

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

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

### **Daily Crop Weather Information as on 29 August 2018**

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

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

- Monsoon trough is passing along its near normal position with an embedded cyclonic circulation extending in the lower tropospheric levels, over north east Madhya Pradesh and adjoining south Uttar Pradesh. Also, an eastwest shear zone runs in the midtropospheric levels across central India.
- The monsoon trough is likely to remain active with fresh cyclonic circulations developing over the trough zone during the next 4-5 days. The East West shear zone is likely to shift further northwards and merge with the monsoon trough after 2 days.
- As a result, fairly widespread rainfall activity with isolated heavy/very heavy falls are likely to continue over Madhya Pradesh and Uttar Pradesh during next 4-5 days. Rainfall activity is likely to increase over northeastern states, West Bengal & Sikkim, Bihar, Jharkhand, Chhattisgarh and Odisha during 31st August to 02nd September.
- Rainfall activity over Kerala, Karnataka, Andhra Pradesh, Telangana, Maharashtra and Gujarat is likely to be scattered to fairly widespread with moderate intensity in general during next 4-5 days. The ongoing isolated to scattered rainfall is likely to continue over remaining parts of northwest India, Jammu & Kashmir and Himachal Pradesh during next 2-3 days.
- Heavy to very heavy rainfall observed at isolated places over East Madhya Pradesh, Chhattisgarh and heavy rain at isolated places over Uttarakhand, Haryana, Chandigarh & Delhi, East Rajasthan, Vidarbha, Assam & Meghalaya, Coastal Andhra Pradesh, Coastal 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 Uttarakhand, East Madhya Pradesh, Chhattisgarh, Gangetic West Bengal, Arunachal Pradesh, Konkan & Goa, Kerala, Coastal & North Interior Karnataka, Lakshadweep and Andaman & Nicobar Islands; at many places over West Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Vidarbha, Odisha, Sub Himalayan West Bengal & Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka; at a few places over Himachal Pradesh, Haryana,

Chandigarh & Delhi, West Rajasthan, Bihar, Jharkhand, Coastal Andhra Pradesh Madhya Maharashtra and East Uttar Pradesh and at isolated places over Jammu & Kashmir, Punjab, Marathwada, Telangana, Tamilnadu, Gujarat and Rayalaseema.

- Maximum temperature departures as on 28.08.2018: Maximum temperatures were above normal (1.6°C to 3.0°C) at most places over Jammu & Kashmir and Himachal Pradesh; at many places over West Rajasthan; at a few places over Rayalaseema & Bihar and at isolated places over Kerala, Tamilnadu & Puducherry, West Bengal & Sikkim and Assam & Meghalaya. They were appreciably below normal (3.1°C to 5.0°C) at many places over Vidarbha, Chhattisgarh; at isolated places over Madhya Pradesh and Odisha and below normal (1.6°C to 3.0°C) at a few places over Uttarakhand and Haryana, Chandigarh & Delhi and at isolated places over North Interior Karnataka and near normal over rest of the country.
- Yesterday, the highest maximum temperature of 40.2°C was recorded at Ganganagar (West Rajasthan) over the country.
- Minimum temperature departures as on 29.08.2018: Minimum temperatures are above normal (1.6°C to 3.0°C) at most places over Punjab; at many places over Jammu & Kashmir, Himachal Pradesh, East Uttar Pradesh and Sub Himalayan West Bengal & Sikkim; at a few places over Uttarakhand and at isolated places over Gujarat and Rajasthan. They are below normal (1.6°C to 3.0°C) at a few places over East Madhya Pradesh and at isolated places over West Madhya Pradesh and near normal over rest of the country.

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

- 29 August (Day 1): Heavy to very heavy rain at isolated places very likely over West Madhya Pradesh; heavy rain at isolated places very likely over Uttarakhand, West Uttar Pradesh, Rajasthan, East Madhya Pradesh, Sub Himalayan West Bengal & Sikkim, Vidarbha, Chhattisgarh, Arunachal Pradesh, Assam & Meghalaya and Coastal & South Interior Karnataka.
- 30 August (Day 2): Heavy rain at isolated places very likely over East Uttar Pradesh, Odisha, West Madhya Pradesh and South Interior Karnataka.
- 31 August (Day 3): Heavy rain at isolated places very likely over Uttar Pradesh, East Madhya Pradesh, Bihar, Odisha, Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 01 September (Day 4): Heavy to very heavy rain at isolated places likely over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and East Madhya Pradesh; heavy rain at isolated places likely over Uttar Pradesh, Jharkhand, Bihar, East Rajasthan, West Madhya Pradesh, West Bengal & Sikkim, Chhattisgarh, Arunachal Pradesh and South Interior Karnataka.
- 02 September (Day 5): Heavy rain at isolated places likely over Arunachal Pradesh, Assam &

Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Uttarakhand, Haryana, Chandigarh & Delhi, Madhya Pradesh, Uttar Pradesh, Vidarbha, Jharkhand, Bihar, East Rajasthan and West Bengal & Sikkim.

- The weather outlook for the period of seven days *i.e* 29 August to 04 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, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi East Rajasthan, Punjab, Uttar Pradesh, Gangetic West Bengal, Bihar, Jharkhand, Odisha, Konkan & Goa, Saurashtra & Kutch, Gujarat region, Vidarbha, Marathawada, Madhya Maharashtra, Telangana, Coastal Andhra Pradesh, Rayalaseema, Tamilnadu, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

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

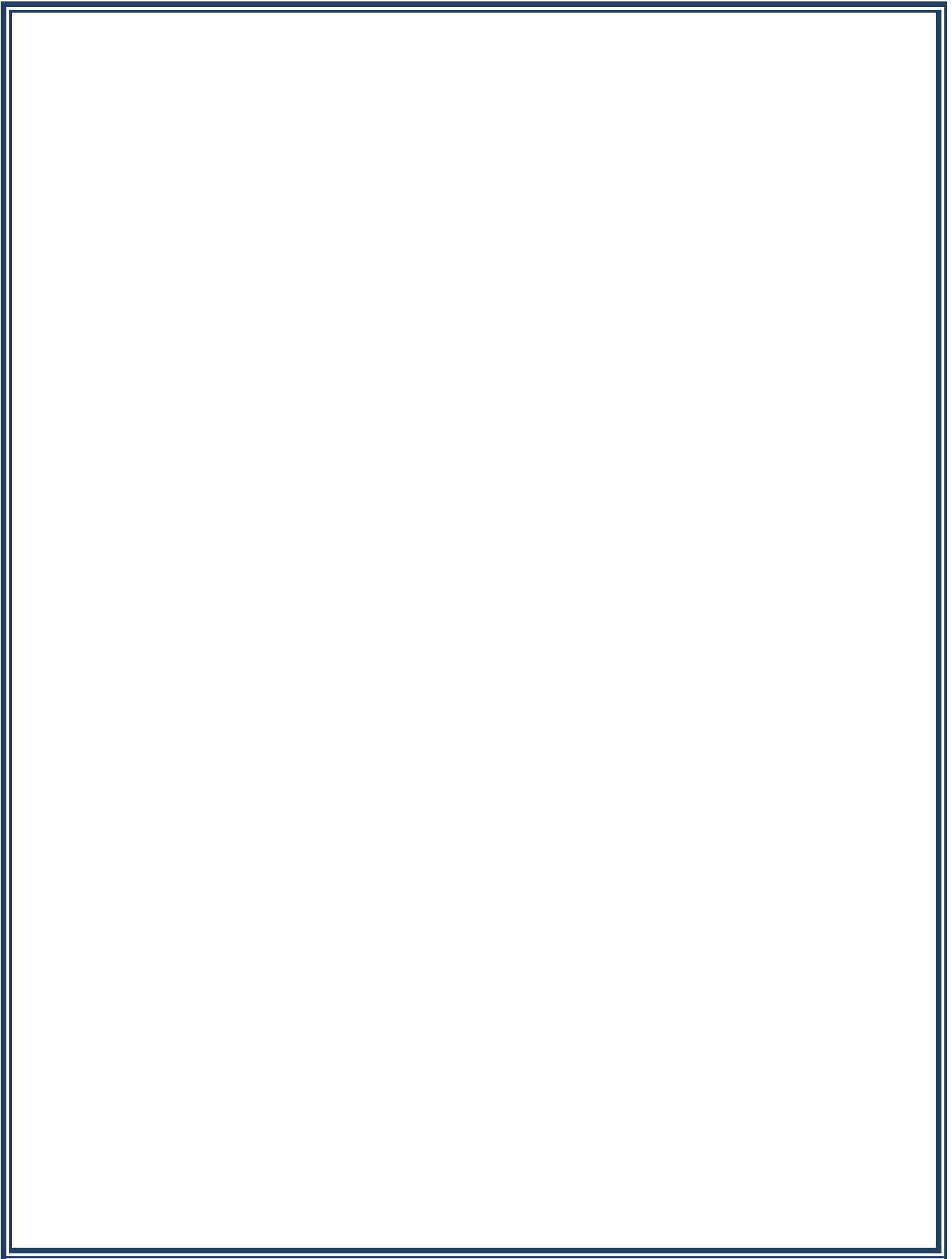
### **Assam**

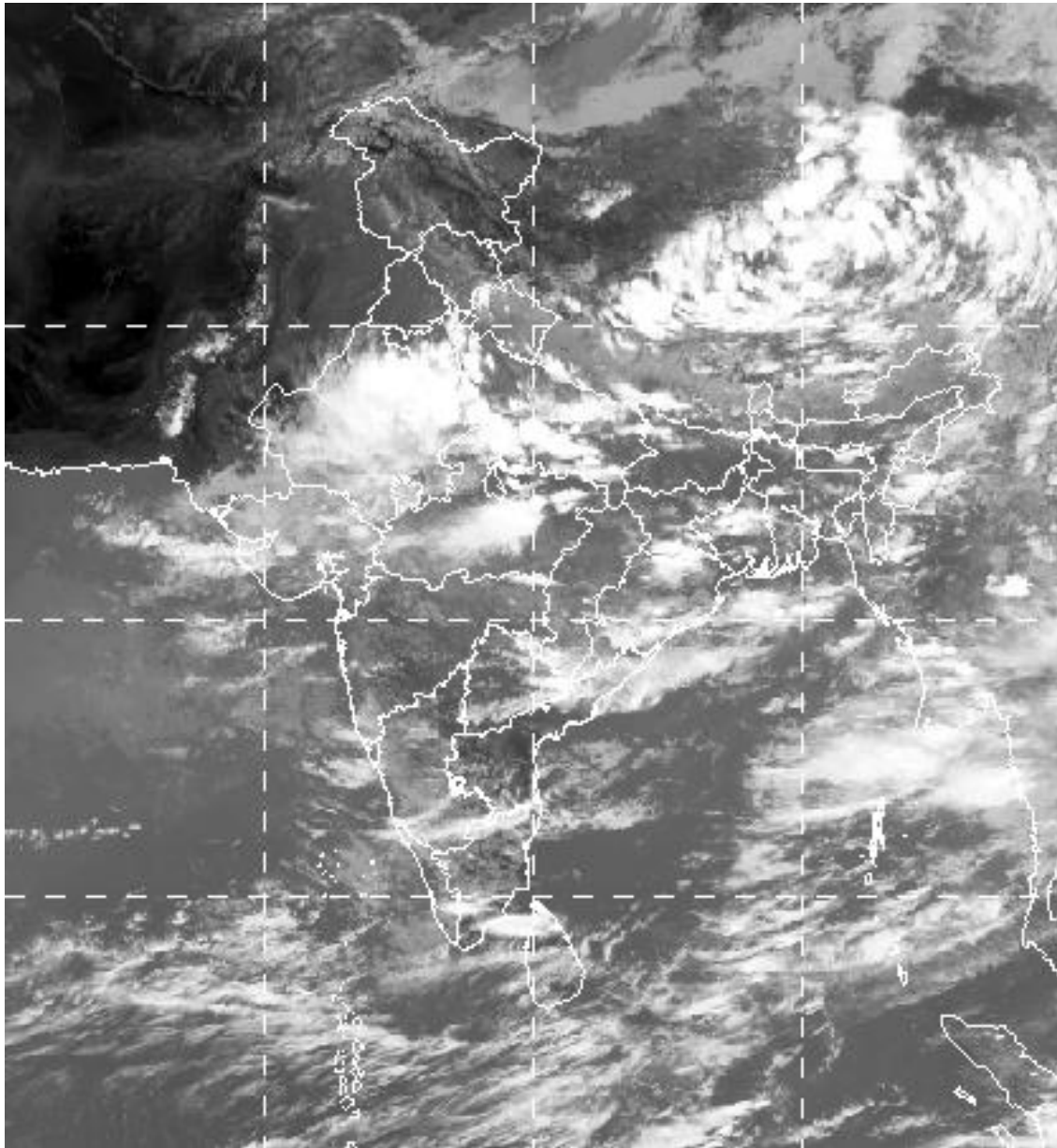
#### **Weather condition**

Light rainfall received in Assam state during past few days. Daily average maximum temperature was 34.3°C which was 2.0°C above normal and the average daily minimum temperature was 24.7°C which was 0.4°C above normal.

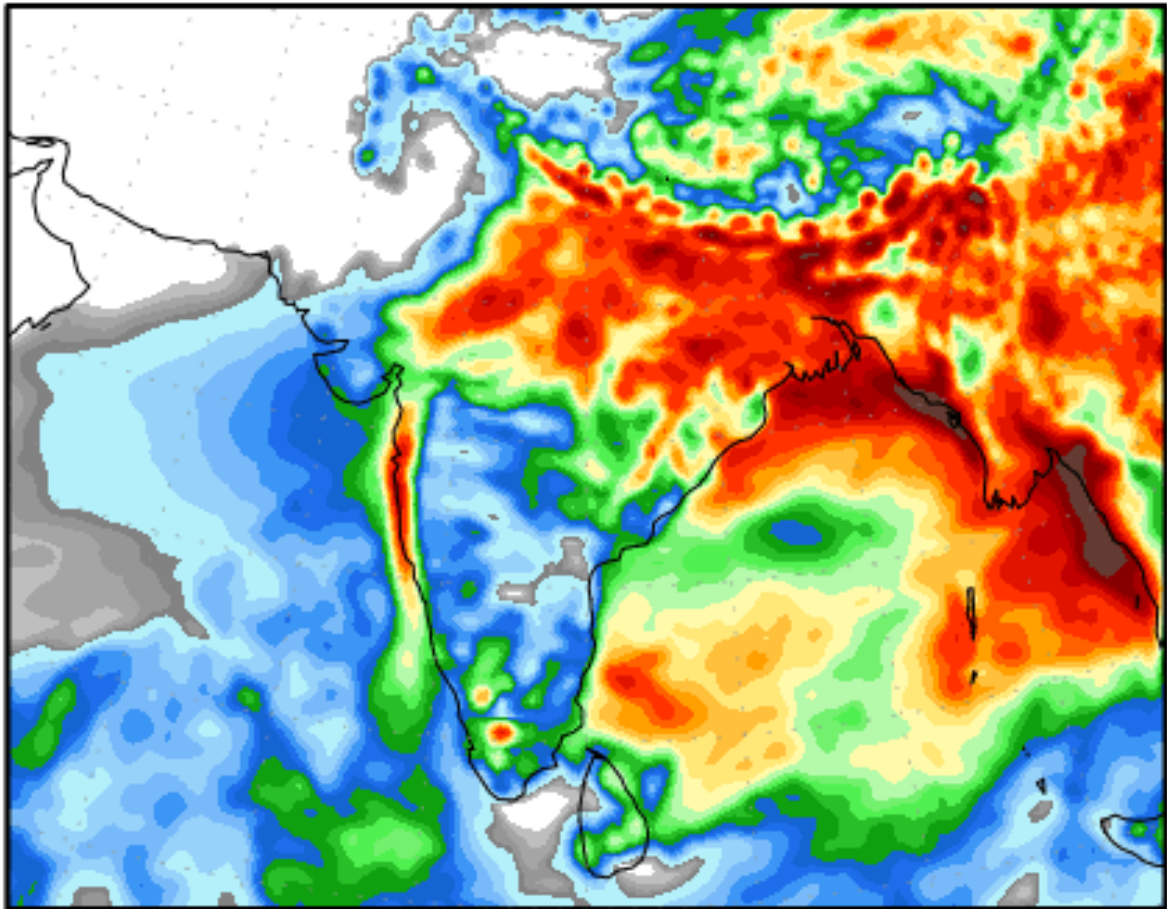
#### **Contingency measure:**

- Sali rice: In flood affected areas farmers are advised to grow rice varieties like Andrew Sali, Biraj, Monohar Sali, Kmj-1-19-1, Luit, Kapilee, etc by mid August.
- Sesamum (Summer): Collect and sow the recommended varieties of sesame like Gauri, Madhavi, Punjab Tall No-1 etc.
- Summer vegetables: Make provisions in the gardens so that excess rain-water is quickly drained out during the ensuing rainy season. 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.
- Gamosis disease in citrus plants can be controlled by draining excess water from the field. The affected portion should be scraped with a little extra healthy tissue without injure the wood and then smear Bordeaux paste(1.2 linseed oil).
- Sugarcane: The second earthing up of sugarcane should be done two months after the first earthing up. The second earthing up will transform the trenches/furrows into ridges. The furrows thus made in between the ridges will facilitate drainage of excess water during high rainfall.
- Poultry: Poultry growers can use the hybrid variety of chicken like BV 300, Babcock, BV 380 etc for egg production purpose.





**Figure: 1. Latest available satellite picture as on 29 August 2018 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 29 August to 04 September 2018 (Source: NOAA NCEP).**