

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

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

### **Daily Crop Weather Information as on 09 January 2019**

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

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

- A fresh western disturbance is very likely to cause fairly widespread to widespread rain/snowfall over Western Himalayan region from tomorrow evening/night to 13th January. Fairly widespread rainfall likely over Punjab on 11th & 12th January and Isolated to scattered rainfall over the rest of the plains of northwest India during 10th to 13th January. Peak activity is likely on 12th January, when heavy rain/snow are likely at isolated places over Jammu & Kashmir and Himachal Pradesh.
- Cold wave conditions very likely in some parts of Vidarbha during next 2 days and at isolated pockets over north Madhya Maharashtra tomorrow.
- 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): Light rain/snow observed at isolated places over Jammu & Kashmir, Himachal Pradesh and Arunachal Pradesh. Rain observed at isolated places over Andaman & Nicobar Islands.
- Cold wave conditions prevailed at isolated pockets over Vidarbha and north Madhya Maharashtra. Ground frost conditions prevailed at isolated pockets over Punjab.
- Dense to very dense fog observed at isolated places over Uttarakhand. Moderate fog at isolated places over north Rajasthan. Punjab, Delhi, Uttar Pradesh and West Madhya Pradesh at 0830 hours IST of today.
- Maximum temperature departures as on 08.01.2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at a few places over Sub-Himalayan West Bengal & Sikkim; at isolated places over Assam & Meghalaya and Andaman & Nicobar Islands; above normal (1.6°C to 3.0°C) at many places over Konkan & Goa, Coastal Andhra Pradesh and Rayalaseema; at a few places over Tamilnadu & Puducherry; at isolated places over Saurashtra & Kutch and South Interior

Karnataka. They were markedly below normal (below  $-5.1^{\circ}\text{C}$ ) at isolated places over West Madhya Pradesh; appreciably below normal ( $-3.1^{\circ}\text{C}$  to  $-5.0^{\circ}\text{C}$ ) at a few places over Himachal Pradesh; at isolated places over East Madhya Pradesh; below normal ( $-1.6^{\circ}\text{C}$  to  $-3.0^{\circ}\text{C}$ ) at many places over Gujarat region; at a few places over Jammu & Kashmir; at isolated places over Haryana, Chandigarh & Delhi, Uttar Pradesh, Rajasthan, north Madhya Maharashtra, Vidarbha, Gangetic West Bengal and Telangana and near normal over rest parts of the country.

- Yesterday, the highest maximum temperature of  $35.8^{\circ}\text{C}$  was recorded at Karwar (Coastal Karnataka) over the plains of the country.
- Minimum temperature departures as on 09.01.2019: Minimum temperatures are markedly below normal ( $-5.1^{\circ}\text{C}$  or less) at many places over Vidarbha; appreciably below normal ( $-3.0^{\circ}\text{C}$  to  $-5.0^{\circ}\text{C}$ ) at many places over Telangana; at a few places over West Madhya Pradesh & Marathwada; at isolated places over East Madhya Pradesh & Madhya Maharashtra; below normal ( $-1.6^{\circ}\text{C}$  to  $-3.0^{\circ}\text{C}$ ) at most places over Konkan & Goa; at many places over Lakshadweep; at a few places over Gujarat, Odisha, Interior Karnataka, Coastal Andhra Pradesh and north Tamilnadu & Puducherry; at isolated places over Rajasthan. They are above normal ( $1.6^{\circ}\text{C}$  to  $3.0^{\circ}\text{C}$ ) at isolated places over Jammu & Kashmir and Assam & Meghalaya and near normal over rest parts of the country.
- The lowest minimum temperature of  $1.8^{\circ}\text{C}$  recorded at Adampur (Punjab) over the plains of the country.

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

- 09 January (Day 1): Cold wave conditions very likely in some parts of Vidarbha and at isolated pockets over north Madhya Maharashtra.
- 10 January (Day 2): Cold wave conditions very likely at isolated pockets over Vidarbha.
- 11 January (Day 3): No Weather Warning.
- 12 January (Day 4): Heavy Rain/Snow at isolated places likely over Jammu & Kashmir and Himachal Pradesh.
- 13 January (Day 5): No Weather Warning.
- The weather outlook for the period of seven days *i.e.* 09 to 16 January 2019 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 North Eastern States and Andaman & Nicobar Islands. (Fig. 2).

## Agricultural activities (AICRPAM-CRIDA)

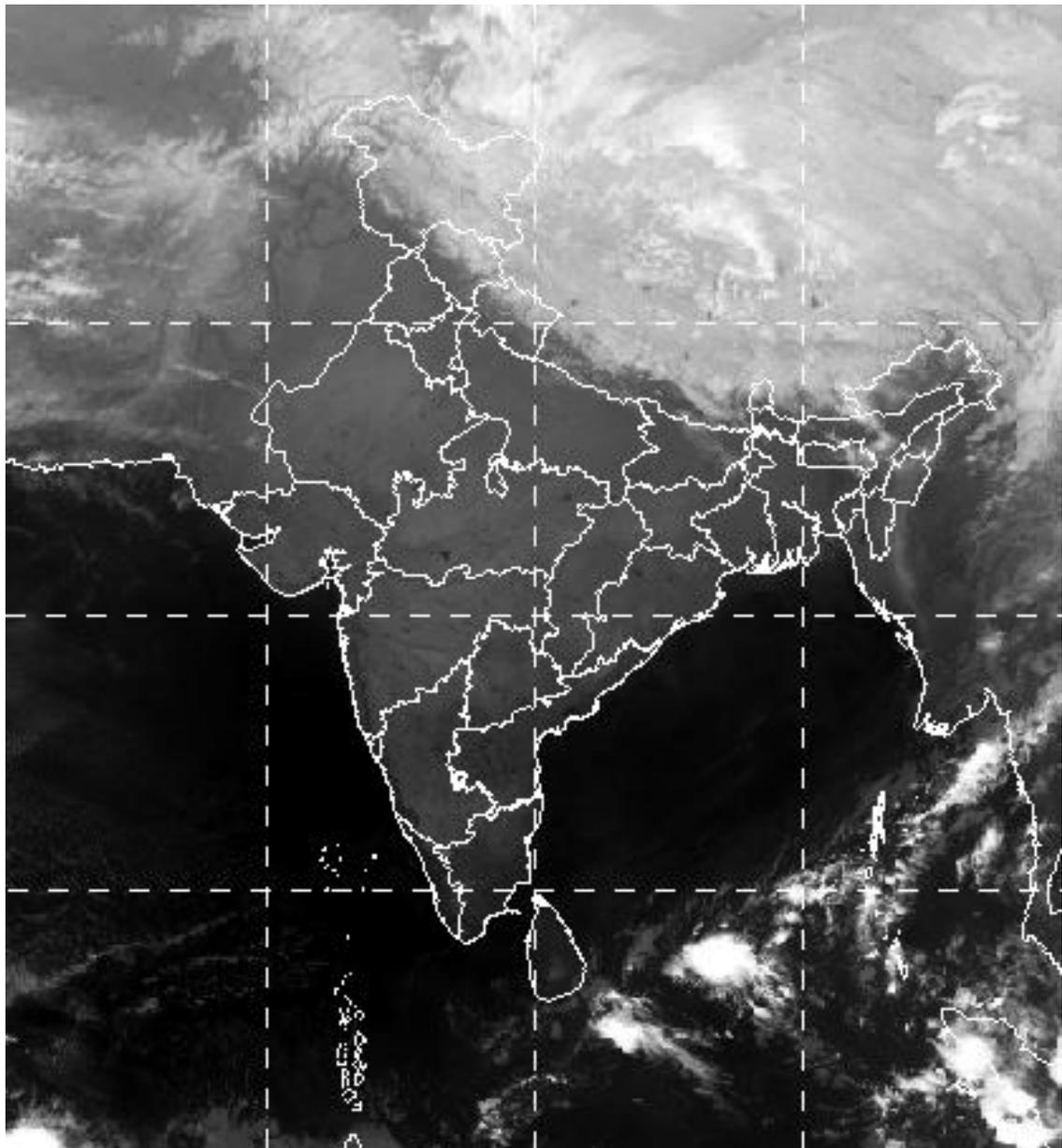
### **Kerala**

#### **Weather condition:**

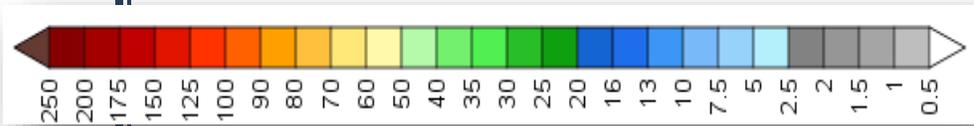
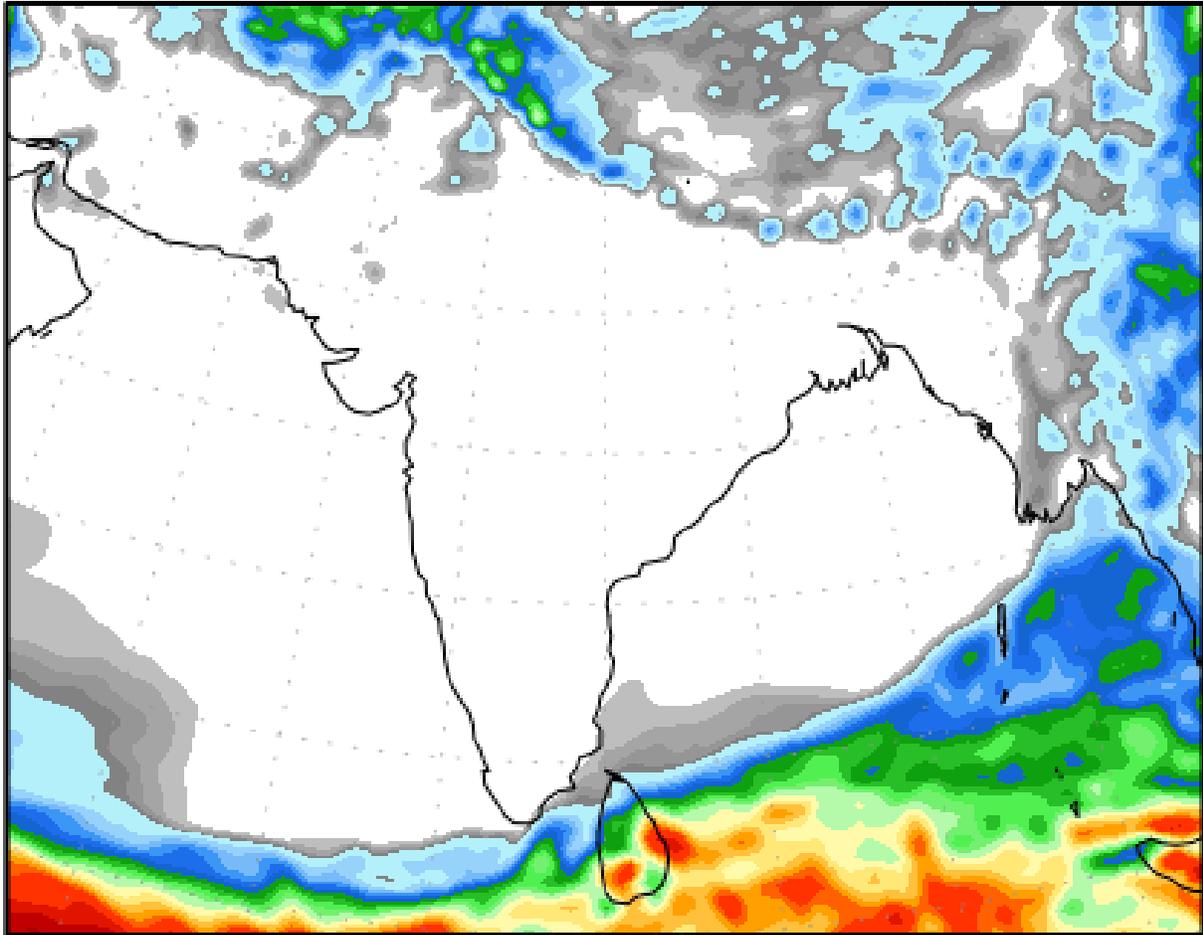
Dry weather prevailed in Kerala state during past few days. Daily maximum temperature ranges from 30.5 to 32.7 °C and minimum temperature ranges from 17.9 to 21.6 °C, respectively.

#### **Contingency measure:**

- Paddy: Panicle initiation stage. Leaf folder: As a prophylactic measure, apply 2CC Trichogramma chilonis card per acre to control leaf folder. Cut the cards in to small pieces and fix in different parts of the field in plastic cups.
- Coconut: Red palm weevil. Coconut palms are seen affected by red palm weevil. After thorough cleaning of the crown region, apply 1 ml imidacloprid per one litre of water at spindle leaf area.
- Vegetables(Cowpea): Stem fly. There is a chance of stem fly in cowpea. Apply 2% neem oil garlic emulsion.
- Animal Husbandry: Mix 30g sodium bicarbonate and 1 teaspoon yeast in the feed daily to avoid digestive disorders associated with excessive acidity. (CAADECCS, KVASU, Mannuthy).



**Figure: 1. Latest available satellite picture as on 09 January 2019 at 0230 Hrs (IST).  
(Source: IMD).**



**Figure: 2. Precipitation forecast for 09 to 16 January 2019 (Source: NOAA NCEP).**