

All India Coordinated Research Project on Agrometeorology

CRIDA, Santoshnagar, Hyderabad – 500 059

Daily Crop Weather Information as on 03 October 2019

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- Isolated rain observed over Western and northwestern parts of India during last 24 hours including Gujarat and Maharashtra. Isolated to scattered rain likely over northwest, Western and central India during next 02-03 days and mainly dry weather likely over Punjab, Haryana and Rajasthan during subsequent 02 days.
- A cyclonic circulation lies over East Uttar Pradesh & adjoining areas of Bihar, Jharkhand & north Chhattisgarh and extends upto 3.1 km above mean sea level. Under the influence of this cyclonic circulation, Bihar is very likely to experience light to moderate rainfall at a few places with isolated heavy falls today and light to moderate rainfall at many places with isolated heavy falls tomorrow, the 04th October. Thereafter rainfall will reduce significantly over Bihar.
- Thunderstorms and lightning and isolated heavy rainfall are likely to remain confined mainly over east and northeast India (East Uttar Pradesh, Bihar, Jharkhand, West Bengal, Odisha and Assam & Meghalaya) during next 2 days. Ghat areas of Maharashtra, Karnataka, Kerala and Tamil Nadu are very likely to experience enhanced thunderstorm activity mainly on 05th and 06th October. Dry weather is likely over parts of northwest India from 07th October.
- The images showing the latest satellite picture in figure. 1

Main Weather Observations (IMD)

- Rain/Thundershowers observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at many places over East Uttar Pradesh and Kerala & Mahe; at a few places over Assam & Meghalaya, West Bengal & Sikkim, Madhya Pradesh, Chhattisgarh, Odisha, Coastal Andhra Pradesh and Tamilnadu and at isolated places over Rajasthan, Gujarat region, Madhya Maharashtra, Interior Karnataka, West Uttar Pradesh, Konkan & Goa, Jharkhand, Bihar and Nagaland, Manipur, Mizoram & Tripura. Rainfall recorded at 0830 hrs IST of today (2 cm or more) are: Cherrapunji-8; Kottayam-7; Bangaluru-6; Rangia, Varanasi and Nalgonda-4 each; Kolkata (Dum Dum), Chittorgarh, Raisen, Kothagudem and Kochin-3 each;

Shillong, Silchar, Shanti Niketan, Canning, Ghazipur, Rewa, Sheopur, Jagdalpur and Kodaikanal-2 each. Heavy rainfall recorded at isolated places over Assam & Meghalaya and Kerala & Mahe. Thunderstorm observed (from 0830 hours IST of yesterday to 0830 hours IST of today): at a few places over Odisha and at isolated places over Assam & Meghalaya, East Uttar Pradesh, Gangetic West Bengal, Coastal Andhra Pradesh, Rayalaseema, West Rajasthan, North & South Interior Karnataka, Jharkhand, Chhattisgarh and Kerala .

- Maximum temperature departures as on 02-10-2019: Maximum temperatures were appreciably above normal (3.1°C to 5.0°C) at isolated places over Kerala & Mahe; above normal (1.6°C to 3.0°C) at most places over Rayalaseema; at many places over Karnataka and Coastal Andhra Pradesh & Yanam; at a few places over Gangetic West Bengal, Jharkhand, Odisha, Tamilnadu, Puducherry & Karaikal and Andaman & Nicobar Islands and at isolated places over Konkan & Goa, Madhya Maharashtra and Lakshadweep. They were markedly below normal (-5.1°C or less) at a few places over East Uttar Pradesh; at isolated places over East Madhya Pradesh; appreciably below normal (-3.1°C to -5.0°C) at a few places over West Madhya Pradesh; at isolated places over Saurashtra & Kutch and West Uttar Pradesh; below normal (-1.6°C to -3.0°C) at many places over Haryana, Chandigarh & Delhi, Rajasthan and Gujarat region; at a few places over Punjab and Assam & Meghalaya; at isolated places over Jammu & Kashmir and Himachal Pradesh and near normal over rest of the country.
- Minimum temperature departures as on 03-10-2019: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at isolated places over West Rajasthan; above normal (1.6°C to 3.0°C) at most places over Haryana, Chandigarh & Delhi; at many places over Punjab, Uttarakhand, Gujarat and Rayalaseema; at a few places over East Rajasthan, West Uttar Pradesh, West Bengal & Sikkim, Madhya Maharashtra and Tamilnadu, Puducherry & Karaikal; at isolated places over Jammu & Kashmir, Madhya Pradesh, Vidarbha, Telangana, Coastal Andhra Pradesh & Yanam and Kerala & Mahe. They are below normal (-1.6°C to -3.0°C) at a few places over Assam & Meghalaya; at isolated places over East Uttar Pradesh and Chhattisgarh and near normal over rest parts of the country.

Weather Warning during next 5 days (IMD)

- 03 October (Day 1): Heavy rainfall very likely at isolated places over East Uttar Pradesh, Bihar, South Interior Karnataka and Kerala & Mahe. Thunderstorm accompanied with lightning very likely to occur at isolated places over Odisha, Jharkhand, Bihar, West Bengal & Sikkim, Assam & Meghalaya and Nagaland,

Manipur, Mizoram & Tripura. Squally weather is likely to prevail over southeast Arabian Sea off Kerala coast and Lakshadweep area.

- 04 October (Day 2): Heavy rainfall very likely at isolated places over Bihar and South Interior Karnataka. Thunderstorm accompanied with lightning very likely to occur at isolated places over Odisha, Jharkhand, Bihar and West Bengal & Sikkim.
- 05 October (Day 3): Heavy rainfall very likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Kerala & Mahe and South Interior Karnataka. Thunderstorm accompanied with lightning very likely to occur at isolated places over Jharkhand, Gangetic West Bengal and Odisha.
- 06 October (Day 4): Heavy rainfall likely at isolated places over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Kerala & Mahe.
- 07 October (Day 5): Heavy rainfall likely at isolated places over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- The weather outlook for the period of seven days i.e., 02 to 10 October 2019 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) rain/thundershower may occur over Madhya Pradesh, Maharashtra, Karnataka, Telangana, Andhra Pradesh, Odisha, Kerala, Jharkhand, West Bengal and North Eastern States. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

West Bengal

Weather condition:

Light to moderate rainfall is received in Gujarat state during past few days. The maximum temperature was ranged between 28-33°C and minimum temperature was ranged between 23-27°C.

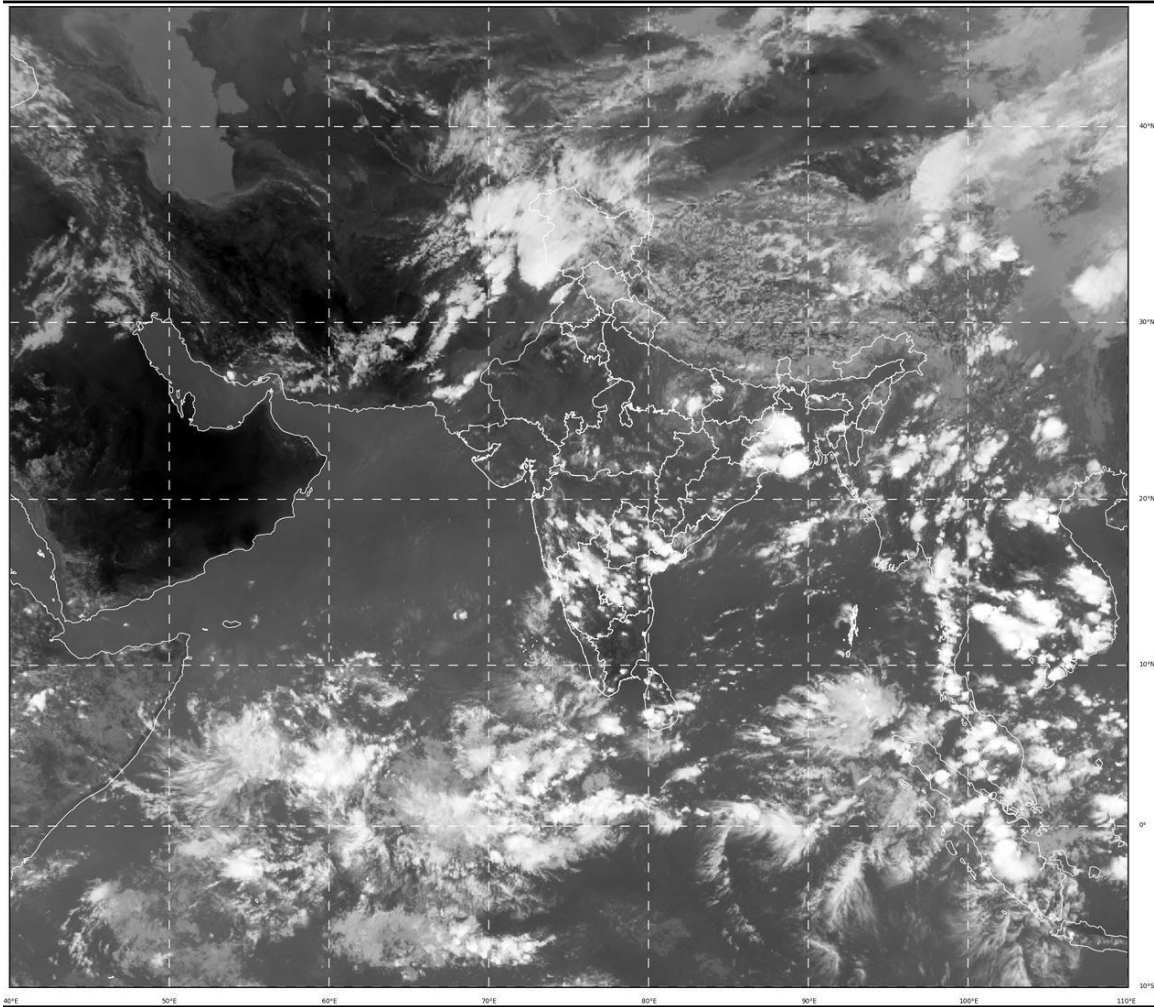
Contingency measure:

- Aman Rice- Light to moderate rainfall is expected in coming days. There is a chance of attack of BPH in the prevailing weather condition. If the number of insect is more than 15 per plant, apply 0.75 ml Nuvan or Vapona per lit. of water or dust quinolphos 1.5% carbaril 4% at lower portion of the stem.
- Cabbage & Cauliflower - Start seed sowing of early variety of cabbage (e.g. Pride of India, Pusa early, Kranti etc.) & cauliflower (e.g. Jawhar moti, Bharat Jyoti, Early banaras etc.) @ 4gm/ katha.
- Vegetables: Under high humidity and cloudy condition, combined attack of Downy mildew and Mosaic may be seen in bitter gourd and pointed gourd. Apply Ridomil Gold MZ (@2 gm per lt) to control the attack. Under present hot and humid

situation, attack of white fly has been reported from many areas leading to the spread of yellow mosaic virus in Okra. Spray Difenthiuron @ 0.75g per litre of water to prevent the further spread of the disease. Present temperature and humidity conditions are congenial for the rapid spread of thrips and mites leading to the leaf curling in chilli. As a control spray Diafenthiuron @ 0.75g per litre of water at 7-10 days interval.

SAT : INSAT-3D IMG
IMG_TIR2 12.0 um
LIC Mercator

03-10-2019/(0900 to 0926) GMT
03-10-2019/(1430 to 1456) IST



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IMD, DELHI

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- **Figure: 1. Latest available satellite picture as on 03 October 2019 at 14:30 Hrs (IST). (Source: IMD).**

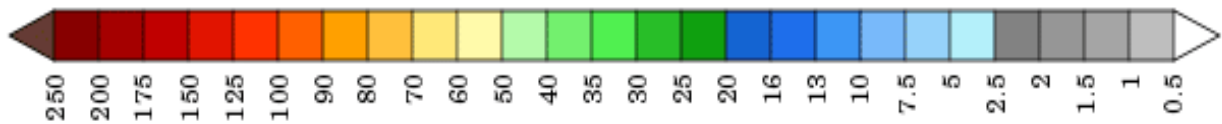
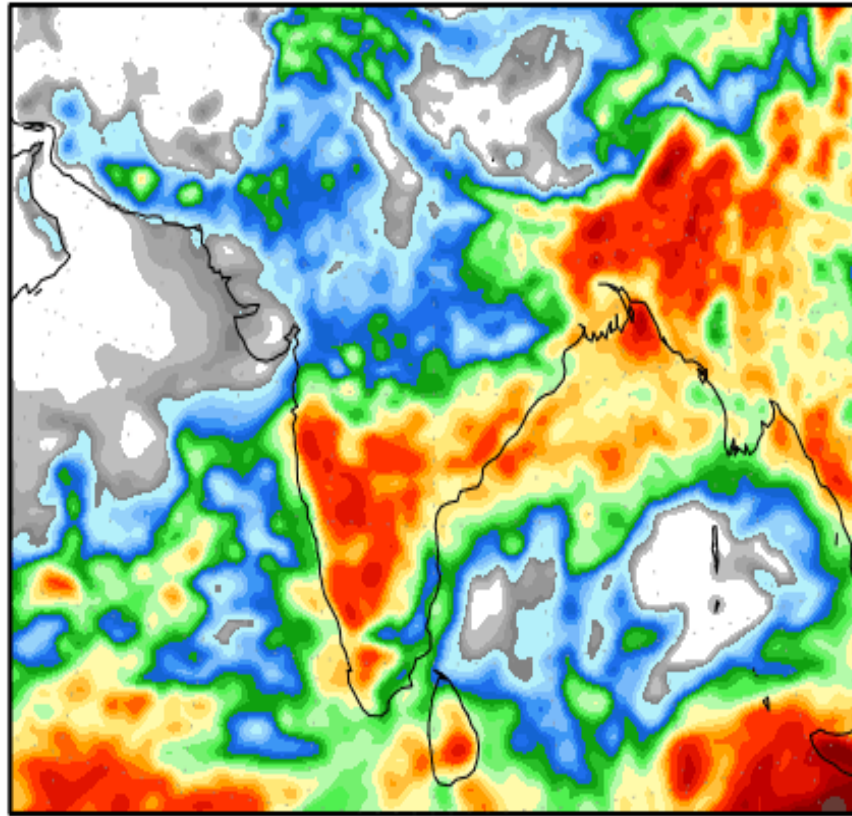


Figure:2. Precipitation forecast for 03 to 11 October 2019 (Source: NOAA NCEP).

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