

**All India Coordinated Research Project on Agrometeorology, CRIDA,  
Santoshnagar, Hyderabad – 500 059**

**Daily Crop Weather Information as on 22 November 2017**

**Significant Weather Features (IMD)**

- Cold wave conditions are prevailing at isolated places over Haryana, Chandigarh, Delhi & Uttar Pradesh.
- Heavy rain occurred at isolated places over Tamilnadu.
- The prevailing and forecast wind pattern suggest that cold wave conditions are very likely to prevail at isolated places over east Rajasthan and West Uttar Pradesh during next 24 hours and at isolated places over east Uttar Pradesh during next 48 hours.
- Moderate to dense fog observed at isolated places over Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, East Uttar Pradesh, Odisha and Assam & Meghalaya. The Lowest Visibility (<500 M) observed at Sundernagar 200M and Dibrugarh, Kailashahar, Ludhiana, Pantnagar, Fursatganj, Phulbani and North Lakhimpur 500M each from 0530 to 0830 hours IST of today.
- The images showing the latest satellite picture in figure. 1.

**Main Weather Observations (IMD)**

- At most places over Andaman & Nicobar Islands.
- At a few places over Kerala and Tamilnadu & Puducherry.
- At isolated places over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Anipur, Mizoram & Tripura, South Konkan & Goa, Madhya Maharashtra, Marathwada, Vidarbha, Coastal Andhra Pradesh, Telangana, Karnataka and Madhya Pradesh.
- Amounts of rainfall recorded at 0830 hours IST of today (1 cm or more) are: Papanasam 11, Long Islands & Punalur 5 each; Mayabandar & Port Blair 3 each; Car Nicobar, Nancowry & Kodaikanal 2 each and Nagapattinam & Vallanikara 1 each.
- Maximum temperature departures as on 21/11/2017: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Coastal Andhra Pradesh and Telangana; above normal (1.6°C to 3.0°C) at most places over Andaman & Nicobar Islands; at many places over Tamilnadu & Puducherry, Interior Karnataka and Rayalaseema; at a few places over Coast Karnataka, Vidarbha,

Chhattisgarh, Assam & Meghalaya and Kerala and at isolated places over Marathwada and Odisha. They were appreciably below normal (3.1°C to 5.0°C) at many places over East Rajasthan; at a few places over Jammu & Kashmir, Uttar Pradesh, Haryana, Chandigarh & Delhi and West Madhya Pradesh and at isolated places over Himachal Pradesh, Uttarakhand and Punjab; below normal (1.6°C to 3.0°C) at most places over West Rajasthan; at many places over Bihar and Gujarat Region; at a few places over East Madhya Pradesh and Saurashtra & Kutch and at isolated places over West Bengal & Sikkim and near normal over rest parts of the country.

- Minimum temperature departures as on 22/11/2017: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at most places over Vidarbha & Telangana; at a few places over Madhya Pradesh; above normal (1.6°C to 3.0°C) at most places over Coastal Andhra Pradesh & Tamilnadu & Puducherry; at many places over Karnataka, Rayalaseema, Chhattisgarh and Assam & Meghalaya; at many places over Odisha, Sub-Himalayan West Bengal & Sikkim, Kerala & Arunachal Pradesh and at isolated places over Madhya Maharashtra & Konkan & Goa. They are appreciably below normal (3.1°C to 5.0°C) at many places over Bihar & Gangetic West Bengal and at a few places over Uttar Pradesh; below normal (1.6°C to 3.0°C) at many places over Saurashtra & Kutch and at a few places over West Rajasthan, Punjab and Haryana, Chandigarh & Delhi. The lowest minimum temperature of 4.5°C recorded at Churu & Sikar (Rajasthan) in the plains of the country.

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

- 22 November (Day 1): Cold wave conditions very likely to prevail at isolated places over East Rajasthan and Uttar Pradesh.
- Moderate to dense fog at isolated places very likely over Assam & Meghalaya and Nagaland, Manipur Mizoram & Tripura.
- Heavy rain very likely at isolated places over Andaman & Nicobar Islands and South Coastal Tamilnadu.
- 23 November (Day 2): Cold wave conditions very likely to prevail at isolated places over East Uttar Pradesh.
- Heavy rain very likely at isolated places over Andaman & Nicobar Islands and South Coastal Tamilnadu.
- 24 November (Day 3): No weather warning.
- 25 November (Day 4): No weather warning.

- 26 November (Day 5): Heavy rain likely at isolated places over South Coastal Tamilnadu.
- The weather outlook for the period of seven days *i.e* 22 November to 30 November 2017 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Southern parts of Peninsular India and Andaman & Nicobar Islands (Fig. 2).

### Agricultural activities (AICRPAM-CRIDA)

#### Gujarat

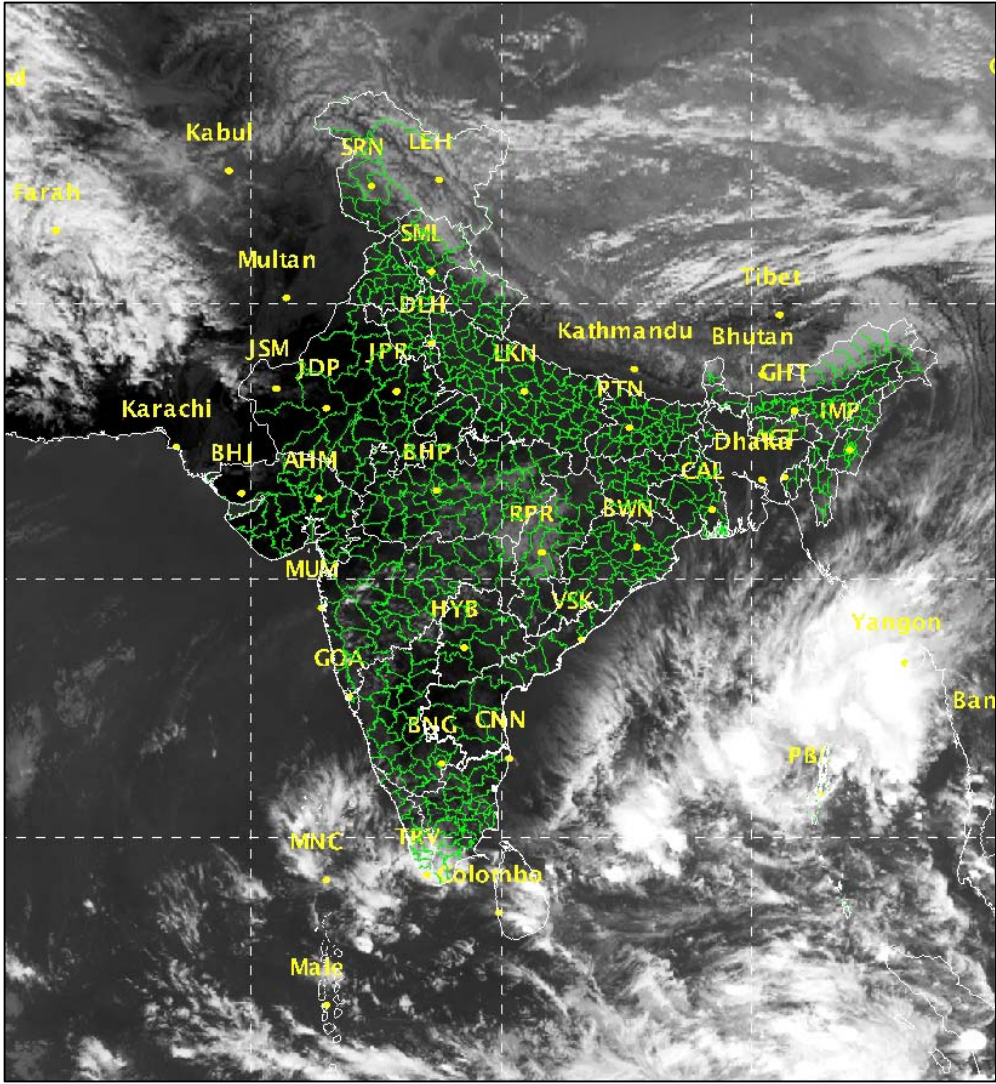
##### **Weather condition:**

No rainfall received over Gujarat State during past few days. The maximum and minimum temperatures were ranged between 31.2-33.5°C and 12-16°C, respectively.

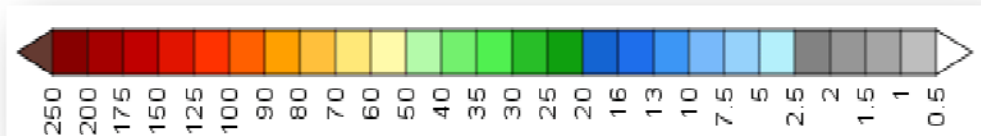
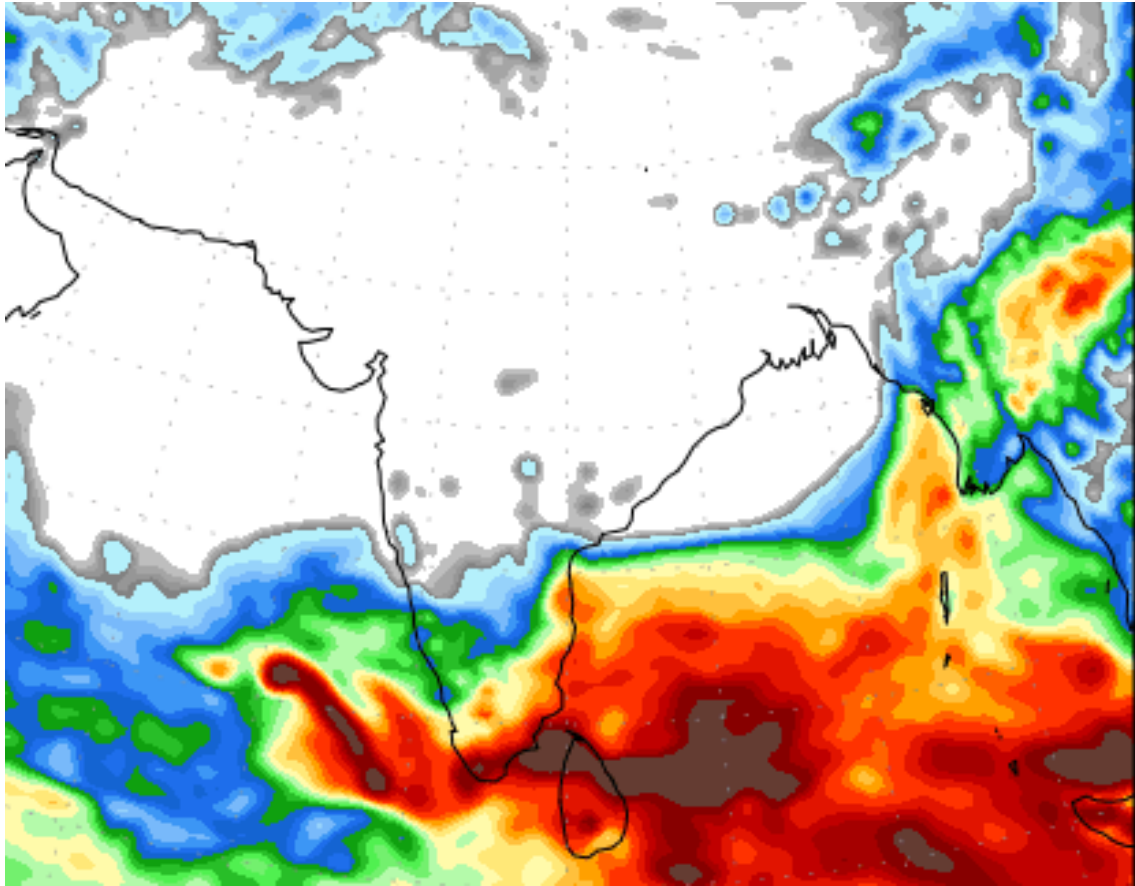
##### **Contingency measure:**

- Wheat: Sowing: Sowing of GW - 496, GW - 503, GW - 273, GW - 322, GW - 451 @ 22.5 cm spacing using seed rate @ 100 - 120 kg/ha. Application of 60 kg Nitrogen, 60 kg Phosphorus and 60 kg potash per hectare as basal fertilizer application should be recommended.
- CASTOR: Flowering/Fruit Setting :If there is attack of semi lopper, spraying of Chloropyrifos 20 E.C. @ 10 ml/10 liter water will be effective.
- Vegetables: Flowering / Reproductive : For the control of White fly/Aphid Spray neem seed extract 500 ml or neem seed oil 50 ml in 10 liter of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Mustard : As there is starting of winter Farmers are advised to sow rapeseed varieties Varuna, Gujarat Mustar-1, 2 and 3 to escape mustard sawfly and thrip epidemic.
- Rabi Maize: Sowing: Sowing of variety Ganga safed - 2, GM - 6 at 60 x 20 cm sowing distance with an application of 21 kg Urea and 130 kg DAP as basal fertilizer application.
- Gram: Sowing: Select variety like Dahod yellow, GG-1, 2 or ICC-4 and sow at 30 x 10 cm spacing @ 60 kg / ha seed rate.
- Chilli: Growth : Thrips: Triazophos 40EC or Acephate 75 SP 10 ml per 10 lit water should be sprayed.
- Potato : Sowing : Deep ploughing 2-3 times and make furrow at 45 cm for sowing of potato.
- Cotton : Harvesting : Pick the cotton during morning hours before evaporation of dew for better quality.

- Cattle : Keep animal shed hygienic and clean to avoid flies and mosquitoes. Keep indoor at night time. Protect from cold wind. Give dry fodder twice a day. Give warm drinking water thrice in a day. FMD vaccination should be done.



**Figure: 1. Latest available satellite picture as on 22 November 2017 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 22 November to 30 November 2017 (Source: NOAA NCEP).**