

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 04 May 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The severity of convection over northwest India is likely to reduce from today and remain so during next 48 hours. However, a fresh Western Disturbance and consequent changes in the wind pattern is likely to cause isolated thunder squalls and hailstorms over Western Himalayan Region and thunderstorms, squalls/dust storms over northern plains during 6th-9th May. Isolated dust storms are likely to continue over parts of Rajasthan during 4th-8th May.
- Conducive conditions for isolated thundersqualls and heavy rainfall prevails over northeast India and over south Peninsula during next 34 days.
- Thunderstorm observed at isolated places over SubHimalayan West Bengal & Sikkim, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura from 0830 to 1430 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 observed at most places over Kerala, South Interior Karnataka, Rayalaseema, SubHimalayan West Bengal & Sikkim and Andaman & Nicobar Islands; at many places over Jammu & Kashmir, Himachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Coastal Andhra Pradesh and Telangana, at a few places over Tamilnadu & Puducherry, Coastal Karnataka, Assam & Meghalaya and at isolated places over East Rajasthan, East Madhya Pradesh, Uttar Pradesh, Haryana, Chandigarh & Delhi, Vidarbha, Odisha, Uttarakhand, Punjab, Arunachal Pradesh, Jharkhand and North Interior Karnataka. Amount of rainfall recorded at 0830 hours IST of today (3 cm or more) are: Kangeyam14; Attur13, Kalimpong and Vijayawada5 each; Tirupathi6; Bangaluru and Vellore4 each; Balurghat, Tuni, Hassan, Arogyavaram, Coonoor, Kodaikanal, Periakulam and Kochi3 each.
- Maximum temperature departures as on 03052018: Maximum temperatures were above normal (1.6°C to 3.0°C) at most places over East Rajasthan; at many places over west Madhya Pradesh and Marathwada; at a few places over Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Assam & Meghalaya and Coastal & Interior Karnataka and at isolated places over Vidarbha, Kerala & Tamilnadu & puducherry. They were markedly

below normal (5.1°C or less) at most places over East Uttar Pradesh and Jharkhand; at many places over Chhattisgarh; at a few places over Himachal Pradesh and Bihar; at isolated places over Jammu & Kashmir, Odisha and coastal Andhra Pradesh; appreciably below normal (3.1°C to 5.0°C) at most places over Haryana, Chandigarh & Delhi; at many places over Punjab; at a few places over west Bengal & Sikkim and at isolated places over Telangana; below normal (1.6°C to 3.0°C) at many places over Telangana and at isolated places over Vidarbha. Yesterday, the highest maximum temperature of 46.0°C was recorded at Phalodi (West Rajasthan).

- Minimum temperature departures as on 04/05/2018: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at many places over West Rajasthan; above normal (1.6°C to 3.0°C) at most places over Punjab; at many places over Gujarat, East Rajasthan and Haryana. They are appreciably below normal (3.1°C to 5.0°C) at most places over Telangana & Rayalaseema; at a few places over Vidarbha and Coastal Andhra Pradesh; at isolated places over Himachal Pradesh, West Uttar Pradesh, Odisha and Tamilnadu & Puducherry. below normal (1.6°C to 3.0°C) at many places over East Uttar Pradesh, Jharkhand and Chhattisgarh; at a few places over Lakshadweep and at isolated places over Madhya Pradesh, Bihar, Madhya Maharashtra, Coastal & South Interior Karnataka, Kerala and SubHimalayan West Bengal & Sikkim and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 04 May (Day 1): Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and West Bengal. Thunderstorm accompanied with gusty winds very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Punjab, Bihar, Jharkhand, Sikkim, Odisha, northwest Madhya Pradesh, Telangana, Rayalaseema, north coastal Andhra Pradesh, Interior Tamilnadu and Kerala. Heavy rain very likely at isolated places over Tamilnadu and Kerala. Dust storm/ Thunderstorm very likely at isolated places over Rajasthan.
- 05 May (Day 2): Thunderstorm accompanied with squall very likely at isolated places over Uttarakhand, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, SubHimalayan West Bengal & Sikkim. Thunderstorm accompanied with gusty winds very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Punjab and Gangetic West Bengal. Heavy rain very likely at isolated places over Assam & Meghalaya and Tripura. Dust storm very likely at isolated places over Rajasthan.
- 06 May (Day 3): Thunderstorm accompanied with squall and hail very likely at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand. Thunderstorm accompanied with squall very likely at isolated places over SubHimalayan West Bengal & Sikkim. Thunderstorm accompanied with gusty winds very likely at isolated places over north Coastal Andhra Pradesh, Punjab and West Uttar Pradesh. Heavy to very heavy rain very likely at isolated places over south Assam & Meghalaya; heavy rain very likely at isolated places over Tripura. Heat wave conditions likely at one or two pockets over Vidarbha.

- 07 May (Day 4): Thunderstorm accompanied with squall and hail very likely at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand. Thunderstorm accompanied with squall very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, SubHimalayan West Bengal & Sikkim, South Interior Karnataka and Tamilnadu. Thunderstorm accompanied with gusty winds very likely at isolated places over East Uttar Pradesh. Heavy rain very likely at isolated places over Assam & Meghalaya and Tripura. Dust storm/ Thunderstorm very likely at isolated places over Uttar Pradesh and Rajasthan. Heat wave conditions likely at one or two pockets over Vidarbha.
- 08 May (Day 5): Thunderstorm accompanied with squall likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh, South Interior Karnataka and Tamilnadu. Thunderstorm accompanied with gusty winds likely at isolated places over East Uttar Pradesh and Kerala. Heavy rain very likely at isolated places over Tamilnadu, South Interior Karnataka and Kerala. Dust storm/ Thunderstorm at isolated places over Uttar Pradesh and Rajasthan. Heat wave conditions likely at one or two pockets over Vidarbha..
- The weather outlook for the period of seven days *i.e* 04 to 11 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, Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh, East Rajasthan, Sub Himalayan West Bengal & Sikkim, Gangetic West Bengal, Bihar, Jharkhand, Madhya Pradesh, Chhattisgarh, Odisha, Vidharbha, Kerala, South Interior Karnataka, Coastal Andhra Pradesh Rayalaseema, Tamilnadu Andaman Islands and North eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Western Uttar Pradesh

Weather condition

Dry weather prevailed over Western Uttar Pradesh state during this past few days. Both maximum and minimum temperatures are above normal by 1.0 to 2.0 °C.

Contingency measure:

- Wheat: Farmers are advised to harvest their crop and tying bundles immediate and threshing should be done during evening or early morning.
- Barley :Threshing and winnowing should be completed as earlier. Zaid maize: Irrigation and weeding. Pigeon pea: Harvest mature crop and threshing should be done.
- Gram: Threshing should be done. Zaid Urd: Light irrigation should be applied after 20 -25 days of sowing and weeding should be done at optimum moisture by hand hoe. Weeds should be used as mulch. Remove Mosaic infested plant and destroyed.Zaid Moong:

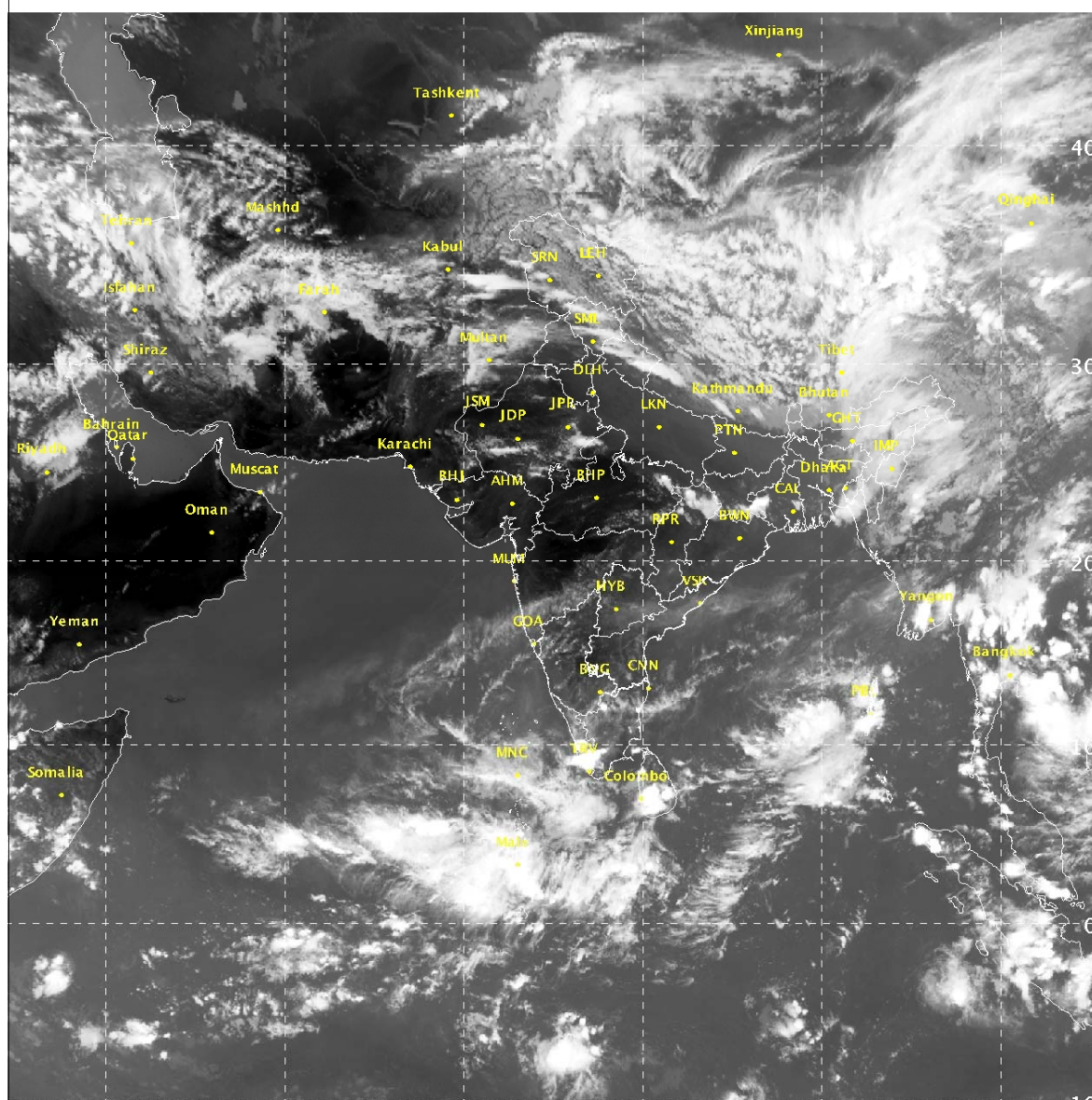
Weeding should be done after 20 days of sowing. Light irrigation should be applied after 20 to 25 days of sowing.

- Sun flower: Weeding should be done and moisture should be maintained. Cross pollination should be done at morning through Muslin cloth wrapped hand.
- Brinjal / Chilies: Pick up mature fruits in standing crop. Light irrigation should be given at evening. Leafy Vegetable: Cutting , marketing , light irrigation should be given at evening.
- MP Chari / Mucchari /Pearl-millet: Sowing of SSG-988-898, PC-23 ,SSG-59 -3 and MP chari @ 30-40 kg seeds /ha. Light irrigation applied after 20 days of sowing. Sowing should be Pearl-millet varieties such as Raj-171, L-72 and L-74 done.
- Animal: To protect from heat waves and bathing should be done at morning and evening. Balanced diet should be given for milch animal and Vaccinate Foot and Mouth disease and concerned near Veterinary hospital in need.

04-05-2018/10:30 GMT

04-05-2018/16:00 IST

L1C Mercator (LINEAR STRETCH: 1.0%)



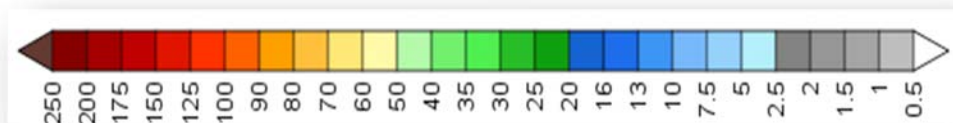
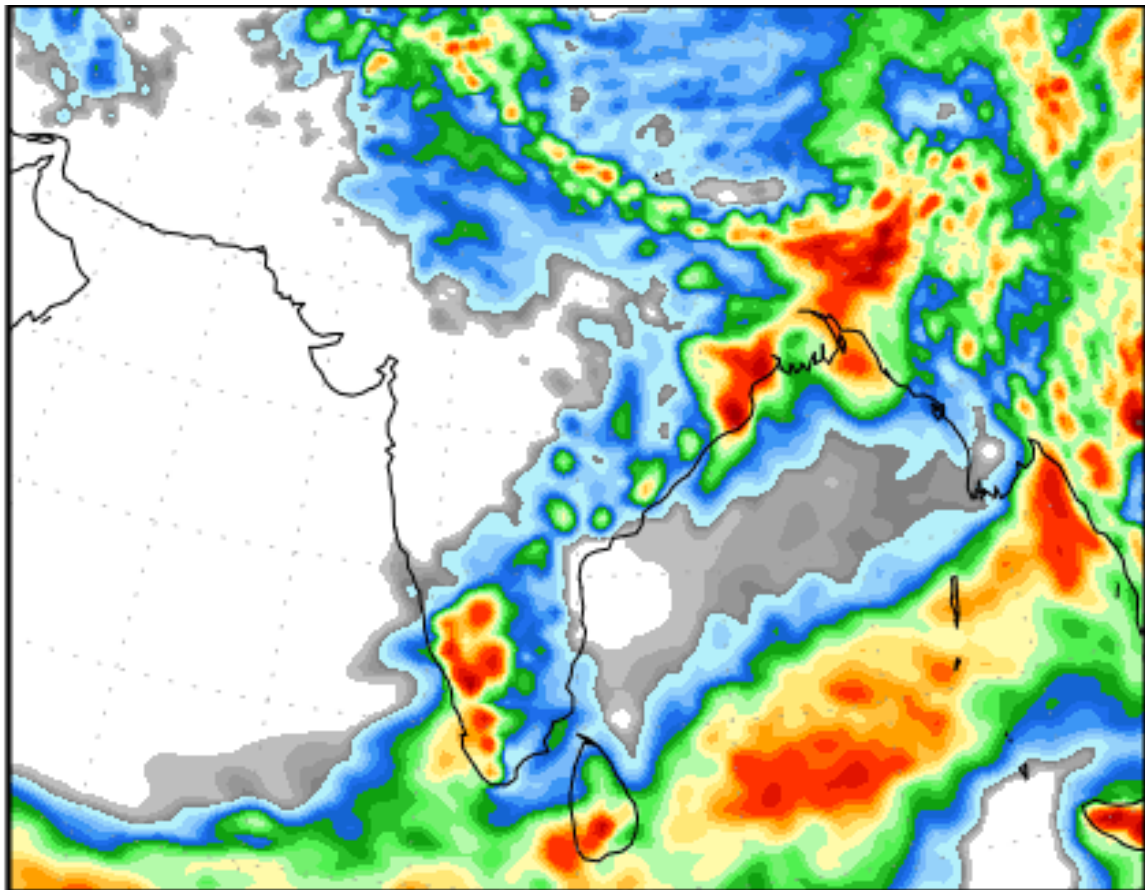


Figure: 2. Precipitation forecast for 04 to 11 May 2018 (Source: NOAA NCEP).