

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

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

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

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

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

- Northeast Monsoon rainfall is very likely to commence over southeast Peninsular India around 26th October, 2018.
- The low pressure area over north Andaman Sea & adjoining Myanmar, now lies over Gulf of Martaban & neighbourhood with associated cyclonic circulation extending upto 5.8 km above mean sea level tilting southwestwards with height. It is likely to become more marked during next 12 hours.
- Thunderstorm observed at isolated places over East Madhya Pradesh, Kerala and Tamilnadu & Puducherry from 0830 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 observed at many places over Tamilnadu & Puducherry; a few places over Kerala, Lakshadweep and Andaman & Nicobar Islands and at isolated places over Jammu & Kashmir, East Uttar Pradesh & East Madhya Pradesh.
- Maximum temperature departures as on 21.10.2018: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at many places over Saurashtra & Kutch, Marathwada & Vidarbha; at a few places over East Uttar Pradesh; at isolated places over Odisha & Telangana ; above normal (1.6°C to 3.0°C) at most places over West Madhya Pradesh, Konkan & Goa, Coastal Karnataka and Coastal Andhra Pradesh ; at many places over Gangetic West Bengal, Chhattisgarh, Madhya Maharashtra and Kerala ; at a few places over Jharkhand, Gujarat region and Rayalaseema ; at isolated places over East Uttar Pradesh & Bihar. They were below normal (1.6° C to 3.0°C) at many places over Haryana, Chandigarh & Delhi; at a few places over Uttarakhand and Andaman & Nicobar Islands; at isolated places over Jammu & Kashmir, Himachal Pradesh, Assam & Meghalaya, Sub Himalayan West Bengal & Sikkim, Punjab and Tamilnadu & Puducherry and near normal over rest of the country.

- Yesterday, the highest maximum temperature of 40.9°C was recorded at Bhuj Rudramata ( Kutch) over plains of the country.
- Minimum temperature departures as on 22.10.2018: Minimum temperature are appreciably above normal (3.1°C to 5.0°C) at isolated places over Chhattisgarh; above normal (1.6°C to 3.0°C) at a few places over Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Bihar and Andaman & Nicobar Islands ; at isolated places over East Uttar Pradesh, Sub Himalayan West Bengal & Sikkim, Marathwada and Vidarbha. They are appreciably below normal (3.1°C to 5.0°C) at a few places over Jammu & Kashmir and Haryana, Chandigarh & Delhi; at isolated places over Himachal Pradesh & Punjab; below normal (1.6°C to 3.0°C) at many places over Rayalaseema; at a few places over Gangetic West Bengal, Assam & Meghalaya, Odisha and Interior Karnataka; at isolated places over East Rajasthan, Madhya Pradesh, Gujarat region, Coastal Karnataka and Tamilnadu & Puducherry and near normal over rest of the country.
- The lowest minimum temperature of 9.8°C recorded at Pantnagar (Uttarakhand) over plains of the country.

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

- 22 October (Day 1): Heavy rain very likely at isolated places over Tamilnadu & Puducherry and Kerala. Thunderstorm accompanied with lightning & gusty winds very likely at isolated places over Kerala and Tamilnadu & Puducherry. Squally wind speed reaching 40 50 kmph gusting to 60 kmph very likely over north Andaman Sea and adjoining eastcentral Bay of Bengal. Fishermen are advised not to venture into these areas.
- 23 October (Day 2): Thunderstorm accompanied with lightning & gusty winds very likely at isolated places over Kerala and Tamilnadu & Puducherry.
- 24 October (Day 3): No weather warning.
- 25 October (Day 4): No weather warning.
- 26 October (Day 5): Heavy rain likely at isolated places over Tamilnadu & Puducherry.
- The weather outlook for the period of seven days *i.e* 22 to 28 October 2018 forecasted (*Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>*) rain/thundershower may occur over Jammu & Kashmir, East Uttar Pradesh, East Madhya Pradesh, Kerala, Tamilnadu & Puducherry, Lakshadweep, Andaman & Nicobar Islands and North Eastern States. (Fig. 2).

## Agricultural activities (AICRPAM-CRIDA)

### Himachal Pradesh

#### Weather condition

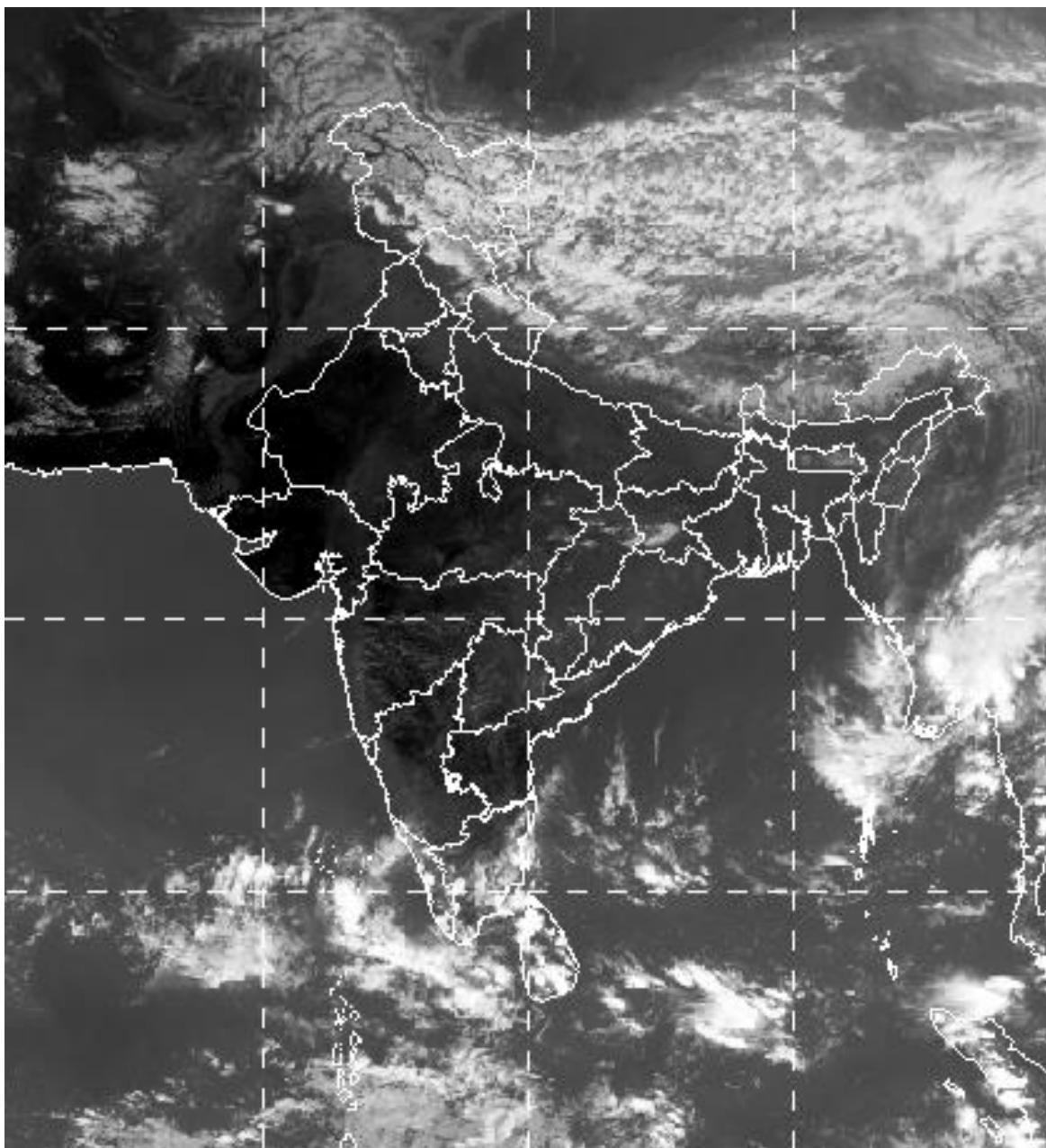
Dry weather prevailed in Himachal Pradesh state during past few days. The maximum temperature ranged between 24.0 to 26.0°C which was above normal by 0.7 to 2.1°C and minimum temperature between 10.5 to 15.0°C which was below normal by 0.2 to 3.5°C.

#### Contingency measure:

- Kharif Crops: After harvesting of maize, paddy and pulses store grains at 12% moisture to avoid the weevils. For the control of rats in the fields put zinc phosphide baits in the live burrows and also add water in the burrows. After harvesting crop should be dried in the field for 2-3 days and thereafter threshing should be done. Grains should be properly dried to right moisture level before storing.
- Rabi Crops: Before rabi crop sowing after cleaning fields add decomposed FYM or compost before sowing of crops and vegetable as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil. Advised mustard sowing. Advised early wheat sowing in lower regions. Early sown varieties of Wheat can be sown during first fortnight of October. For getting optimum yield, a seed rate of 100 kg/ha is recommended. The Seed should be cleaned and graded thoroughly before sowing. Shriveled & small wheat grains and weed seeds should be removed.
- High Altitude Areas: Also keep fields weed free for good yield in high hills regions. Peas, cabbage and cauliflower can be harvested for sale in the markets.
- Fodder Crops: Sowing berseem, lucerne and oats for fodder of Rabi season also advised. Mix seed of gobhi sarson to have nutritious production of fodder during first-cut. The lantana weeds in the grasslands may be cut so that regenerated growth during September can be sprayed with 1% glyphosate for its control.
- Vegetable Crops: Cabbage, Knol Khol, Broccoli and Chinese cabbage and direct sowing of radish, carrot, turnip, spinach and fenugreek can be done in mid hill areas of the State. Advised to sow nursery of mid season cauliflower and cabbage in poly house in mid hills and lower region and advised transplanting of cauliflower. POLY
- House Agriculture: Advised tomato, cucumber and capsicum sowing and transplanting. For control of powdery mildew, aphids and spodoptera spray recommended chemicals. One week before sowing of crops, keep yellow sticky trap

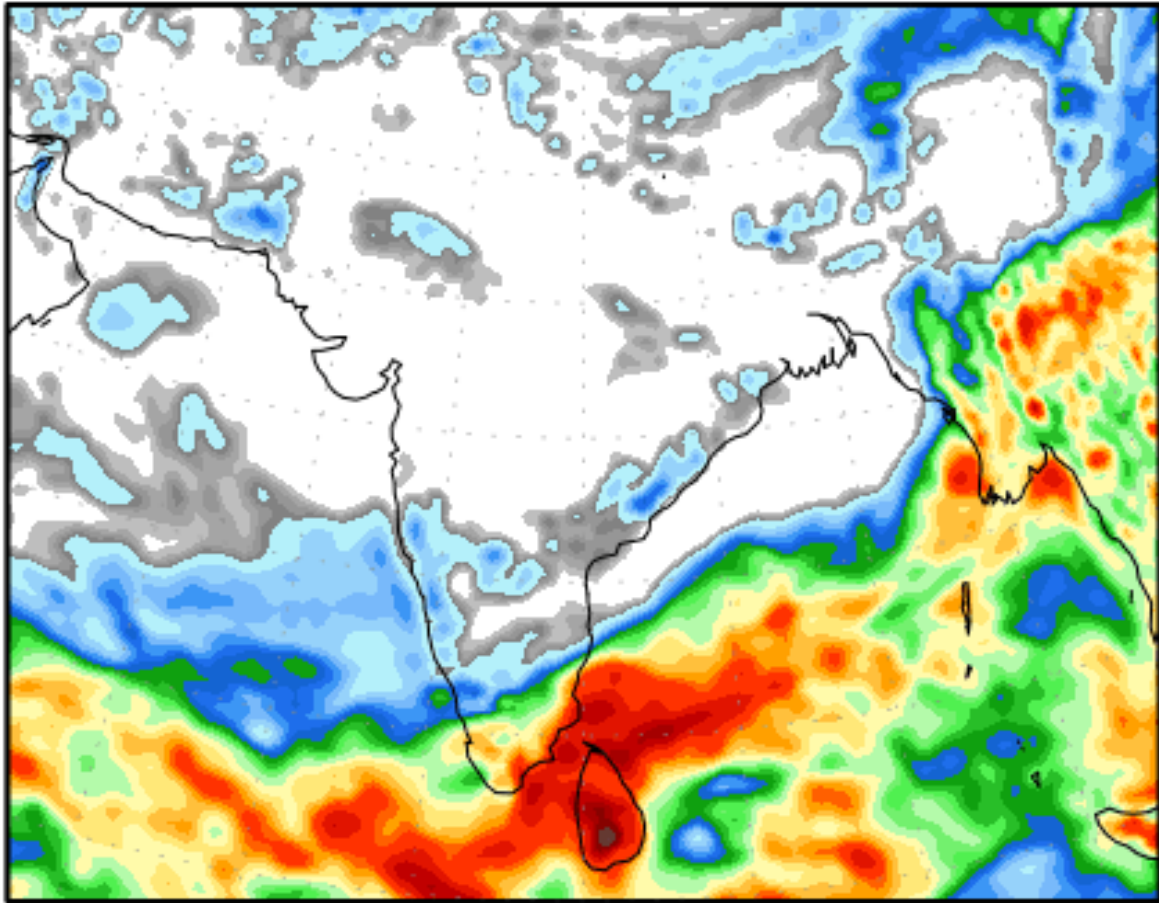
in polyhouse and after transplanting drench plant with amidochloropid. Leaf spot/blight is expected in shimla mirch and tomato for control spray tilt 1ml per liters of water. Staking in tomato is advised. TEA: Continue picking in tea at 8-10 days interval to maintain the quality and productivity. It is optimum time for new plantation of tea plants or for infilling of gaps with new plants. Weather is conducive for attack of blister blight in shady and high humid areas, for precautionary measure spray calixin @0.2% or folicure 0.1% and if attack is severe then repeat spray at 15 days with alternate spray of blitox 0.3% at seven days interval.

- Horticulture: In peach gum is coming out from tree trunk, for control bordeaux paint may be applied in the affected area .Keep the basins of the plants free from weeds Ensuing weather is conducive for the attack of leaf minor in new growth of citrus. For its control, spray 10 ml Matasystox or Malathion 10 ml in 10 litre of water. The new growth appearing below bud union of newly budded plants may be cut. The new growth appearing below bud union may be cut. For control citrus canker, spray malathion 10 ml or metasystox 10 ml per 10 l water. Advised recommended spray of chemicals. Advised planting of strawberry.
- Mushrooms: Dingri can be sown in closed room, maintain temperature of 25-28 degree Celsius and relative humidity of 80-85 % for good crop. Advised to fill compost bags with span for button mushrooms.
- Livestock: Clean the cowshed with phenyle otherwise .it causes mastitis disease to animals. Weather is conducive for etc. ticks and mites attack on animals. For control spray Butox @ 2.0 ml per litres of water. Add mineral mixture in dry hay for feeding to animals in these days. Advised to get your calves disbudded within 7-10 days after calving. Consult local veterinarian for the control of ecto as well as endo parasites in animals, especially calves. The weather is suitable for the attack of pink eye disease in newly born calves, for control prepare the solution of 1% boric acid in boiled water and wash eyes at regular interval of three hours.



**Figure: 1. Latest available satellite picture as on 22 October 2018 at 0230 Hrs (IST).  
(Source: IMD).**





**Figure: 2. Precipitation forecast for 22 to 28 October 2018 (Source: NOAA NCEP).**