

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

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

### **Daily Crop Weather Information as on 22 February 2018**

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

- Under the influence of a Western disturbance, light to moderate, isolated rainfall / snowfall activity very likely over Jammu & Kashmir during next 24 hours. Another Western disturbance is likely to affect Western Himalayan region and adjoining plains of northwest India from 23rd to 25th February. The system is likely to cause heavy rainfall / snowfall over Jammu & Kashmir and Himachal Pradesh and Thunderstorm accompanied with hailstorm over Western Himalayan region, plains of northwest India, peninsular and central parts of India during 23rd to 24th February.
- Day maximum temperatures of more than or equal to 35°C are reported over Gujarat, Rajasthan, Maharashtra, Kerala, Chhattisgarh and Odisha yesterday.
- The images showing the latest satellite picture in figure. 1.

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

- Rainfall recorded (from 0830 hours IST of yesterday to 0830 hours of today ): Light rain / snow observed at a few places over Jammu & Kashmir; at isolated places over Himachal Pradesh, Uttarakhand & East Rajasthan. Rain / Thundershowers observed at isolated places over Andaman & Nicobar Islands.
- Maximum temperature departures as on 21.02.2018: Maximum temperatures were markedly above normal (5.1°C or more) at many places over Jammu & Kashmir, Himachal Pradesh, Haryana, Chandigarh & Delhi and Rajasthan; appreciably above normal (3.1°C to 5.0°C) at most places over Gujarat; at many places over Uttarakhand, Punjab, Madhya Pradesh and West Uttar Pradesh; at a few places over Assam & Meghalaya and above normal (1.6°C to 3.0°C) at many places over Vidarbha, Madhya Maharashtra, Marathwada, Coastal Karnataka, Chhattisgarh, Jharkhand and Odisha at a few places over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, West Bengal & Sikkim, East Uttar Pradesh, Konkan & Goa and Andaman & Nicobar Islands and near normal over rest parts of the country.
- Yesterday, the lowest maximum temperature of 25.3°C was recorded at Amritsar ( Punjab) in the plains of the country.
- Minimum temperature departures as on 22.02.2018: Minimum temperatures are appreciably below normal (3.1°C to 5.0°C) at a few places over Rayalaseema; at isolated places over Tamilnadu & Pudducherry; below normal (1.6°C to 3.0°C) at many places over Odisha & Coastal Andhra Pradesh; at a few places over Chhattisgarh, rest Tamilnadu & Pudducherry; at isolated places over Bihar, Vidarbha & South Interior Karnataka. They are markedly above

normal (5.0°C or more) at many places over Rajasthan; appreciably above normal (3.1°C to 5.0°C) at most places over Uttarakhand; at many places over Jammu & Kashmir, Punjab, Haryana, Chandigarh & Delhi, West Uttar Pradesh & Marathawada; at a few places over Himachal Pradesh, West Madhya Pradesh, Gujarat, Madhya Maharashtra, Sub Himalayan West Bengal & Sikkim; above normal (1.6°C to 3.0°C) at many places over North Interior Karnataka, Andaman & Nicobar Islands; at a few places over East Uttar Pradesh, Konkan & Goa, East Madhya Pradesh, Telangana, Gangetic West Bengal, Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura; at isolated places over Assam & Meghalaya and near normal over rest parts of the country.

- The lowest minimum temperature of 8.0°C recorded at Pachmarhi (West Madhya Pradesh) in the plains of the country.

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

- 22 February (Day 1): Thunderstorm accompanied with hailstorm likely at isolated places over Sikkim.
- 23 February (Day 2): No Weather Warning.
- 24 February (Day 3): Heavy rain/snow likely at isolated places over Jammu & Kashmir and Himachal Pradesh. Thunderstorm accompanied with hailstorm likely at isolated places over Jammu division, Himachal Pradesh, Uttarakhand, Punjab, Haryana & Chandigarh, Uttar Pradesh, North Rajasthan, West Madhya Pradesh, north Madhya Maharashtra, Marathawada & Vidarbha.
- 25 February (Day 4): No Weather Warning.
- 26 February (Day 5): Thunderstorm accompanied with Gusty winds likely at isolated places over Tamilnadu & Pudducherry.
- The weather outlook for the period of seven days *i.e.*, 22 February to 1 March 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, East Rajasthan and Andaman & Nicobar Islands. (Fig. 2).

## Agricultural activities (AICRPAM-CRIDA)

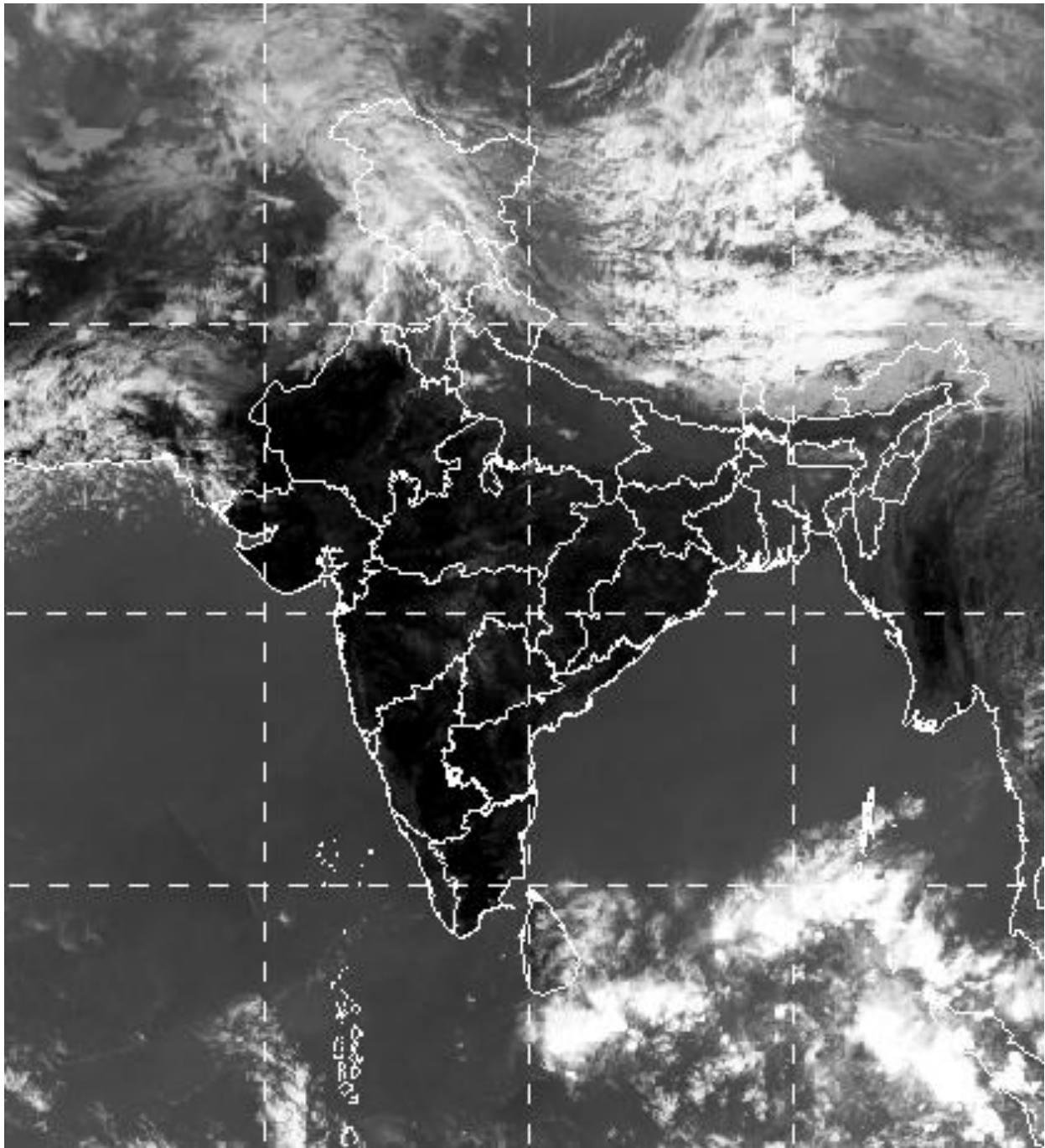
### **Rajasthan**

#### **Weather condition**

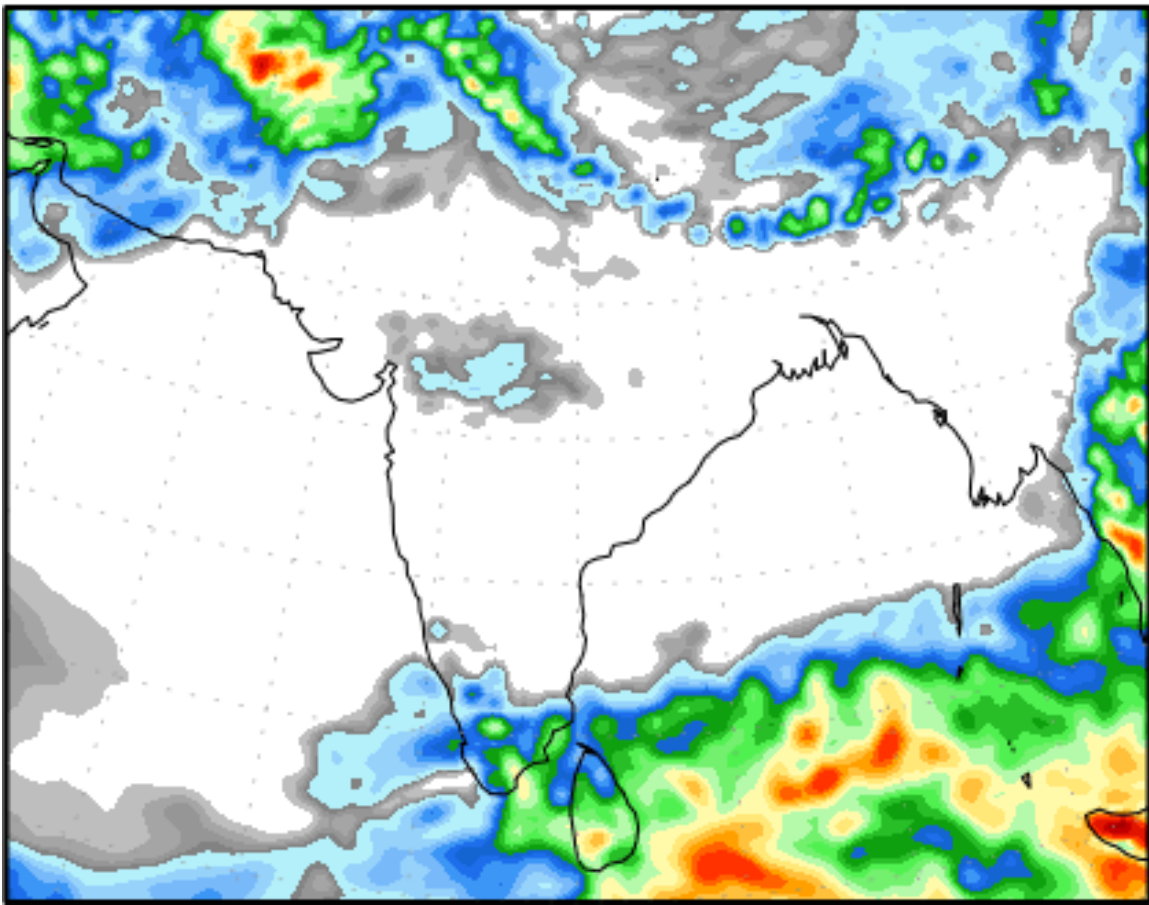
Cool and dry weather with gradually increase in day temperature was recorded in Rajasthan state during past few days. The Maximum temperature ranged from 24.0 to 30.5 °C with mean value of 26.8 °C which is 0.4 °C above the normal value. The minimum temperature ranged from 7.1 to 10.6°C with mean value of 9.0 °C which is 1.1 °C above the normal value.

#### **Contingency measure:**

- Irrigation should be done in wheat at grain filling to milking stage and at dought stage in barley. Constant monitoring of late mustard crop against attack of stem rot and white rust is advised. If symptoms are found, spraying of Indofil-M 45 @ 2.0 ml\litre water is advised. In present weather condition constant monitoring of aphid is advised in mustard crop. If insect population is above ETL, spraying of Dimethoate 30 EC or Quinalphos 25 EC @ 2.0 ml\litre water is recommended.
- Start fields preparation for sowing of summer groundnut crop. Improved varieties are- TAG-24, DH-86, GG-2, TG-37A and Pratap Raj Groundnut. Seed rate- 100-120kg/ha. For monitoring of the pod borer in the gram crop, farmers are advised to install Pheromone trap @ 3-4 traps per acre, if flowering has reached 20-25%. ?T? shaped bird perches in and around crop field to be installed for controlling insect population.
- Keeping temperature in view, start field's preparation for sowing of early crop of ladies finger- A-4, Parbani Kranti and Arka anamika cultivars. Seed rates should be 10-15 kilogram per acre.
- Due to favourable temperature during the week farmers are advised for sowing of cucurbitaceous, chilli, tomato and brinjal crops in the nursery and transplanting of young seedlings of tomato, chilli and cole crop may be done in this week.
- Arrangement of good quality of seed should be done from certified agency. Where irrigation facilities is available plantation of citrus, ber, guava, pomegranate and anola should be done in month of February.



**Figure 1** : Latest available satellite picture as on 22 February 2018 at 1730 Hrs (IST). (Source: IMD).



**Figure 2** : Precipitation forecast for 22 February to 1 March 2018 (Source: NOAA NCEP).