

All India Coordinated Research Project on Agrometeorology

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Daily Crop Weather Information as on 25 September 2018

Attention: Rajiv Maheshwari, OSD, ICAR

Significant Weather Features (IMD)

- The intense precipitation activity over western Himalayan region and adjoining northwest India is most likely to decrease significantly from today. However, it is essential to remain cautious over the hilly terrains of Uttarakhand and Himachal Pradesh, due to the accumulated effect of past few days' heavy rains. Northeastern States and south peninsular India are very likely to experience fairly widespread to widespread rainfall activity with heavy to very rainfall fall at isolated places over Arunachal Pradesh and Assam & Meghalaya and heavy falls at isolated places over Karnataka, Kerala and Tamilnadu during next 3-4 days.
- Dry weather is likely to prevail over west Rajasthan from today. Reduction in the moisture associated with the monsoon flow and a change over in the low level wind pattern are also likely over this region from 27th September. These are indicative of likely commencement of withdrawal of southwest monsoon from western parts of Rajasthan around 29th September 2018.
- Heavy to very heavy rain occurred at isolated places over Himachal Pradesh, Sub Himalayan West Bengal & Sikkim and Kerala and heavy rain at isolated places over West Uttar Pradesh, Punjab, Haryana, Chandigarh & Delhi, South Interior Karnataka and Tamilnadu from 0830 hrs 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 most places over Sub Himalayan West Bengal & Sikkim, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Andaman & Nicobar Islands and Assam & Meghalaya; at many places over Punjab ,Kerala and Arunachal Pradesh; at a few places over Lakshadweep, Nagaland, Manipur, Mizoram & Tripura, East Rajasthan and at isolated places over Bihar, Gangetic West Bengal, Odisha, West Madhya Pradesh, Vidarbha, Marathawada, Telangana, South Interior Karnataka, Coastal Andhra Pradesh and Tamilnadu & Puducherry.
- Maximum temperature departures as on 24.09.2018: Maximum temperatures were above normal (1.6°C to 3.0°C) at most places over Bihar, Jharkhand, Gangetic West Bengal, Marathawada, Coastal & North Interior Karnataka, Lakshadweep and Kerala; at many places

over Odisha, Konkan & Goa, Madhya Maharashtra and East Uttar Pradesh; at a few places over Sub Himalayan west Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, South Interior Karnataka and Rayalaseema and at isolated places over Assam & Meghalaya and Andaman & Nicobar Islands. They were appreciably below normal (3.1°C to 5.0°C) at most places over Himachal Pradesh, Haryana, Chandigarh & Delhi and Punjab; at many places over Uttarakhand and East Rajasthan; at a few places over West Rajasthan; below normal (1.6°C to 3.0°C) at many places over Gujarat region; at a few places over West Madhya Pradesh and near normal over rest of the country.

- The highest maximum temperature of 39.3°C was recorded at Barmer (West Rajasthan) over the country.
- Minimum temperature departures as on 25.09.2018: Minimum temperature are above normal (1.6°C to 3.0°C) at most places over Sub Himalayan West Bengal & Sikkim; at many places over Rayalaseema; at a few places over Gangetic West Bengal and at isolated places over East Rajasthan, West Madhya Pradesh, Odisha, Telangana, Madhya Maharashtra and Tamilnadu & Puducherry; They are below normal (1.6°C to 3.0°C) at many places over Haryana, Chandigarh & Delhi and West Uttar Pradesh; at a few places over Himachal, Punjab and at isolated places over west Rajasthan, East Uttar Pradesh, Kerala, Coastal & South Interior Karnataka and Andaman & Nicobar Islands and near normal over rest of the country.

Weather Warning during next 5 days (IMD)

- 25 September (Day 1): Heavy to very heavy rain at isolated places very likely over Assam & Meghalaya and heavy rain at isolated places very likely over Arunachal Pradesh, Sub Himalayan West Bengal & Sikkim, Tamilnadu, Kerala and South Interior Karnataka. Thunderstorm accompanied with lightning very likely at isolated places over Telangana, Rayalaseema, Tamilnadu & Puducherry, South Interior Karnataka, Kerala, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 26 September (Day 2): Heavy to very heavy rain at isolated places very likely over Arunachal Pradesh and Assam & Meghalaya and heavy rain at isolated places very likely over Tamilnadu, Kerala, Rayalaseema and South Interior Karnataka. Thunderstorm accompanied with lightning very likely at isolated places over Telangana, Interior Karnataka, Rayalaseema, Tamilnadu & Puducherry, Kerala, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 27 September (Day 3): Heavy to very heavy rain at isolated places very likely over Tamilnadu and heavy rain at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya, Kerala, Coastal Karnataka, South Interior Karnataka and Telangana. Thunderstorm accompanied with lightning very likely at isolated places over North Interior Karnataka, south Madhya Maharashtra, Marathwada and south Konkan.
- 28 September (Day 4): Heavy rain at isolated places likely over Tamilnadu & Puducherry, Kerala and South Interior Karnataka. Thunderstorm accompanied with lightning likely at isolated places over south Madhya Maharashtra, Marathwada and south Konkan.

- 29 September (Day 5): Heavy rain at isolated places likely over Tamilnadu & Puducherry.

Agricultural activities (AICRPAM-CRIDA)

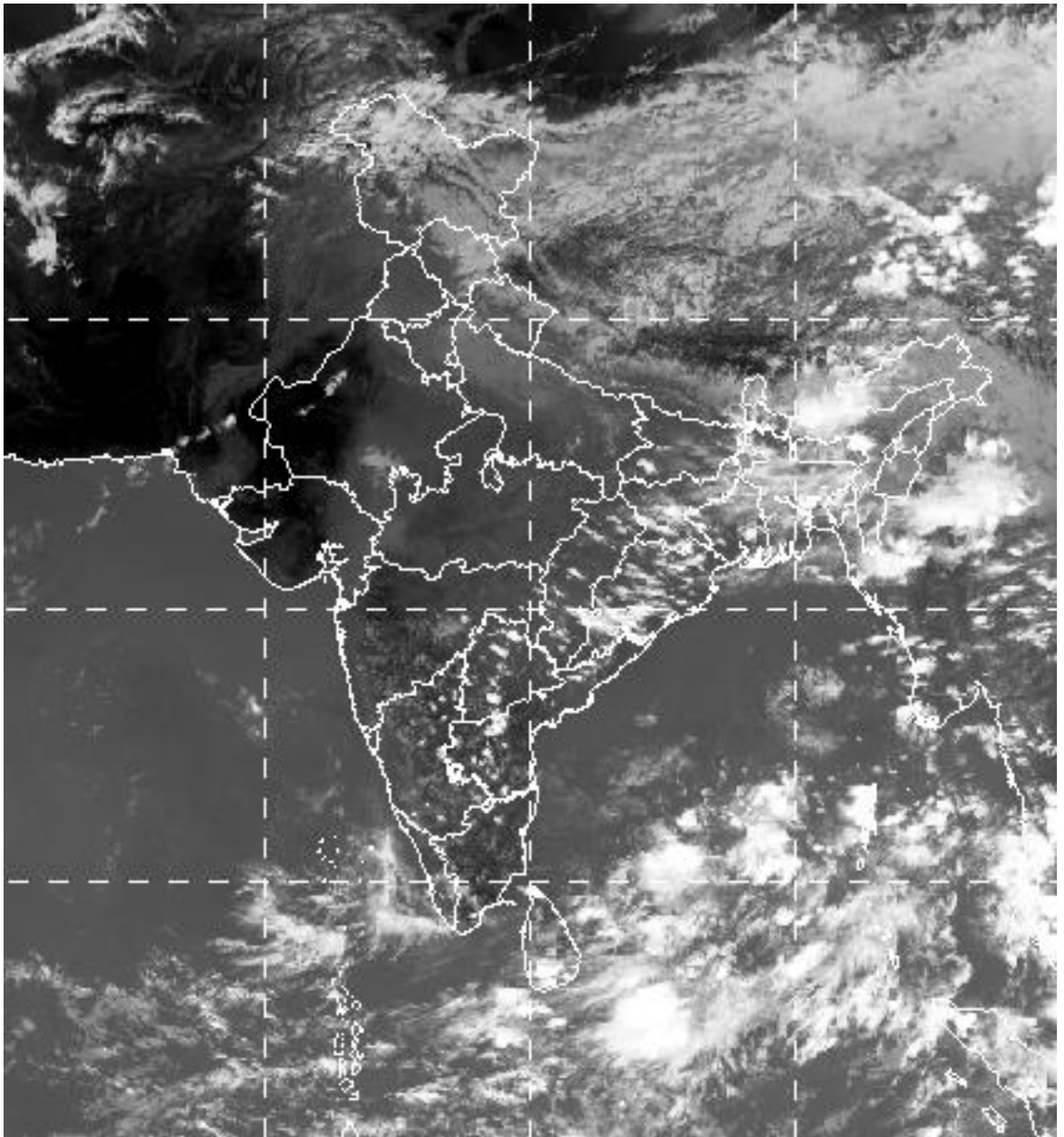
Assam

Weather condition

Light rainfall received in Assam state during past few days. Daily average maximum temperature was 31.8°C which was 1.2°C below normal and the average daily minimum temperature was 24.9°C which was 1.0°C above normal.

Contingency measure:

- Sali rice: (Tillering/ maximum Tillering stage): Farmers are advised to apply the top dressing of urea after 20-25 days of transplanting. Field should be weed free before top dressing.
- Pulses (summer): Farmers are advised to collect the seeds of black gram like T9, T27, Pant U 19 and green gram like T44, Kopergaon, ML56 etc as well as prepare the land. Sesamum: One weeding should be done at 20 days after sowing by khurpi or hoe.
- Vegetables: Make provisions in the gardens so that excess rain-water is quickly drained out as rainfall is predicted for the next 5 days. If the attack of fruit fly, red pumpkin beetle and epilechna beetle in summer gourds may observed, spray malathion 50 EC @ 1 ml per litre in the field to control these insects when the weather is sunny.
- Animals: Due to hot weather condition farmers are advised to feed their cattle at night and cooler time.



**Figure: 1. Latest available satellite picture as on 25 September 2018 at 0230 Hrs (IST).
(Source: IMD).**