over Rayalaseema and Lakshadweep.
- Maximum temperature departures as on 23.07.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at Isolated places over Tamilnadu & Puducherry

& Coastal Andhra Pradesh; above normal (1.6°C to 3.0°C) at many places over Himachal Pradesh; at a few places over West Bengal & Sikkim and Kerala. They were markedly below normal (5.1°C or less) at isolated places over West Madhya Pradesh and Vidarbha; appreciably below normal (3.1°C to 5.0°C) at a few places over East Madhya Pradesh and Marathwada; below normal (1.6°C to 3.0°C) at most places over East Rajasthan, Gujarat Region and Jharkhand; at many places over West Rajasthan, Chhattisgarh and Madhya Maharashtra; at a few places over Saurashtra & Kutch, Konkan & Goa and Odisha and at isolated places over Jammu & Kashmir, Haryana, Chandigarh & Delhi, Assam & Meghalaya and Telangana and near normal over rest of the country.

- Yesterday, the highest maximum temperature of 39.1°C was recorded at Madurai (Tamilnadu & Puducherry) over plains of the country.
- Minimum temperature departures as on 24.07.2018: Minimum temperatures are above normal (1.6°C to 3.0°C) at most places over Jammu & Kashmir; at many places over Uttarakhand and Andaman & Nicobar Islands and at a few places over Himachal Pradesh, Punjab, Assam & Meghalaya, Coastal Andhra Pradesh and Tamilnadu & Puducherry. They are below normal (1.6°C to 3.0°C) at many places over West Madhya Pradesh and at a few places over East Madhya Pradesh and Chhattisgarh and near normal over rest of the country..

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

- 24 July (Day 1): Heavy to very heavy rain at isolated places very likely over Himachal Pradesh, East Rajasthan, West Madhya Pradesh, Nagaland, Manipur, Mizoram & Tripura and Gujarat Region; heavy rain at isolated places over Punjab, Uttar Pradesh, East Madhya Pradesh, Bihar, West Bengal, Assam & Meghalaya, Madhya Maharashtra, Konkan & Goa, Coastal & South Interior Karnataka and Kerala.
- 25 July (Day 2): Heavy to very heavy rain at isolated places very likely over Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, East Rajasthan, West Madhya Pradesh, Nagaland, Manipur, Mizoram & Tripura and Gujarat Region; heavy rain at isolated places over Uttarakhand, West Uttar Pradesh, West Rajasthan, Bihar, West Bengal and Assam & Meghalaya.
- 26 July (Day 3): Heavy to very heavy rain at isolated places very likely over Uttarakhand, Punjab, East Rajasthan, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; heavy rain at isolated places over Himachal Pradesh, Haryana, Chandigarh & Delhi, West Uttar Pradesh, West Rajasthan, West Madhya Pradesh, Bihar and Arunachal Pradesh.
- 27 July (Day 4): Heavy to very heavy rain at isolated places likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; heavy rain at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, East Rajasthan and Arunachal Pradesh.
- 28 July (Day 5): Heavy to very heavy rain at isolated places likely over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura; heavy rain at isolated places over Gangetic West Bengal and Arunachal Pradesh.

- The weather outlook for the period of seven days *i.e* 24 to 31 July 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, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Bihar, Madhya Pradesh, Chhattisgarh, Odisha, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Vidarbha, Coastal Karnataka, 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)**

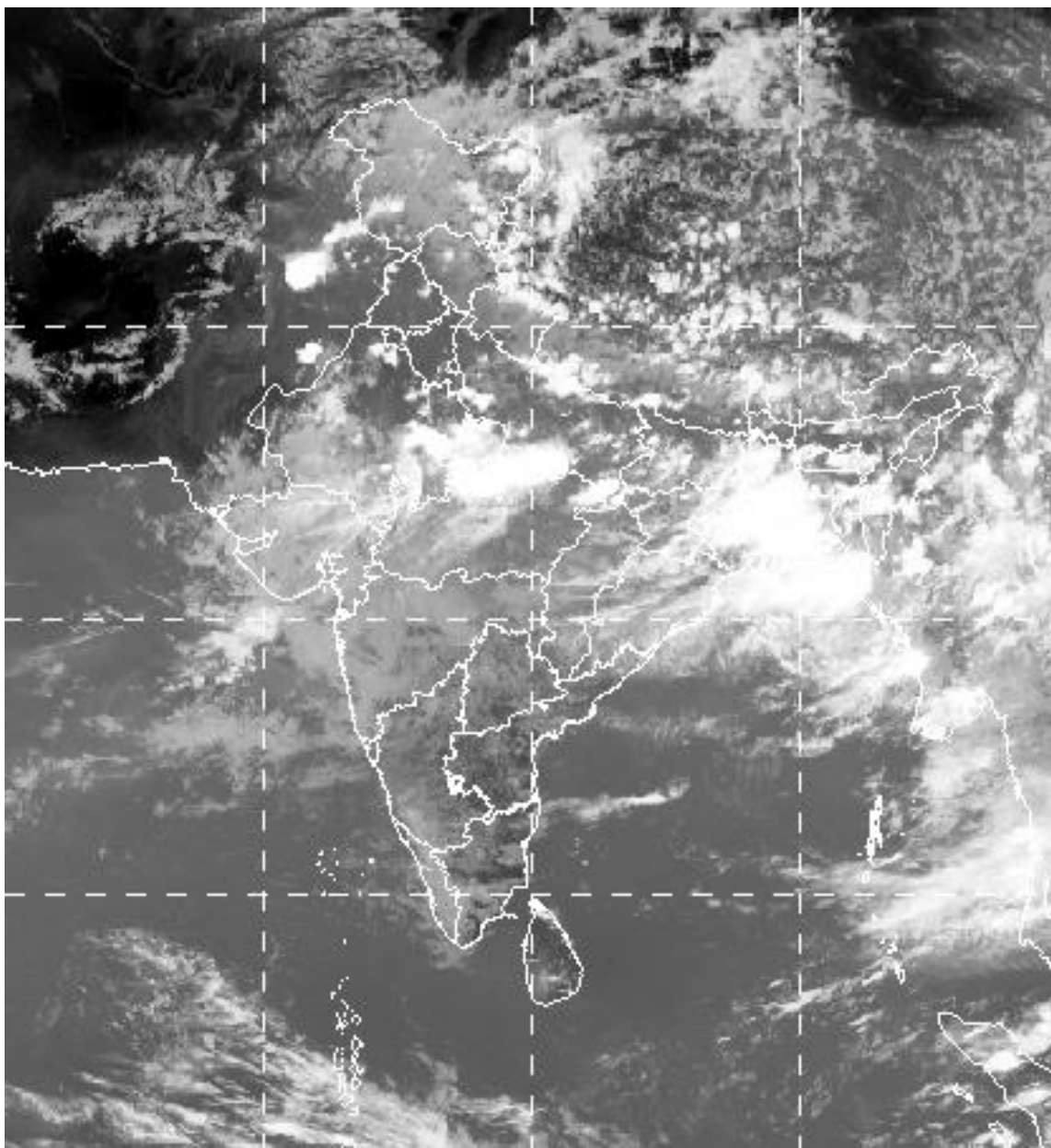
### **Kerala**

#### **Weather condition**

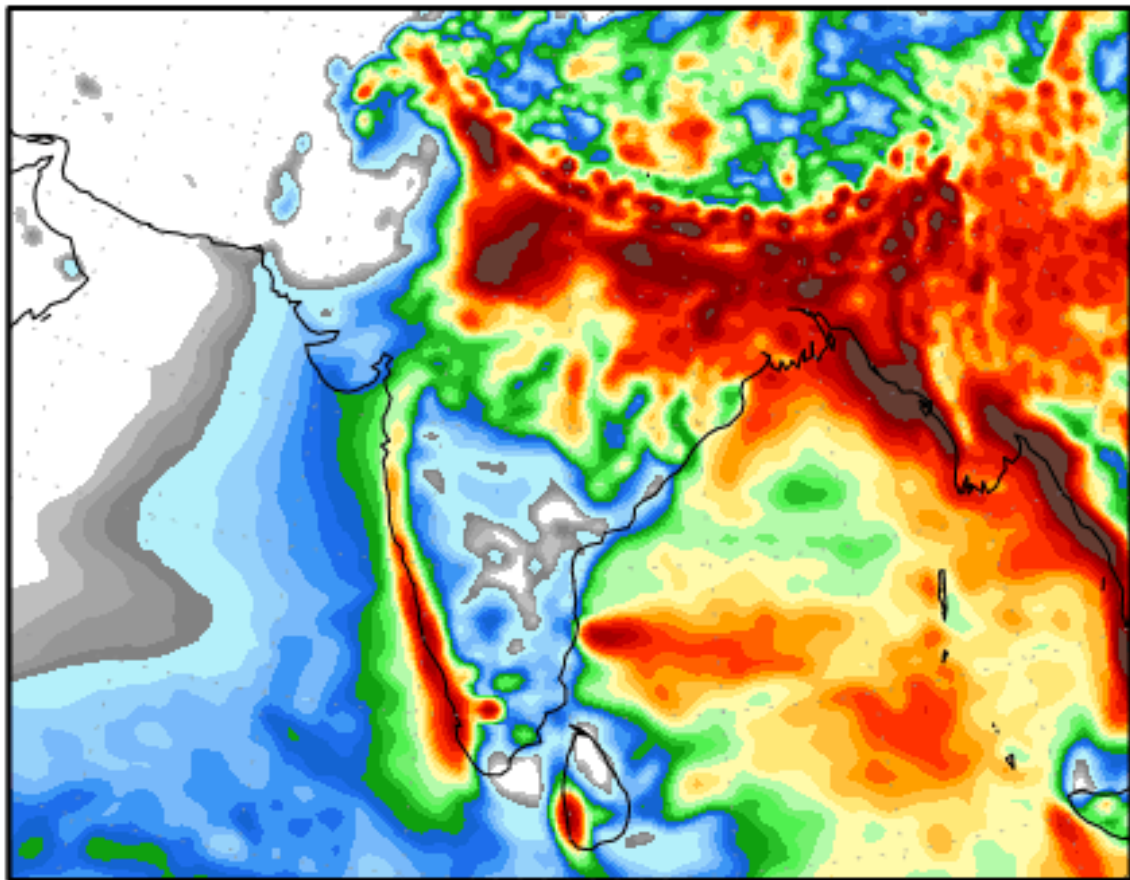
Light rainfall received in Kerala state during the past few days. The maximum temperature ranges from 26.7 to 30.0 °C and minimum temperature ranges from 20.4 to 23.4°C.

#### **Contingency measure:**

- Coconut: Bud rot-Bud rot disease is seen in coconut palm due to continuous rainfall. Small perforated sachets containing 2 g of mancozeb may be tied to the top of leaf axil. When it rains, a small quantity of the fungicide is released from the sachets to the leaf base thus protecting the palm.
- Banana: Bunch emergence stage-Sigatoka disease-Due to the pre monsoon showers, there is a chance of Sigatoka disease in banana. As a precaution, Spray Pseudomonas 20g/litre. In case of severe attack spray 1 gm Bavistin by mixing it with gum in 1 litre of water on lower surface of leaf.
- Vegetables (cowpea): Flowering/Fruiting stage-Downy mildew-There is a chance of downy mildew attack in vegetables due to the south west monsoon. Application of 0.2% curzate M-8 or 0.1% Equaton pro or Trichoderma 20g/litre under the leaves in 15 days interval is effective.



**Figure: 1. Latest available satellite picture as on 24 July 2018 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 24 to 31 July 2018 (Source: NOAA NCEP).**