

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

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

### **Daily Crop Weather Information as on 14 June 2018**

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

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

- The South West Monsoon continues to pass through Thane (including Mumbai), Ahmednagar, Buldhana, Amravati, Gondia, Titlagarh, Cuttack, Midnapore, Goalpara, Baghdogra . No further advance of South West Monsoon expected during the next one week due to weakening of monsoon circulation pattern. Strong dusty winds of 25 to 35 kmph likely to prevail over parts of northwest India including Rajasthan, Punjab, Haryana, Chandigarh, Delhi and West Uttar Pradesh during next 2 days.
- The images showing the latest satellite picture in figure. 1.

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

- Rainfall observed (from 0830 to 1730 hours IST of yesterday): Rain/thundershowers observed at many places over Arunachal Pradesh, Assam, Meghalaya and Kerala, at isolated places over Nagaland, Manipur, Mizoram, Tripura, Sub Himalayan west Bengal, Sikkim, Himachal Pradesh, East Madhya Pradesh, East Uttar Pradesh, North interior Karnataka, Tamilnadu & Puducherry. Amount of rainfall recorded at 1730 hours IST of yesterday (2cm or more) were: Itanagar, North Lakhimpur, Tezpur, Nedumbassery, Valprai, Dibrugarh, Golaghat, Baghdogra, Punalur, Kottayam, Palakkad, Thrissur. Thunderstorm observed at isolated places over Himachal Pradesh, East Uttar Pradesh, East Madhya Pradesh, Bihar, Jharkhand, Chhattisgarh, Coastal Karnataka, Assam and Meghalaya from 1130 hours IST of yesterday to 0530 hours IST of today.
- Maximum temperature departures as on 14-06-2018 : Maximum temperatures were markedly above normal (5.1°C or more) at many places over Jammu & Kashmir and Punjab; appreciably above normal (3.1°C to 5.0°C) at many places over Himachal Pradesh; at a few places over Uttarakhand and at isolated places over Saurashtra & Kutch; above normal (1.6°C to 3.0°C) at many places over Haryana, Chandigarh & Delhi, Uttar Pradesh, Bihar, Konkan & Goa and at isolated places over East Rajasthan, Gujarat Region, East Madhya Pradesh, West Bengal, Sikkim, Madhya Maharashtra, Coastal Andhra Pradesh and Kerala. They were markedly below normal (5.1°C or less) at many places over Assam & Meghalaya; appreciably below normal (3.1°C to 5.0°C) at isolated places over Jharkhand & Odisha and

below normal (1.6°C to 3.0°C) at many places over Nagaland, Manipur, Mizoram, Tripura and Chhattisgarh, isolated places over Vidarbha, Tamilnadu, Puducherry and Coastal Andhra Pradesh and near normal over rest of the country. Yesterday, the highest maximum temperature of 46.2°C recorded at Patiala (Punjab).

- Minimum temperature departures as on 14-06-2018: Minimum temperatures were appreciably above normal (3.1°C to 5.0°C) at most places over Haryana, Chandigarh & Delhi; at a few places over Jammu & Kashmir and Punjab, above normal (1.6°C to 3.0°C) at most places over Uttarakhand, West Uttar Pradesh, Konkan, Goa, Sub Himalayan West Bengal & Sikkim; at many places over Saurashtra, Kutch, Madhya Maharashtra and Arunachal Pradesh; at a few places over Himachal Pradesh, Bihar, West Madhya Pradesh, Kerala and Andaman & Nicobar Island, at isolated places over Rajasthan, Gujarat region, Tamilnadu & Puducherry. They were appreciably below normal (3.1°C to 5.0°C) at many places over Chhattisgarh, at a few places over East Madhya Pradesh; below normal (1.6°C to 3.0°C) at few places over East Uttar Pradesh, South Interior Karnataka, isolated places over Odisha, Coastal Andhra Pradesh and near normal over rest of the country.

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

- **14 June (Day 1):** Heavy to very heavy rain at isolated places expected over Coastal & South Interior Karnataka, Assam & Meghalaya and heavy rain at isolated places over Kerala, Sub Himalayan West Bengal, Sikkim, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura. Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Interior Tamilnadu, Telangana, Rayalaseema, north Coastal Andhra Pradesh, Gangetic West Bengal, Bihar, Jharkhand and Odisha.
- **15 June (Day 2):** Heavy rain expected at isolated places over Coastal Karnataka, Sub Himalayan West Bengal, Sikkim, Arunachal Pradesh, Assam & Meghalaya. Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi and East Uttar Pradesh.
- **16 June (Day 3) :** Heavy rain at isolated places likely over Coastal Karnataka, South Konkan & Goa, Andaman & Nicobar Islands, Sub Himalayan West Bengal, Sikkim, Assam and Meghalaya. Duststorm/ Thunderstorm expected at isolated places over West Uttar Pradesh.

- **17 June (Day 4) :** Heavy to very heavy rain at isolated places likely over Coastal Karnataka; Heavy rain at isolated places over Andaman & Nicobar Islands, Konkan & Goa, Assam & Meghalaya. Thunderstorm accompanied with squall expected at isolated places over Himachal Pradesh.
- **18 June (Day 5):** Heavy to very heavy rain at isolated places likely over Coastal Karnataka; Heavy rain at isolated places over Andaman & Nicobar Islands, Konkan & Goa, Assam & Meghalaya. Thunderstorm accompanied with gusty winds and lightning expected at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh, Delhi and Uttar Pradesh.
- The weather outlook for the period of seven days *i.e.* 13 to 21 June 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over; West Bengal, Odisha, Chhattisgarh, Sub divisions of Peninsular India and North eastern States. (Fig. 2).

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

### **Gujarat**

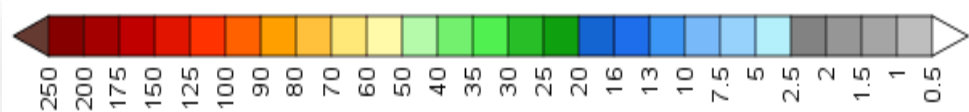
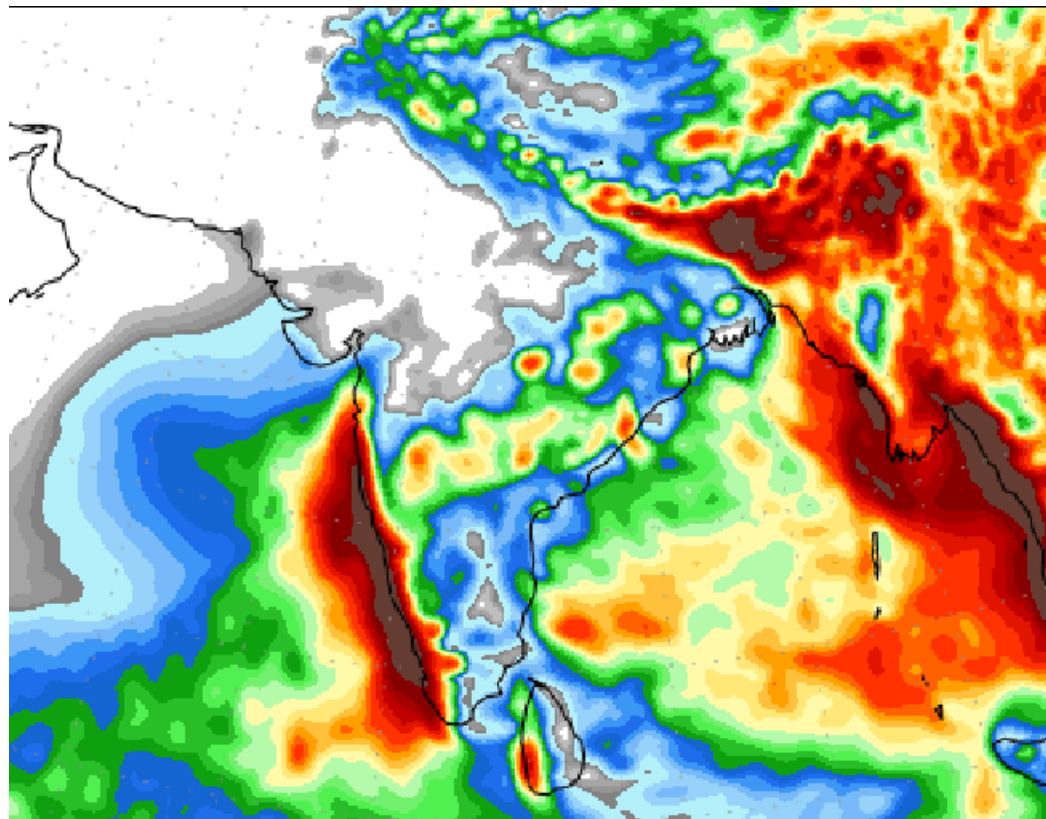
#### **Weather condition**

Dry weather condition continue to prevail over Gujarat during the past few days. The maximum temperature ranges from 39 to 42°C and minimum temperature ranges from 28 to 29 °C.

#### **Contingency measure:**

- If proper irrigation facility is available, then farmers can go for Cotton sowing at 120cm x 45cm spacing.
- Seed treatment with mercuric fungicide like Thiram, Captan is recommended before sowing of crops.
- Farmers are advised to give irrigation in Summer crops like pearl millet, green gram, cow pea, Okra.
- Green gram is at Pod Maturity stage. Therefore, farmers are advised to pick the mature pod and preserve it at safe place after Sun drying.





**Figure: 2. Precipitation forecast for 13 to 21 June 2018 (Source: NOAA NCEP).**