

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

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

### **Daily Crop Weather Information as on 17 April 2018**

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

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

- The ongoing precipitation over Western Himalayan region is very likely to reduce from tomorrow. Subsequently, enhanced rainfall activity due to a fresh Western Disturbance is once again likely over these regions during 19th-21st April. Isolated thunder-squalls and hailstorms over Western Himalayan region and thunderstorms with gusty winds over northern plains is likely on 20th April.
- Enhanced rainfall activity with isolated thundersqualls are likely over Northeastern states from 18th April. Isolated thunderstorms with gusty winds and occasional squalls & lightning are likely over parts of south peninsula during the forecast period with increased severity over Kerala, South Interior Karnataka and north interior Tamilnadu on 19th and 20th April.
- Heat wave conditions are likely to prevail over some parts of Rajasthan, West Madhya Pradesh, East Uttar Pradesh and Vidarbha during 18th-19th April. Day maximum temperatures are likely to remain above 40°C over parts of northwest and central India.
- Thunderstorm observed at isolated places over Jammu & Kashmir, Uttarakhand, Punjab, Haryana, West Uttar Pradesh, Assam & Meghalaya, Chhattisgarh, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Coastal & South Interior Karnataka, Kerala and Lakshadweep from 1130 hours IST of yesterday to 0830 hours 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 at most places over Jammu & Kashmir and Himachal Pradesh; at a few places over Kerala; at isolated places over Uttarakhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, SubHimalayan West Bengal & Sikkim, Punjab, Uttar Pradesh, Bihar, East Madhya Pradesh, Marathwada, Karnataka, Coastal Andhra Pradesh, Tamilnadu & Puducherry, Lakshadweep and Andaman & Nicobar Islands. Amount of Rainfall recorded at 0830 hours IST of today (1 cm or more) are: Kupwara 3; Gulmarg, Pahalgam, Banihal, Mangalore, Aminidevi and Agathi 2 each; Srinagar, Kokarnag, Batote, Baderwah, Katra, Shillong, Sohra, Cannur, Cochin(AP), Cochin, Periakulam, Kottayam and Kodaikanal 1 each.

- Maximum temperature departures as on 16042018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C ) at most places over Haryana, Chandigarh & Delhi; at isolated places over Arunachal Pradesh, Assam & Meghalaya and Odisha; above normal (1.6°C to 3.0°C ) at many places over Nagaland, Manipur, Mizoram & Tripura and Coastal Andhra Pradesh; at a few places over Uttar Pradesh, Bihar, Jharkhand, Rajasthan, Madhya Pradesh, Saurashtra & Kutch and Konkan & Goa; at isolated places over Himachal Pradesh, Uttrakhand, West Bengal & Sikkim and Tamilnadu & Puducherry .They were markedly below normal (5.1° C or less) at a few places over Jammu & Kashmir; below normal (1.6° C to 3.0° C ) at most places over north Interior Karnataka; at a few places over Chhattisgarh; at isolated places over Madhya Maharashtra and near normal over rest of the country. Yesterday, the highest maximum temperature of 43.7°C was recorded at Chandrapur (Vidarbha) over the plains of the country.
- Minimum temperature departures as on 16042018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at many places over Madhya Maharashtra; at a few places over Haryana, Chandigarh & Delhi, West Madhya Pradesh, Saurashtra & Kutch and Bihar; at isolated places over East Rajasthan; above normal (1.6°C to 3.0°C) at most places over Punjab and East Uttar Pradesh; at many places over Uttarakhand, West Bengal & Sikkim and Konkan & Goa; at a few places over West Rajasthan, Bihar, East Madhya Pradesh, Odisha, Marathwada and Andaman & Nicobar Islands; at isolated places over Jammu & Kashmir, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Vidarbha, Interior Karnataka, Kerala and Tamilnadu & Puducherry.They are below normal (1.6° C to 3.0° C) at isolated places over Himachal Pradesh and near normal over rest parts of the country.

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

- 17 April (Day 1): Thunderstorm accompanied with squall very likely at isolated places over Jammu & Kashmir, Assam & Meghalaya , Nagaland, Manipur, Mizoram & Tripura and Odisha. Thunderstorm accompanied with lightning & gusty winds very likely at isolated places over Madhya Maharashtra. Thunderstorm accompanied with gusty winds very likely at isolated places over Chhattisgarh, West Bengal & Sikkim, Bihar, Jharkhand, Odisha, north Coastal Andhra Pradesh, Karnataka, Kerala and Tamilnadu. Heat wave condition very likely at one or two pockets over West Rajasthan.
- 18 April (Day 2): Thunderstorm accompanied with squall & hail very likely at isolated places over SubHimalayan West Bengal & Sikkim and Assam & Meghalaya. Thunderstorm accompanied with squall very likely at isolated places over Nagaland, Manipur, Mizoram & Tripura, Odisha and Gangetic West Bengal. Thunderstorm accompanied with gusty winds very likely at isolated places over north Coastal Andhra Pradesh, interior Tamilnadu, Interior Karnataka and Telangana. Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Marathawada. Heat wave conditions very likely in some parts of Rajasthan and West Madhya Pradesh and at one or two pockets over East Uttar Pradesh and Vidarbha.
- 19 April (Day 3) : Thunderstorm accompanied with squall & hail very likely at isolated places over SubHimalayan West Bengal & Sikkim. Thunderstorm accompanied with gusty

winds very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Kerala and Rayalaseema. Heat wave conditions likely in some parts of Rajasthan and West Madhya Pradesh and at one or two pockets over East Uttar Pradesh and Vidarbha.

- 20 April (Day 4): Thunderstorm accompanied with squall and hail very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand and SubHimalayan West Bengal & Sikkim. Thunderstorm accompanied with squall very likely at isolated places over Kerala, north Interior Tamilnadu and South Interior Karnataka. Thunderstorm accompanied with gusty winds very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh. Heavy rain likely at isolated places over South Interior Karnataka, Kerala and Interior Tamilnadu.
- 21 April (Day 5): Thunderstorm accompanied with squall likely at isolated places over Jammu & Kashmir and Himachal Pradesh. Thunderstorm accompanied with gusty winds likely at isolated places over Uttarakhand, Kerala and north Coastal Andhra Pradesh.
- The weather outlook for the period of seven days i.e 15 to 23 April 2018 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) rain/thundershower may occur over Kerala, Tamilnadu, Odisha & Andaman & Nicobar Islands and North eastern States. (Fig. 2).

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

### **Uttarakhand**

#### **Weather condition**

Light rainfall received in Uttarakhand during past few days. Minimum and maximum temperature was observed above normal.

#### **Contingency measure:**

- Rain/Snowfall is predicted for next 2-3 days in most of the districts of the state. The harvesting of timely sown wheat crop in lower regions is advised. Adequate drying of harvested grains before storage should be done.
- Farmers are advised for harvesting of the matured mustard when 75-80 percent of the pods (Siliqua) turn parchment brown in colour is the right time for harvest. After harvesting of rabi crops sowing of green manure crop is advised where harvesting of rabi crop is over.
- Advised to complete sowing moong and mash in irrigated areas advised. In rainfed region ensure proper moisture before sowing for optimum germination. Advised to sow chari and bajra for summer green fodder.

SAT :INSAT-3D IMG  
IMG\_TIR2 12.0 um  
LIC Mercator (LINEAR STRETCH: 1.0% )

17-04-2018/09:30 GMT  
17-04-2018/15:00 IST

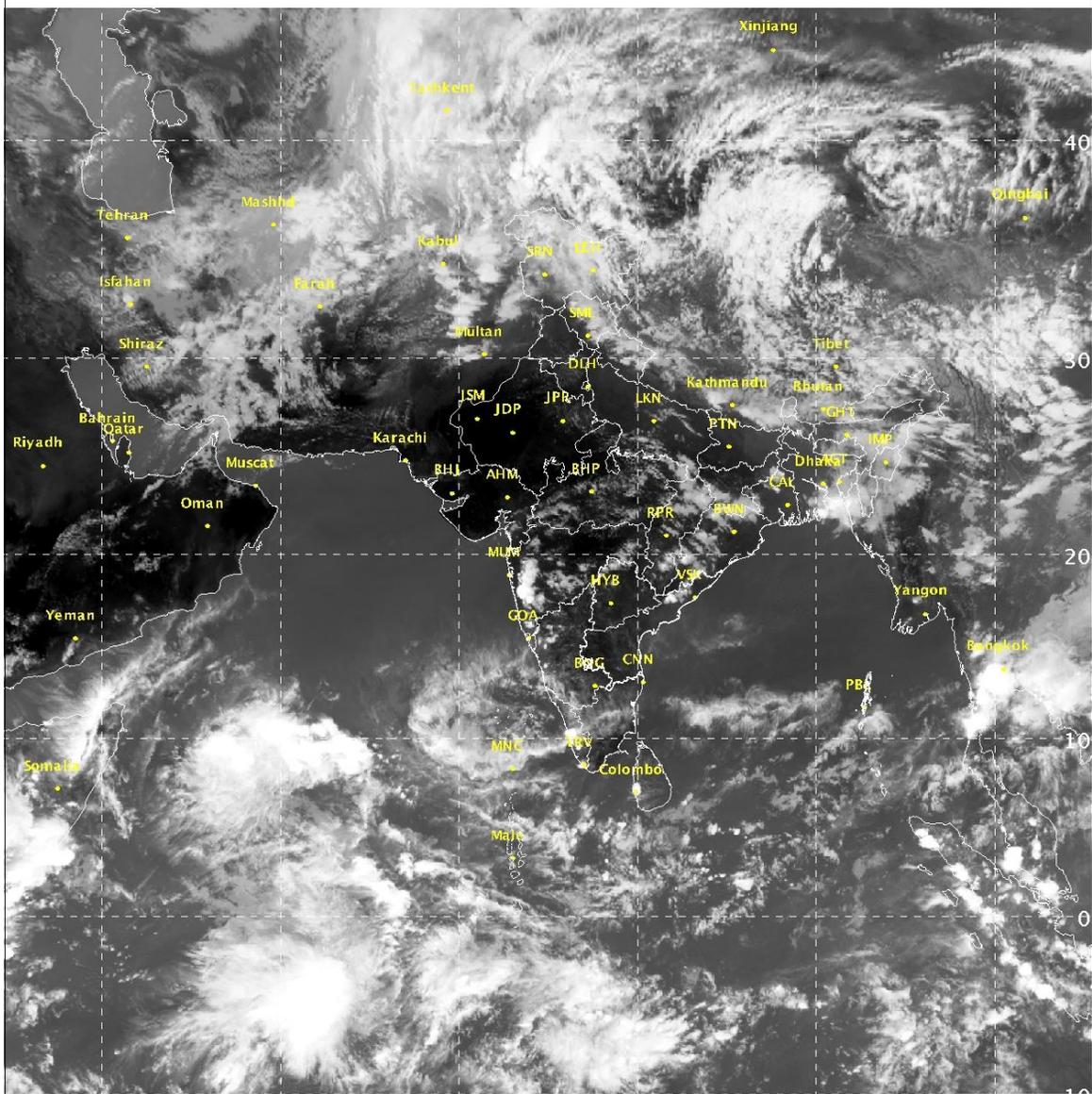
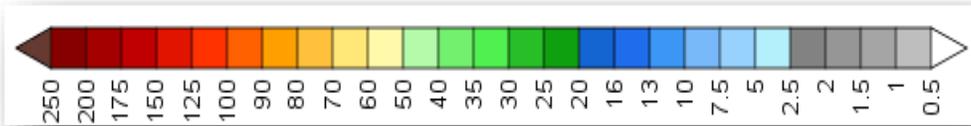
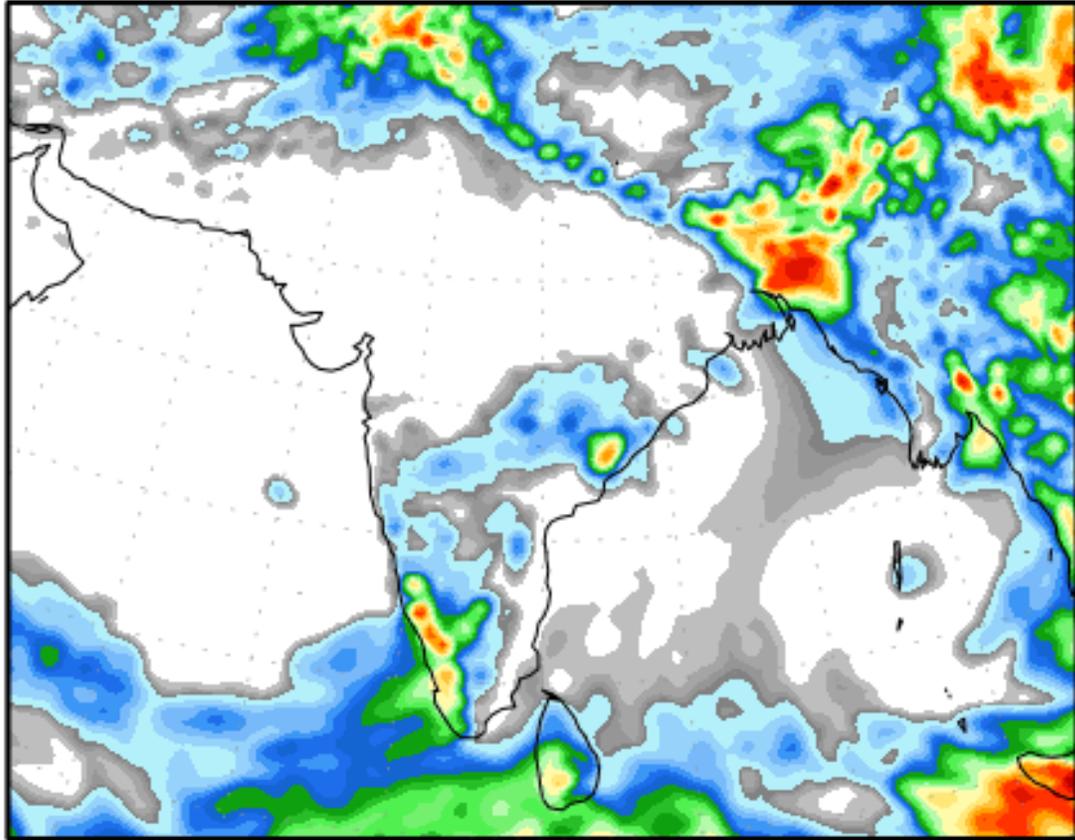


Figure: 1. Latest available satellite picture as on 17 April 2018 at 1500 Hrs (IST). (Source: IMD).



**Figure: 2. Precipitation forecast for 17 to 25 April 2018 (Source: NOAA NCEP).**