

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

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

### **Daily Crop Weather Information as on 01 June 2018**

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

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

- The Southwest Monsoon has further advanced into some more parts of northeast Bay of Bengal and some parts of Mizoram & Manipur. The Northern Limit of Monsoon (NLM) passes through Lat. 14 °N/ Long. 60 °E, Lat. 14 °N/ Long. 70 °E, Shirali, Hassan, Mysuru, Kodaikanal, Tuticorin, Lat. 09 °N/ Long. 80 °E, Lat. 13 °N/ Long. 85 °E, Lat. 18 °N/ Long 90 °E, Lat. 20 °N/ Long 91 °E, Aizwal, Lat. 24 °N/ Long 93 °E (Chura Chandpur), and Lat. 25 °N/ Long. 95 °E. Conditions are favorable for further advance of Southwest Monsoon into some more parts of northeastern states during next 48 hours. Conditions are likely to become favorable for further advance of southwest monsoon into some more parts of south Peninsula during the subsequent 34 days with the likely development of favorable circulation features and strengthening of cross Equatorial winds.
- Heat wave conditions have abated from most of the regions except some parts West Rajasthan where it is likely to continue during next 3 days.
- 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 Bihar; at many places over West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Coastal & North Interior Karnataka and Andaman & Nicobar islands; at a few places over Uttarakhand, Jharkhand, Assam & Meghalaya, north Coastal Andhra Pradesh, Telangana, South Interior Karnataka, Kerala and Lakshadweep; at isolated places over Himachal Pradesh, East Uttar Pradesh, East Rajasthan, East Madhya Pradesh, Vidharbha, Chhattisgarh, Odisha, Marathwada, Madhya Maharashtra and Tamil Nadu & Puducherry.

- Amount of rainfall recorded at 0830 hours IST of today (2 cm or more) are: Purnea 8; Rantachintala 6; Kailashahar, Jeur & Karwar 4 each; Jagdalpur 3; Gaya, Bagdogra, Malda, Long Island, Sangli, Bagalkote & Chitradurga 2 each.
- Thunderstorm observed at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, East Uttar Pradesh, Bihar, West Bengal & Sikkim, Odisha, Madhya Maharashtra and Kerala from 0830 to 1430 hours IST of today.
- Maximum temperatures were markedly above normal (5.1 °C or more) at isolated places over Jammu & Kashmir and West Rajasthan; appreciably above normal (3.1 °C to 5.0 °C) at a few places over Madhya Maharashtra; at isolated places over West Madhya Pradesh; above normal (1.6 °C to 3.0 °C) at most places over Haryana, Chandigarh & Delhi and Rayalaseema; at a few places over Himachal Pradesh, Saurashtra & Kutch and North Interior Karnataka; at isolated places over Andaman & Nicobar Islands and Tamil Nadu & Puducherry. They were appreciably below normal (3.1 °C to 5.0 °C) at a few places over Odisha and Jharkhand; at isolated places over Telengana and Nagaland, Manipur, Mizoram & Tripura; below normal (1.6 °C to 3.0 °C) at most places over Chhattisgarh; at many places over East Uttar Pradesh; at isolated places over West Uttar Pradesh, Bihar, West Bengal & Sikkim and Coastal Andhra Pradesh and near normal over the rest of the country. Yesterday, the highest maximum temperature of 48.1 °C was recorded at Ganganagar (West Rajasthan) over plains of the country.
- Minimum temperatures are markedly above normal (5.1 °C or more ) at isolated places over Jammu & Kashmir; appreciably above normal (3.1 °C to 5.0 °C) at most places over Punjab; at many places over West Rajasthan; at a few places over East Rajasthan; at isolated places over West Rajasthan; above normal (1.6 °C to 3.0 °C) at most places over Gujarat region; at many places over Konkan & Goa; at a few places over Uttarakhand and South Interior Karnataka; at isolated places over Himachal Pradesh, Madhya Maharashtra, Vidharbha, Gangetic West Bengal, Saurashtra & Kutch, Tamil Nadu & Puducherry and Kerala. They are appreciably below normal ( 3.1 °C to 5.0 °C) at a few places over Bihar; at isolated places over Odisha; below normal (1.6 °C to 3.0 °C) at a few places over East Madhya Pradesh, Telangana, Chhattisgarh & Jharkhand and near normal over rest of the country

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

**01 June (Day 1):**

- Heat wave conditions are very likely to occur at some parts of West Rajasthan with severe heat wave at one or two pockets.
- Warm night conditions are very likely at one or two pockets over West Madhya Pradesh.
- Heavy rain very likely at isolated places over West Bengal, Odisha, Assam & Meghalaya and Manipur, Mizoram & Tripura.
- Thunderstorm accompanied with squall and lightning very likely at isolated places over East Uttar Pradesh, Bihar, Jharkhand, Gangetic West Bengal and Odisha.
- Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, East Madhya Pradesh, Vidharbha, Chhattisgarh, SubHimalayan West Bengal, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh, Telangana, Rayalaseema, North Interior Karnataka, Tamil Nadu & Puducherry and Kerala.

#### **02 June (Day 2):**

- Heat wave conditions are very likely to occur at one or two pockets over West Rajasthan.
- Warm night conditions are very likely at one or two pockets over West Madhya Pradesh.
- Heavy rain very likely at isolated places over SubHimalayan West Bengal, Assam & Meghalaya, Manipur, Mizoram & Tripura, Rayalaseema and South Interior Karnataka.
- Thunderstorm accompanied with squall and lightning very likely at isolated places over Uttar Pradesh.
- Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Uttarakhand, Vidharbha, , Bihar, Jharkhand, West Bengal, Odisha. Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal Andhra Pradesh, Telangana, Rayalaseema, North Interior Karnataka, Tamilnadu & Puducherry and Kerala.

#### **03 June (Day 3):**

- Heat wave conditions are very likely to occur at one or two pockets over West Rajasthan.
- Heavy rain very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Rayalaseema and South Interior Karnataka.
- Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Uttarakhand, Uttar Pradesh, Bihar, Jharkhand and Odisha.

#### 04 June (Day 4):

- Heavy rain very likely at isolated places over Coastal & North Interior Karnataka.
- Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Uttar Pradesh, Jharkhand, Gangetic West Bengal and Odisha.

#### 05 June (Day 5):

- Heavy rain very likely at isolated places over Odisha, Madhya Maharashtra, Marathwada, Konkan & Goa, Coastal & North Interior Karnataka and Kerala.
- Thunderstorm accompanied with squall and lightning likely at isolated places over Odisha.
- Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Uttar Pradesh, Jharkhand, Gangetic West Bengal and Odisha.
- The weather outlook for the period of seven days *i.e* 25 to 31 May 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, Uttar Pradesh, Sub Himalayan West Bengal & Sikkim, Jharkhand, Madhya Pradesh, Odisha, Chhattisgarh, Maharashtra, Telangana, Andhra Pradesh, Karnataka, Kerala, Tamilnadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

## Agricultural activities (AICRPAM-CRIDA)

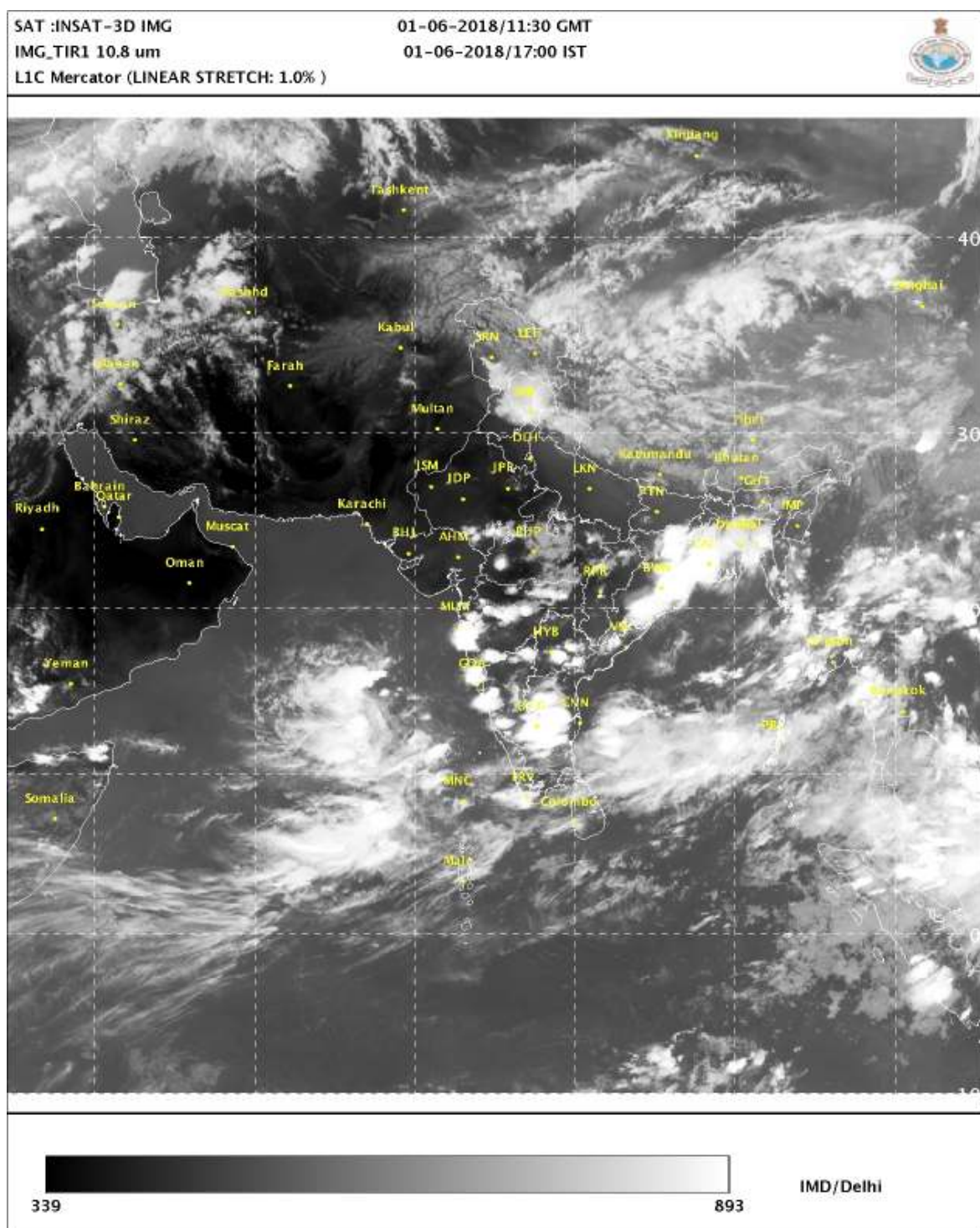
### Kerala

#### Weather condition

Light rainfall received in Kerala state during the past few days. The maximum temperature ranges from 28.4 to 34.1°C and minimum temperature ranges from 20.2 to 23.7 °C.

### Contingency measure:

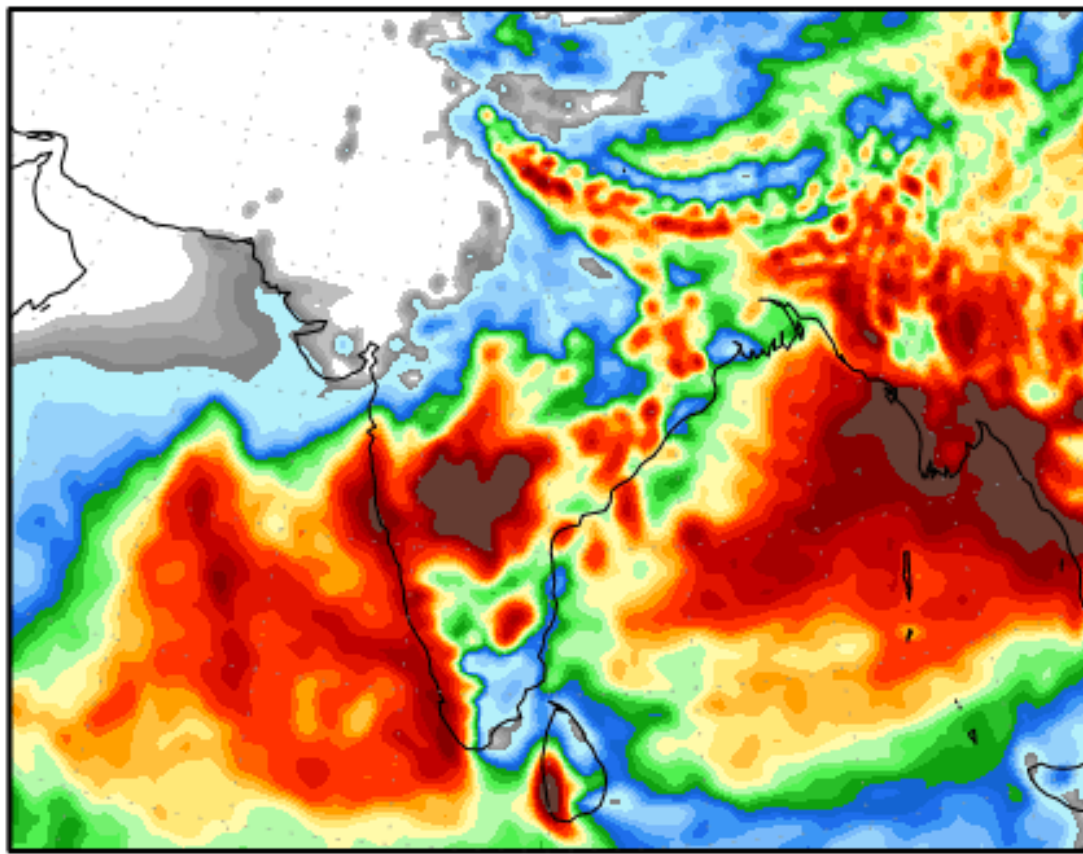
- Paddy-Nursery preparation for next crop-Heavy rainfall is expected. Weeds can be incorporated by ploughing and allowing the water to remain in field till next crop. After receipt of good rain plough the field and pulverize the soil. Prepare nurseries for virippu crop.
- Make seed beds and apply 1kg FYM for 1 sqm. For 1 acre land 25-35 Kg seeds are required. Soak seeds for 16 hours in a solution of Pseudomonas 10g/litre/1 kg seed or carbendazim 2g/kg seed/litre against fungal disease.
- Banana-Erwinia Rot-Proper drainage should be ensured. As a precaution, apply lime in the banana basin or bleaching powder in the irrigation channels. To improve the disease resistance, drench the basin with Pseudomonas @ 20g per litre of water. Affected plants can be protected by drenching the basin with 5 g bleaching powder or 3 g oxychloride or 2g copper hydroxide per one litre of water. Severely affected plants should be cut and removed to prevent the spread of disease.
- Vegetables-Planting-It is time to plant majority of vegetables. Start preparation of land just after first summer showers.



**Figure 1:** Latest available satellite picture as on 01 June 2018 at 1700 Hrs (IST).

(Source: IMD).





**Figure 2:** Precipitation forecast for 01 to 09 June 2018  
(Source: NOAA NCEP).