

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

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

### **Daily Crop Weather Information as on 01 August 2019**

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

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

- The Low Pressure Area over northeast Madhya Pradesh and neighbourhood persists. Monsoon trough continues to run south of its normal position with this Low Pressure Area lying embedded in it. The Low Pressure Area is likely to weaken during next 12 hours. Subsequently, the monsoon trough is likely to shift gradually northwards from today.
- A fresh Low Pressure Area is likely to develop over northeast Bay of Bengal around 04th August.
- Under the above scenario, a gradual reduction in the intensity of rainfall is very likely over central & adjoining peninsular India during next 3 days. During this period, a gradual increase in rainfall is very likely over western Himalayan region, Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh.
- The rainfall activity along the west coast is likely to increase further from 03rd August.

The images showing the latest satellite picture in figure. 1.

#### **Main Weather Observations (IMD)**

- Rain/Thunder showers observed (from 0830 hrs IST to 1730 hours IST of yesterday): at most places over Gujarat State, Konkan & Goa, Madhya Maharashtra and Arunachal Pradesh; at many places over Vidarbha, Coastal Karnataka; at a few places over Jammu & Kashmir, Himachal Pradesh, Odisha, Gangetic West Bengal and Assam & Meghalaya and at isolated places over Punjab, Haryana, Chandigarh & Haryana, West Uttar Pradesh, Rajasthan, Madhya Pradesh, Marathawada, Telangana, North & South Interior Karnataka, Kerala, Coastal Andhra Pradesh & Yanam, Bihar, Sub-Himalayan West Bengal & Sikkim and Nagaland, Manipur, Mizoram & Tripura.

- Heavy to very heavy rainfall with extremely heavy falls observed at isolated places over Gujarat region and heavy rain at isolated place over Madhya Maharashtra at 1730 hrs IST of yesterday.
- Thunder storm observed (from 1130 hours IST of yesterday to 0530 hours IST of today): at isolated places over Coastal Andhra Pradesh, Assam & Meghalaya, East Uttar Pradesh, East Rajasthan, Punjab, Gangetic West Bengal and Gujarat State.
- Maximum temperature departures as on 31-07-2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over Kerala; at a few places over Rayalaseema and at isolated places over Tamil Nadu, Puducherry & Karaikal; above normal (1.6°C to 3.0°C) at most places over South Interior Karnataka; at a few places over West Rajasthan, Bihar, Coastal Andhra Pradesh & Yanam and at isolated places over Gangetic West Bengal, Odisha, Konkan & Goa. They were markedly below normal (-5.1°C or less) at many places over Vidarbha and at isolated places over West Madhya Pradesh, Madhya Maharashtra; appreciably below normal (-3.1°C to -5.0°C) at a few places over Gujarat Region, Chhattisgarh, Himachal Pradesh and Punjab and at isolated places over Saurashtra & Kutch, East Madhya Pradesh and Jammu & Kashmir; below normal (-1.6°C to -3.0°C) at many places over Assam & Meghalaya and at isolated places over East Rajasthan and near normal over rest parts of the country. Yesterday, the highest maximum temperature of 40.6°C recorded at Bikaner (West Rajasthan).
- Minimum temperature departures as on 31-07-2019: Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Jammu & Kashmir; above normal (1.6°C to 3.0°C) at most places over West Rajasthan; at many places over Kerala & Mahe; at a few places over Andaman & Nicobar Islands and at isolated places over East Rajasthan, West Bengal & Sikkim, Odisha and Tamil Nadu, Puducherry & Karaikal. They were markedly below normal (-5.1°C or less) at isolated places over West Madhya Pradesh; appreciably below normal (-3.1°C to -5.0°C) at a few places over East Madhya Pradesh and below normal (-1.6°C to -3.0°C) at many places over Marathwada and Vidarbha; at isolated places over Assam & Meghalaya, Chhattisgarh, Konkan & Goa and Telangana and near normal over rest parts of the country.

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

- 01 August (Day 1): Heavy to very heavy rainfall very likely at isolated places over Konkan & Goa and Saurashtra & Kutch and heavy rainfall at isolated places over Jammu & Kashmir, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, East Rajasthan, Assam & Meghalaya, Madhya Pradesh, Gujarat Region, Sub-Himalayan West Bengal & Sikkim and Madhya Maharashtra. Strong winds, speed reaching 40-50 kmph, are likely to prevail over north, central & adjoining southwest Arabian Sea,

east central Bay of Bengal and along & off Gujarat-Maharashtra-Goa coasts. Fishermen are advised not to venture into these areas.

- 02 August (Day 2): Heavy to very heavy rainfall very likely at isolated places over Gujarat region and Konkan & Goa and heavy rainfall at isolated places over Coastal Karnataka, Madhya Maharashtra, Madhya Pradesh, East Rajasthan, Uttar Pradesh, Punjab, Haryana, Chandigarh & Delhi, Odisha, Nagaland, Manipur, Mizoram & Tripura and Assam & Meghalaya. Strong winds, speed reaching 40-50 kmph, are likely to prevail over north, central & adjoining southwest Arabian Sea, central Bay of Bengal and along & off Gujarat-Maharashtra-Goa-Karnataka coasts. Fishermen are advised not to venture into these areas.
- 03 August (Day 3): Heavy rainfall at a few places with very heavy falls likely at isolated places over Konkan & Goa; Heavy to very heavy rainfall at isolated places over Madhya Maharashtra and Odisha and Heavy rainfall at isolated places over Himachal Pradesh, Uttarakhand, Coastal Karnataka, Madhya Pradesh, East Rajasthan, Gujarat region, Jharkhand and Nagaland, Manipur, Mizoram & Tripura. Strong winds, speed reaching 40-50 kmph, are likely to prevail over north, central & adjoining southwest Arabian Sea, north & central Bay of Bengal and along & off Gujarat-Maharashtra-Goa-Karnataka and West Bengal & Odisha coasts. Fishermen are advised not to venture into these areas.
- 04 August (Day 4): Heavy to very heavy rainfall at a few places with extremely heavy falls likely at isolated places over Konkan & Goa; Heavy to very heavy rainfall with extremely heavy falls at isolated places over Madhya Maharashtra; Heavy to very heavy rainfall at isolated places over Odisha and Heavy rainfall at isolated places over Kerala & Mahe, Coastal Karnataka, Gujarat region, Madhya Pradesh, East Rajasthan, Himachal Pradesh, Uttarakhand, Gangetic West Bengal and Jharkhand. Strong winds, speed reaching 40-50 kmph, are likely to prevail over north, central & adjoining southwest Arabian Sea, north & central Bay of Bengal and along & off Gujarat-Maharashtra-Goa-Karnataka and West Bengal & Odisha coasts. Fishermen are advised not to venture into these areas.
- 05 August (Day 5): Heavy to very heavy rainfall at a few places with extremely heavy falls likely at isolated places over Konkan & Goa; Heavy to very heavy rainfall with extremely heavy falls at isolated places over Madhya Maharashtra; Heavy to very heavy rainfall at isolated places over Odisha and Heavy rainfall at isolated places over Kerala & Mahe, Coastal Karnataka, Gujarat region, Madhya Pradesh, East Rajasthan, Punjab, Haryana, Chandigarh & Delhi, Himachal Pradesh, Uttarakhand, Gangetic West Bengal and Jharkhand. Strong winds, speed reaching 40-50 kmph, are likely to prevail over north, central & adjoining southwest Arabian Sea, north & central Bay of Bengal and along & off Gujarat-Maharashtra-Goa-Karnataka and West Bengal & Odisha coasts. Fishermen are advised not to venture into these areas.

- The weather outlook for the period of seven days *i.e.*, 01 August to 09 August 2019 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thunder shower may occur over Sub-Himalayan West Bengal & Sikkim, Bihar, Madhya Pradesh, Odisha, Konkan & Goa, Vidarbha, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh, Rayalaseema, North Interior Karnataka, Coastal & South Interior Karnataka, Kerala, Tamil Nadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

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

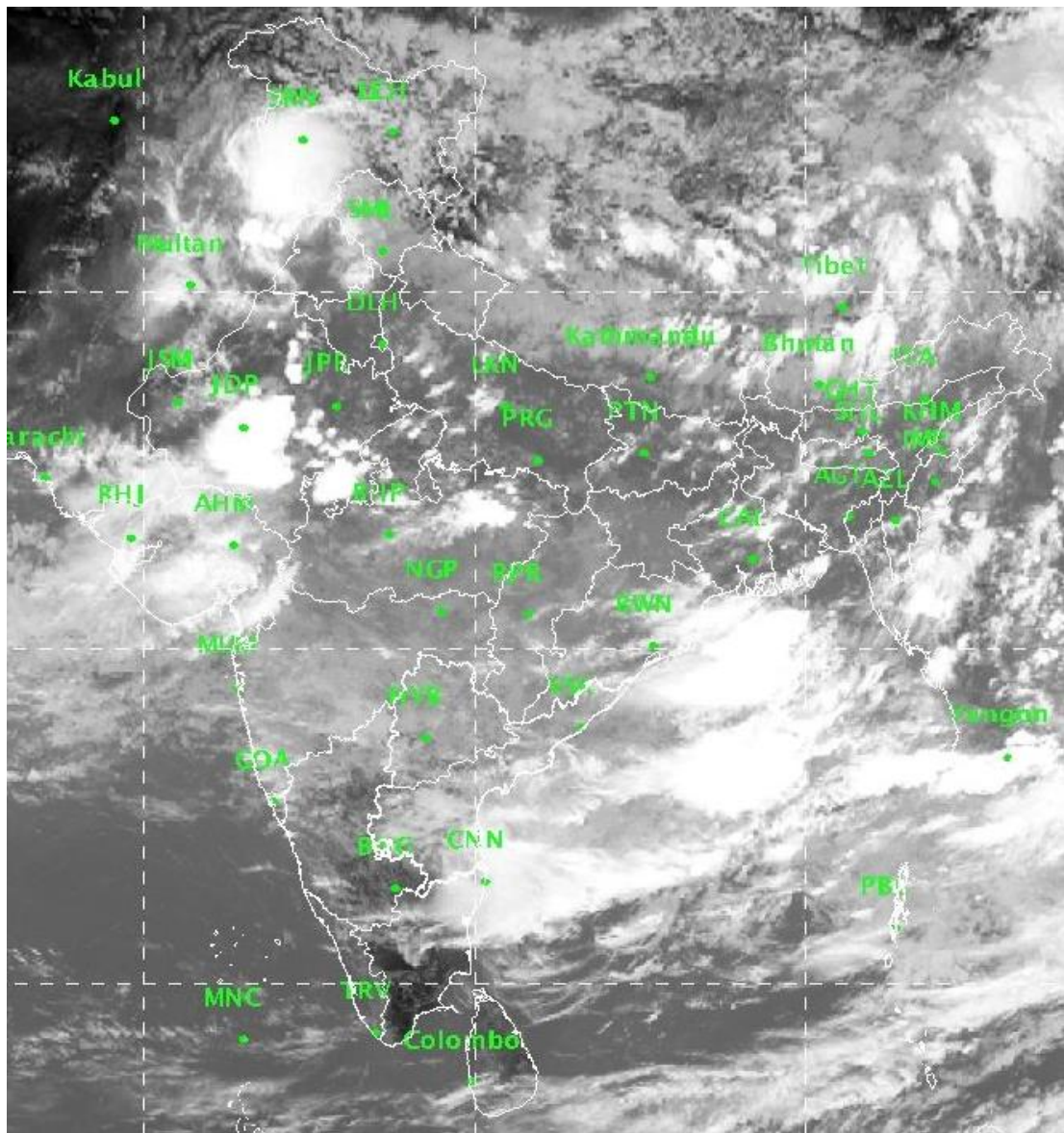
### **Andhra Pradesh**

#### **Weather condition:**

No rainfall received in isolated places in Andhra Pradesh state during past few days. The maximum temperature was ranged between 30-35°C and minimum temperature was ranged between 24-25°C

#### **Contingency measure:**

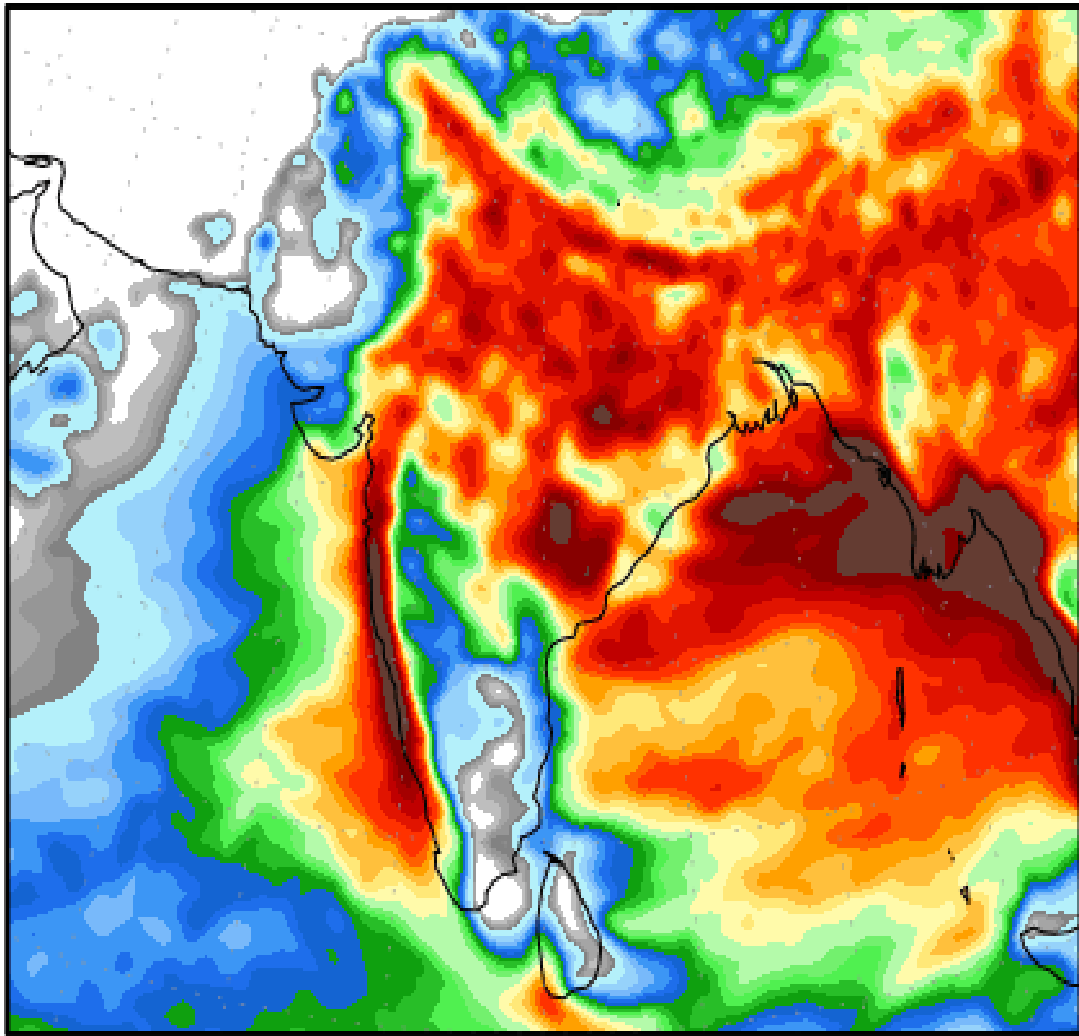
- Wherever sufficient soil moisture available, farmers are advised to take up sowing of Groundnut crop. They are advised to take up seed treatment with Imidacloprid 600 FS@2ml and Tebuconazole@1g or mancozeb@3g per kg of seed before sowing. They are advised to go for intercropping of groundnut+ redgram/castor in 7:1 ratio. Sowing of 3-4 rows of maize/jowar/bajra as border crops will help control of sucking pests. In remaining mandals, farmers are advised to wait until receipt of sufficient rainfall for sowing. Leaf miner and helioverpa incidence is noticed in early sown groundnut crop. As prevailing weather is favourable for further spread, farmers are advised to spray monochrotophos @1.6 ml per lit or acephate @1.5 g per lit. Wherever sufficient soil moisture available farmers are advised to take up sowing of Bajra, foxtail millet and redgram. Farmers can select high yielding varieties of redgram like LRG 41, LRG 52, TRG 22, PRG 176 and sow 4-5 kg seed /acre for sole crop.



**Figure: 1. Latest available satellite picture as on 01 August 2019 at 13:00 Hrs (IST).**

**(Source: IMD).**





**Figure: 2. Precipitation forecast for 01 August to 09 August 2019 (Source: NOAA NCEP).**