

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

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

### **Daily Crop Weather Information as on 12 September 2018**

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

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

- The monsoon trough runs close to foothills of Himalayas and it is likely to remain so during next 2-3 days. The eastern end is likely to shift southwards from 15th September.
- The northsouth trough which caused moisture incursion and enhanced rainfall over east & northeast India has also weakened now. However, the northeastern states are likely to experience fairly widespread to widespread rainfall with isolated heavy falls for 2 more days, due to downstream convergence of westerly winds.
- Subdued rainfall activity is likely over the rest of the country, outside (i) southeast peninsular India where scattered to fairly widespread rain/thundershowers are likely during next 2 days and (ii) Western Himalayan region where enhanced precipitation is very likely in association with a Western Disturbance during 13th to 15th September.
- Heavy to very heavy rainfall occurred at isolated places over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim and heavy at isolated places over Arunachal Pradesh, Uttarakhand, Himachal Pradesh, East Rajasthan, Telangana, Rayalaseema and South Interior Karnataka 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 Arunachal Pradesh and Assam & Meghalaya; at many places over Nagaland, Manipur, Mizoram & Tripura, Uttarakhand, South Interior Karnataka & Rayalaseema; at a few places over Telangana, Jammu & Kashmir, Odisha, Andaman & Nicobar Islands and Himachal Pradesh and at isolated places over Haryana, Chandigarh & Delhi, East Rajasthan, Uttar Pradesh, Bihar, Saurashtra & Kutch, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Punjab, West Rajasthan, Madhya Pradesh, Konkan & Goa and North Interior Karnataka.
- Maximum temperature departures as on 11.09.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over North & South Interior Karnataka, Kerala and Tamilnadu & Puducherry; at isolated places over Himachal Pradesh, Telangana and

- Coastal Karnataka; above normal (1.6°C to 3.0°C) at most places over Coastal Andhra Pradesh; at many places over Uttarakhand, Madhya Maharashtra and Andaman & Nicobar Islands; at a few places over Jammu & Kashmir, Gangetic West Bengal, Bihar, Odisha and Vidarbha; at isolated places over West Uttar Pradesh, Nagaland, Manipur, Mizoram & Tripura, West Madhya Pradesh and Lakshadweep. They were appreciably below normal (3.1°C to 5.0°C) at many places over Assam & Meghalaya; at a few places over Sub Himalayan West Bengal & Sikkim & below normal (1.6°C to 3.0°C) at a few places over East Rajasthan & at isolated places over Gujarat and near normal over rest of the country.
- Yesterday, the highest maximum temperature of 40.3°C was recorded at Ganganagar (West Rajasthan) over the plains of the country.
- Minimum temperature departures as on 12.09.2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places over West Rajasthan; above normal (1.6°C to 3.0°C) at many places over Punjab; at a few places over Jammu & Kashmir, Bihar, Gangetic West Bengal, Telangana, Coastal Andhra Pradesh and Tamilnadu & Puducherry; at isolated places over Haryana, Chandigarh & Delhi, Sub Himalayan West Bengal & Sikkim, East Madhya Pradesh and Vidarbha. They are below normal (1.6°C to 3.0°C) at a few places over Arunachal Pradesh, East Uttar Pradesh, Assam & Meghalaya, East Rajasthan and Gujarat region; at isolated places over Himachal Pradesh, West Uttar Pradesh, Saurashtra & Kutch, Konkan & Goa, Interior Karnataka and Madhya Maharashtra and near normal over rest of the country.

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

- 12 September (Day 1): Heavy to very heavy rain at isolated places very likely over Assam & Meghalaya and heavy rain at isolated places over Sub Himalayan West Bengal & Sikkim, Arunachal Pradesh, Coastal Andhra Pradesh, South Interior Karnataka, Tamilnadu & Puducherry and Rayalaseema. Thunderstorm accompanied with lightning very likely at isolated places over Telangana, Rayalaseema, Coastal Andhra Pradesh and South Interior Karnataka.
- 13 September (Day 2): Heavy rain at isolated places very likely over Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim and Arunachal Pradesh.
- 14 September (Day 3): Heavy rain at isolated places very likely over Jammu & Kashmir, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Odisha and Tamilnadu & Puducherry.
- 15 September (Day 4): Heavy rain at isolated places likely over Andaman & Nicobar Islands, Odisha and Tamilnadu & Puducherry.
- 16 September (Day 5): Heavy rain at isolated places likely over Andaman & Nicobar Islands, Odisha, Mizoram and Tamilnadu & Puducherry.
- The weather outlook for the period of seven days i.e 12 to 18 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, Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Rajasthan, Uttar Pradesh, Bihar, Madhya Pradesh, Odisha, Saurashtra & Kutch, Konkan & Goa, South Interior Karnataka, North Interior Karnataka, Rayalaseema, Telangana, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

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

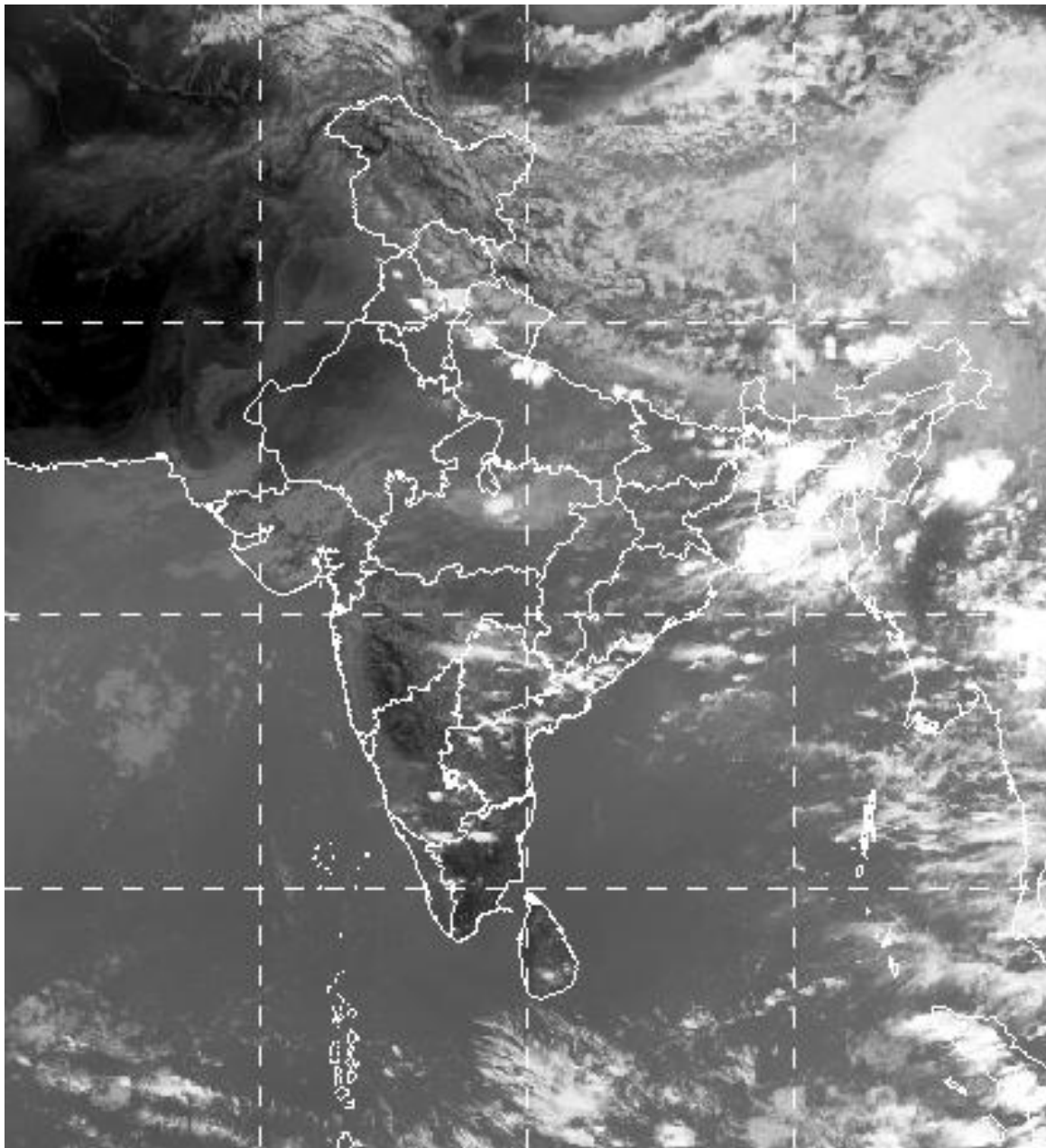
### **Assam**

#### **Weather condition**

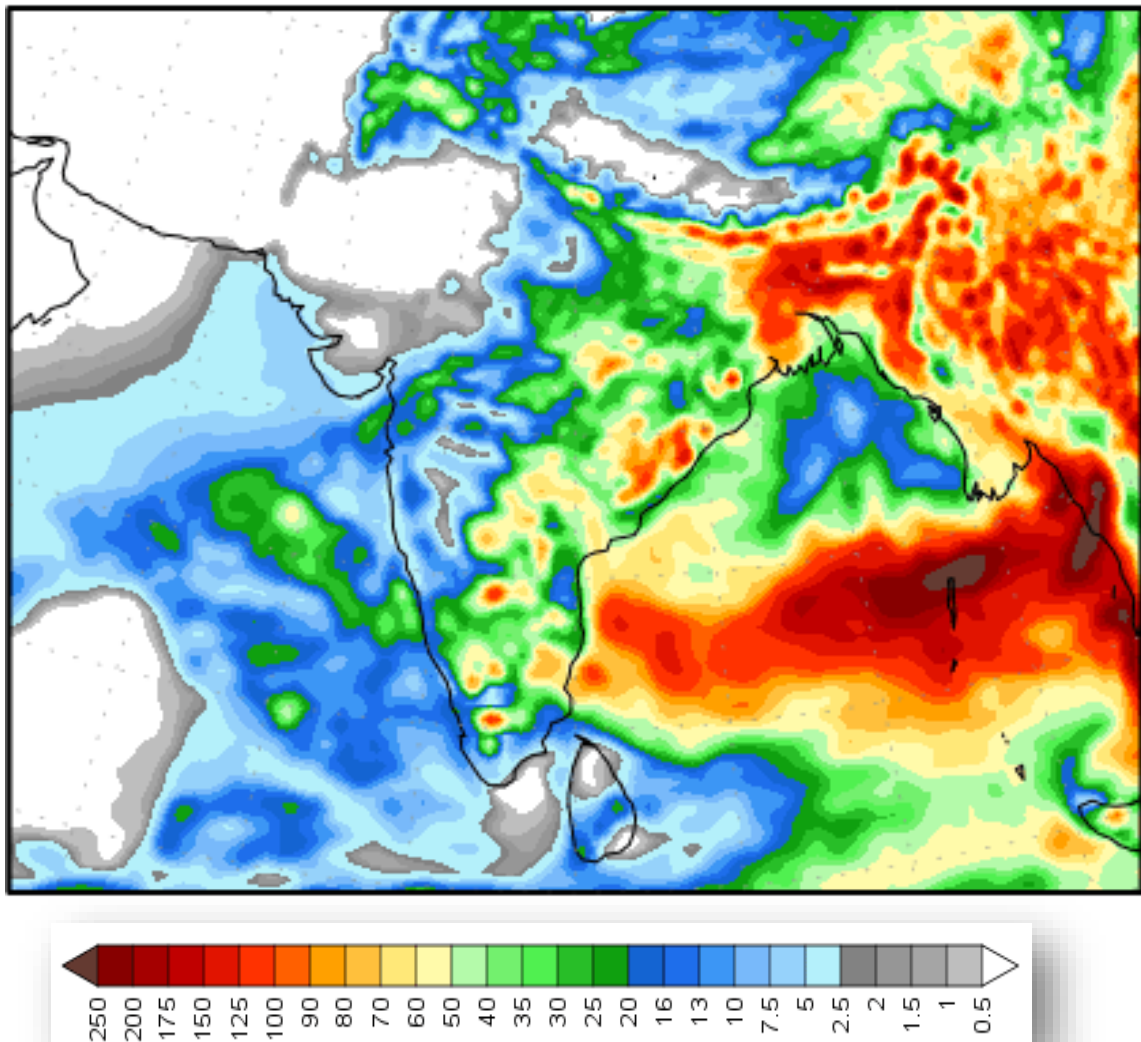
Light rainfall received in Assam state during past few days. Daily average maximum temperature was 34.1°C which was 2.0°C above normal and the average daily minimum temperature was 25.8°C which was 1.0°C above normal.

#### **Contingency measure:**

- Sali rice: (Tillering/ maximum Tillering stage): Farmers are advised to apply the top dressing of urea after 20-25 days of transplanting. Field should be weed free before top dressing.
- Pulses (summer): Farmers are advised to collect the seeds of black gram like T9, T27, Pant U 19 and green gram like T44, Kopergaon, ML56 etc as well as prepare the land. Sesamum: One weeding should be done at 20 days after sowing by khurpi or hoeing.
- Vegetables: Make provisions in the gardens so that excess rain-water is quickly drained out as rainfall is predicted for the next 5 days. If the attack of fruit fly, red pumpkin beetle and epilechna beetle in summer gourds may observed, spray endosulphon or malathion 50 EC @ 1 ml per litre in the field to control these insects when the weather is sunny.
- Animals: Due to hot weather condition farmers are advised to feed their cattle at night and cooler time.



**Figure: 1. Latest available satellite picture as on 12 September 2018 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 12 to 18 September 2018 (Source: NOAA NCEP).**