



National Agromet Advisory Service Bulletin

based on

Extended Range Weather Forecast (ERFS)

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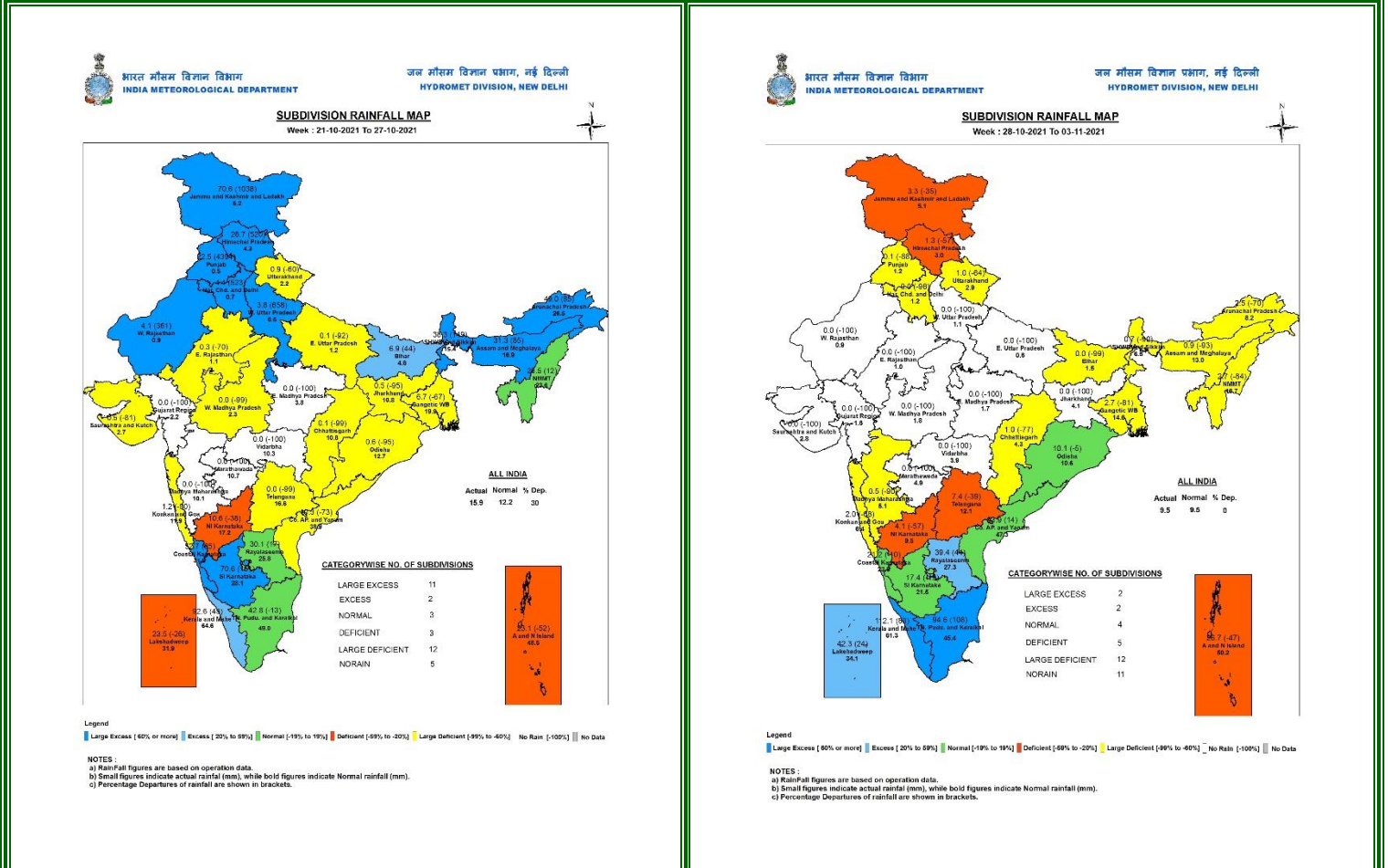
**AICRP on Agro-Meteorology (AICRPAM),
Central Research Institute for Dryland Agriculture (CRIDA),
Indian Council of Agricultural Research (ICAR)**

&

**India Meteorological Department (IMD),
Earth System Science Organization**

Realized Rainfall and Extended Range Forecast (Rainfall and Temperature)

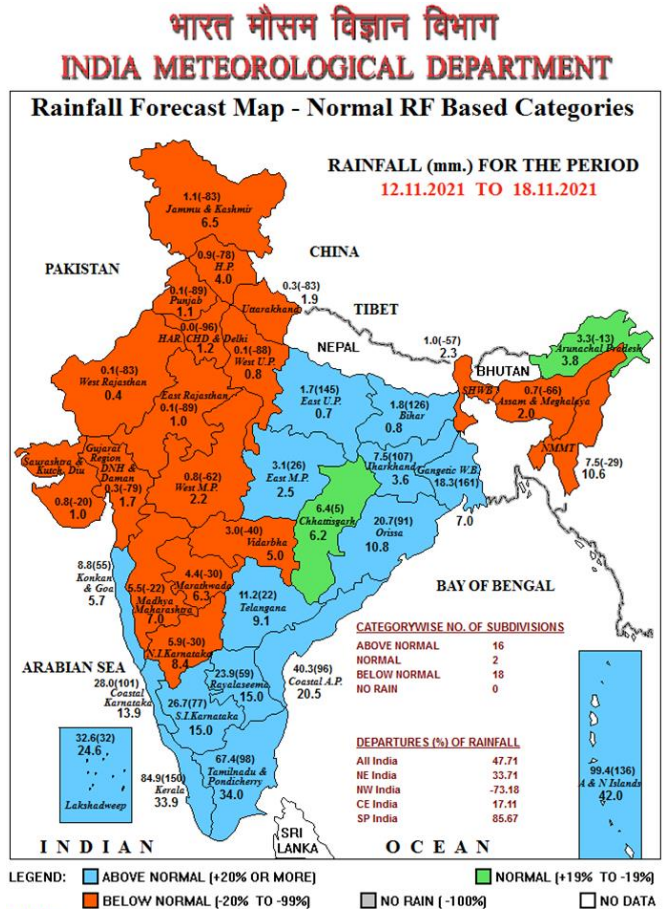
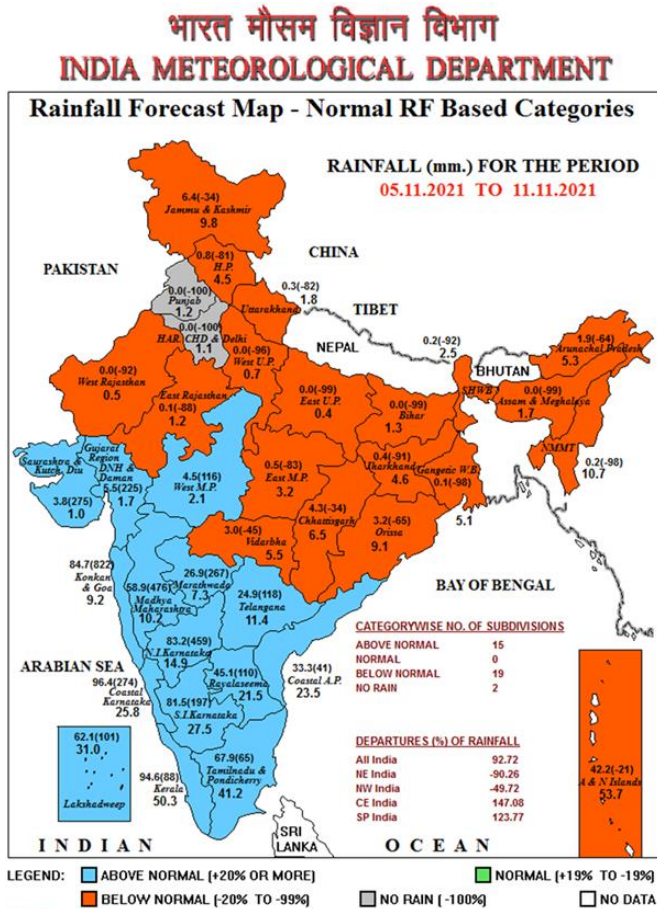
Realized Rainfall (21st October to 3rd November, 2021)



- Normal or above normal rainfall occurred in both the weeks in Coastal Karnataka, South Interior Karnataka, Rayalaseema, Tamil Nadu Puducherry & Karaikal and Kerala & Mahe.
- Normal or above normal rainfall occurred in either of the two weeks in Jammu & Kashmir and Ladakh (UTs), Himachal Pradesh, Haryana, Chandigarh & Delhi, West Uttar Pradesh, Punjab, West Rajasthan, Bihar, Odisha, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland Manipur Mizoram & Tripura (NMMT), Coastal Andhra Pradesh & Yanam and Lakshadweep.
- Below Normal rainfall/no rain occurred in both the weeks/either of the two weeks over Uttarakhand, East Uttar Pradesh, East Rajasthan, West Madhya Pradesh, East Madhya Pradesh, Chhattisgarh, Jharkhand, Gangetic West Bengal, Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Marathwada, Vidarbha, Telangana, North Interior Karnataka and Andaman & Nicobar Islands.

Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC –03 November) (5th to 18th November, 2021)



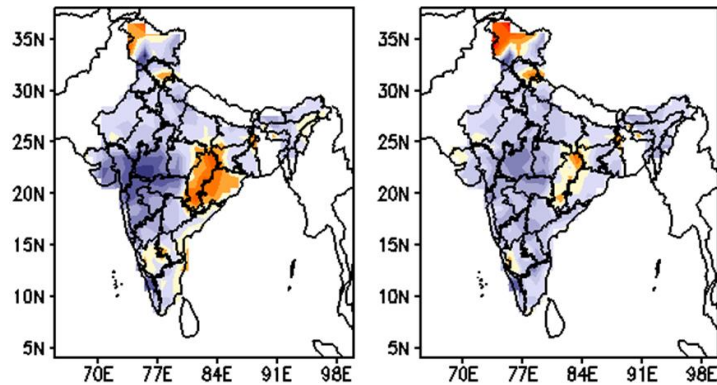
- **Week 1(05.11.2021 to 11.11.2021):** Active northeast monsoon condition is likely over the southern peninsular regions of India. The rainfall over western coastal states will also be active (Kerala to Konkan).
- **Week 2 (12.11.2021 to 18.11.2021):** Normal to slightly above normal rainfall is also likely mainly over Kerala and parts of Tamil Nadu. The east coast of India is also likely to be active with active western parts of Bay of Bengal.

**Maximum and Minimum temperature anomaly ($^{\circ}\text{C}$) forecast
for next 2 weeks (IC – 03 November)
(5th to 18th November, 2021)**

MME forecast Tmax anomaly (Deg C)

(Week1: 05Nov–11Nov)

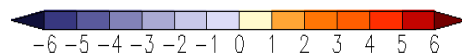
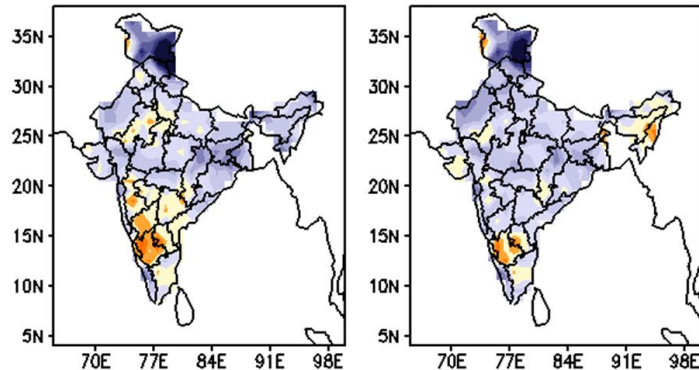
(Week2: 12Nov–18Nov)



MME forecast Tmin anomaly (Deg C)

(Week1: 05Nov–11Nov)

(Week2: 12Nov–18Nov)



Maximum Temperature (Tmax)

- **Week 1 (05.11.2021 to 11.11.2021) and Week 2 (12.11.2021 to 18.11.2021):** Mostly below normal Tmax over India except some parts of Odisha and Chhattisgarh and extreme regions of north India.

Minimum Temperature (Tmin)

- **Week 1 (05.11.2021 to 11.11.2021) and Week 2 (12.11.2021 to 18.11.2021):** Mostly normal Tmin with slight negative anomaly over India during the period with isolated regions have a chance of having slightly above normal Tmin particularly over the southern parts of India in the entire 2 weeks and eastern and north-eastern parts of India in week 2.

Strategic Agricultural Planning based on rainfall during next two weeks till 18 November 2021

Agro-met Advisories

Kerala

Amount of rainfall received over Kerala is 683 mm (97% large excess) during 01 October - 05 November 2021. The extended range weather forecast (rainfall) for next two weeks (05-12 and 12-18 November 2021) is above normal for week-1 and week-2.

- Due to high relative humidity, there is a chance of downy mildew incidence in cucurbitaceous vegetables. Spray 2.5G Mancozeb per one liter of water under the leaves under clear weather conditions.
- Due to high relative humidity, there is a chance leaf blotch in turmeric, farmers are advised to remove infested plant parts; if conditions worsen, they are advised to spray 2ml hexaconazole (Contaf) or 1 ml Propiconazole (Tilt) or 2 G SAAF or 2.5 G copper oxychloride (Blitox or Blue copper) or 2 G copper hydroxide dissolved in one liter of water under clear weather conditions.

Tamil Nadu

Amount of rainfall received over Tamil Nadu is 3.6 mm (41% excess) during 01 October - 05 November 2021. The extended range weather forecast (rainfall) for next two weeks (05-12 and 12-18 November 2021) is above normal for week-1 and week-2.

- Prevailing weather condition is congenial for incidence of shoot fly in sorghum. To manage, it is advised for Methyl Demeton 25 EC 500 ml per ha or Dimethoate 30 EC 500 ml per ha under clear weather conditions.
- Prevailing weather condition is Rhinoceros beetle incidence in Coconut. It is advised for Apply mixture of either Neem seed powder + sand (1:2) @150 G per palm or Neem seed kernel powder + sand (1:2) @150 G per palm in the base of the 3 inner most leaves in the crown.

Maharashtra

Rainfall received over Madhya Maharashtra is 97 mm (28% excess); Marathwada is 99 mm (33% excess); Vidarbha is 56 mm (-5% deficit) and Konkan region is 128 mm (12% excess) during 01 October - 05 November 2021. The extended range weather forecast (rainfall) for next two weeks (05-12 and 12-18 November 2021) over Konkan, Madhya Maharashtra and Marathwada is above normal and for Vidarbha is below normal for week-1 and; above normal over Konkan and below normal over Madhya Maharashtra, Vidarbha and Marathwada for week-2.

Konkan

- Under prevailing weather condition i.e., forecast for light to moderate rainfall at scattered places, it is advised to farmers to strip off the groundnut and finger millet and transfer them to

safe places.

- Under prevailing weather condition there is possibility of incidence of tea mosquito bug on new flush of Cashewnut. If incidence is noticed spray Profenophos 50% EC @ 10 ml or Lambda cyhalothrin 5% EC @ 6 ml per 10 liters during clear weather.

Madhya Maharashtra

- Under prevailing dry weather condition, sowing of chickpea should be carried before the soil moisture subsides where no irrigation facility is available.
- Under prevailing dry weather, it is advised to go for control of incidence of pod borer in pigeon pea by spraying 5% Neemark; Farmers are also advised to collect and kill the larvae.

Marathwada

- For management leaf spot disease in turmeric, it is advised a spray of Azoxystrobin 18.2% + Difenoconazole 11.4% @ 10 ml + 5 ml sticker per 10 liters of water during clear weather condition.
- Under prevailing dry weather condition for the management of Sigatoka disease in banana, it is advised to spray Carbendazim 50 WP @ 10 G or Propiconazole 10% EC @ 10 ml per 10 liters of water along with sticker.

Hisar

Amount of rainfall received over Hisar is 26 mm (140% large excess) during 01 October - 05 November 2021. The extended range rainfall forecast (rainfall) provided for next two weeks (05-12 and 12-18 November 2021) over Hisar is no rainfall for week-1 and below normal for week-2.

- Under the prevailing dry weather and favorable temperature, farmers are advised to go for sowing of timely sown wheat varieties: Recommended varieties are WH 283, WH 542, DBW 17, WH 711, WH 1105, HD 3086, and HD 2967.
- Farmers are also advised to go for application of the base irrigation and monitor the field for presence of insect-pests.

Karnataka

Rainfall received during 01 October-05 November 2021 over South Interior Karnataka is 293 mm (89% large excess) and North Interior Karnataka is 92 mm (-17% deficit). The extended range weather forecast (rainfall) for next two weeks (05-12 and 12-18 November 2021) over South Interior Karnataka and North Interior Karnataka is above normal for week-1; below normal over South Interior Karnataka above normal and North Interior Karnataka for week-2.

South Interior Karnataka

- If there is an incidence of cob borer on maize, it is advised to spray Malathion 50 EC @ 2ml per liter, 500 ml per acre.

North Interior Karnataka

- As per the forecast, there is an incidence of light rainfalls in isolated areas. Hence, farmers are advised to complete the harvesting of maize, onion and groundnut crops as soon as possible and keep the produce in a safe place.

Uttar Pradesh

Rainfall received during 01 October - 05 November 2021 over East Uttar Pradesh is 87 mm (131% large excess) and West Uttar Pradesh is 92 mm (301% large excess). The extended range weather forecast (rainfall) for next two weeks (05-12 and 12-18 November 2021) over East Uttar Pradesh and West Uttar Pradesh is below normal for week-1 and; over West Uttar Pradesh and East Uttar Pradesh is above normal for week-2.

Western Uttar Pradesh

- Under prevailing weather conditions, farmers are advised to look for infestation by leaf webber in pigeon pea and if found, spray Emamectin benzoate 5% SG @ 250 G per ha or Cypermethrin 25% EC @ 500ml per ha with 500 litres of water solution.
- It is advised to complete the sowing of lentil. Recommended varieties are: IPL-81, K-75, KLS-218, IPL-406, Shekhar-3 and Shekhar-2.

Jammu

Amount of rainfall received over Jammu is 104 mm (156% large excess) during 01 October - 05 November 2021. The extended range weather forecast (rainfall) provided for next two weeks (05-12 and 12-18 November 2021) over Jammu is above below normal for both week-1 and week-2.

- Under prevailing weather conditions, farmers are advised to complete the sowing of mustard by this week. If weather is clear, they are advised to go for intercultural operations like weeding and hoeing.
- Under prevailing weather conditions, farmers are advised to apply urea as top dressing in standing Berseem.

Assam

Amount of rainfall received over Assam is 139 mm (-14% deficit) during 01 October - 05 November 2021. The extended range weather forecast (rainfall) provided for next two weeks (05-12 and 12-18 November 2021) over Assam is below normal for both week-1 and week-2.

- Under prevailing weather condition, farmers are advised to take preventive measures by controlling fruit and shoot borer in Brinjal by spraying a solution of Emamectin Benzoate 5% SG (at the rate of 5 G per 10 liter of water).
- There is a gradual decrease in night temperature due to seasonal transition; farmers are advised to take preventive measures to protect the poultry from cold injury by covering the sides of the coop with thick cloths during the night and providing warm drinking water to new chicks.

Chhattisgarh

Amount of rainfall received over Chhattisgarh is 41 mm (-34% deficit) during 01 October - 05 November 2021. The extended range weather forecast (rainfall) provided for next two weeks (05-12 and 12-18 November 2021) over Chhattisgarh is below normal for week-1 and normal for week-2.

- Under prevailing dry weather condition, sowing of lathyrus should be carried before the soil moisture subsides. The recommended varieties are: Pratik, Ratan and Mahatiwda.
- As there is no rainfall forecast in coming week, Farmers are advised to paint stem of trees by using Bordeaux mixture/paste, maintain cleanliness in the orchard, prepare basin around the tree and apply recommended dose of manure and fertilizer.

Himachal Pradesh

Amount of rainfall received over Himachal Pradesh is 58 mm (90% large excess) during 01 October - 05 November 2021. The extended range weather forecast (rainfall) provided for next two weeks (05-12 and 12-18 November 2021) over Himachal Pradesh is below normal for both week-1 and week-2.

- It is the optimum time for sowing of mustard, linseed, pea, radish, spinach and coriander.
- Under prevailing weather conditions, it is expected the Ecto-parasitic attack in dairy animals, so farmers are advised for the control of attack are advised to spray Butox @ 2ml per litre in cowshed.

West Bengal

Rainfall received during 01 October - 05 November 2021 over Gangetic West Bengal is 190 mm (44% excess) and Sub-Himalayan West Bengal is 274 mm (76% large excess). The extended range weather forecast (rainfall) provided for next two weeks (05-12 November 2021 and 12-18 November 2021) over Gangetic West Bengal and Sub-Himalayan West Bengal is below normal for week-1 and over Gangetic West Bengal is normal and Sub-Himalayan West Bengal is above normal for week-2.

- Present weather conditions are suitable for sowing of lentil, lathyrus(khesari), field pea. Recommended varieties: Lentil (Maitri), field pea (Rachana, Prakash), khesari (Ratan, Pratik).

Andhra Pradesh

Rainfall received during 01 October - 05 November 2021 over Rayalaseema is 174 mm (17% excess) and Coastal Andhra Pradesh and Yanam is 140 mm (-38% deficit). The extended range weather forecast (rainfall) provided for next two weeks (05-12 and 12-18 November 2021) over Rayalaseema and Coastal Andhra Pradesh is above normal for both week-1 week-2.

- Present weather conditions are favourable for leaf folder and stem borer in rice grown in Nellore, Chittoor, Srikakulam, East Godavari, and West Godavari, Prakasam, Visakhapatnam and Vizianagaram districts. For effective control of leaf folder and stem borer, spraying of Acephate @ 1.5G or Chlorantraniliprole @ 0.4 ml per Liter of water is recommended.

- In Nellore, Chittoor, Prakasam, Kadapa, Ananthapuramu and Kurnool districts, present weather conditions are favourable for the incidence of spotted pod borer in redgram. To control the spotted pod borer, farmers are advised to spray Novaluron @ 1.0 ml or Thiodicarb @ 1.0 G or Lambda cyhalothrin @ 1.0 ml or Emamectin benzoate @ 0.4 g per Litre of water.

Odisha

Amount of rainfall received over Odisha is 87 mm (-20% deficit) during 01 October - 05 November 2021. The extended range weather forecast (rainfall) provided for next two weeks (05-12 and 12-18 November 2021) over Odisha is below normal for week-1 and above normal week-2.

- Under prevailing weather conditions, there is chance of incidence of Downy Mildew disease in cucurbits, it is advised to farmers for of spraying Copper Hydroxide 77 % WP @ 3G per liter or Fosetyl AL 80 % WP @ 3 G per liter or Carbendazim 12 % + Mancozeb 63 % WP @ 2 G per liter
- Under prevailing weather conditions, there is chance of attack of mealy bug in papaya at early stage of infestation, spray neem-based pesticide @ 30 ml per 10 liters (Neem Oil 1500 PPM) of water.

Madhya Pradesh

Amount of rainfall received over Madhya Pradesh is 29 mm (-16% deficit) during 01 October - 05 November 2021. The extended range weather forecast (rainfall) provided for next two weeks (05-12 and 12-18 November 2021) over East Madhya Pradesh is below normal for week-1 and above normal for week-2.

- Under prevailing weather conditions, farmers are advised to undertake harvest of rice and store them in safe places.
- Under prevailing weather conditions, farmers are advised to complete sowing of sugar cane of central Narmada valley zone.

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