



National Agromet Advisory Service Bulletin

based on

Extended Range Weather Forecast (ERFS)

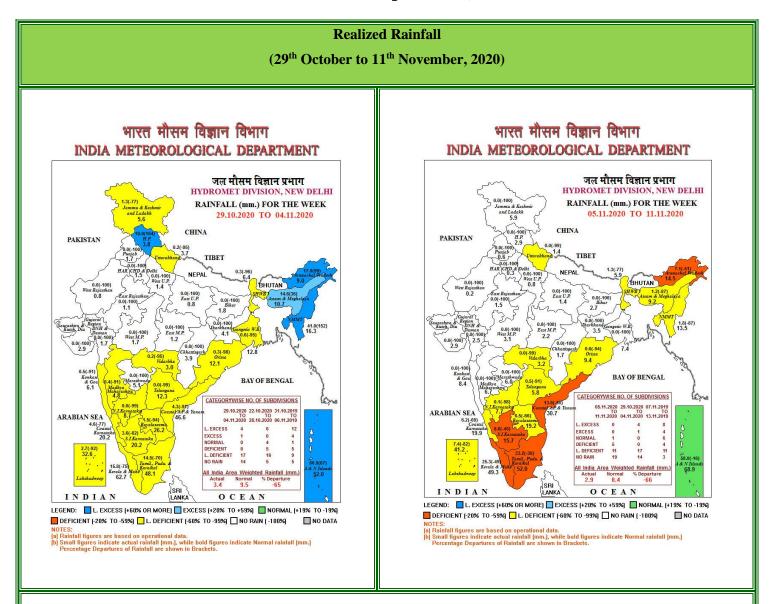
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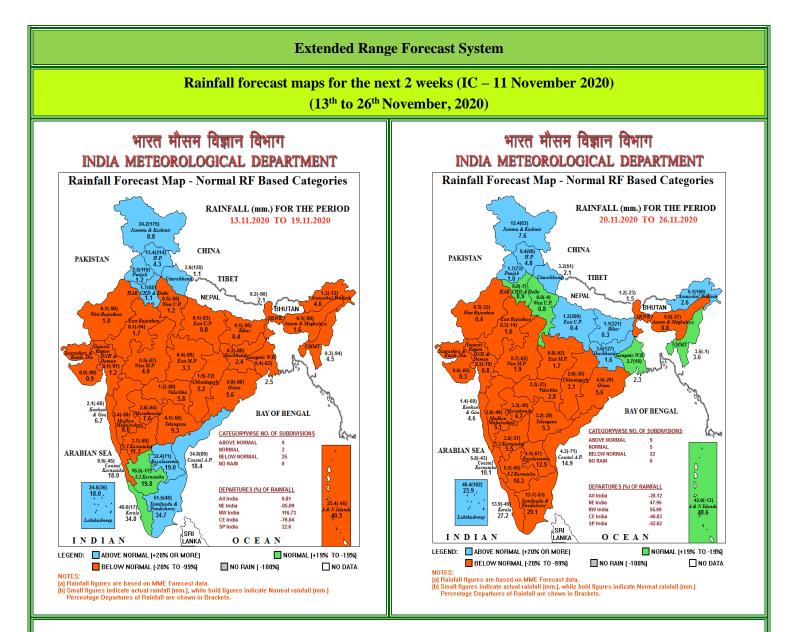
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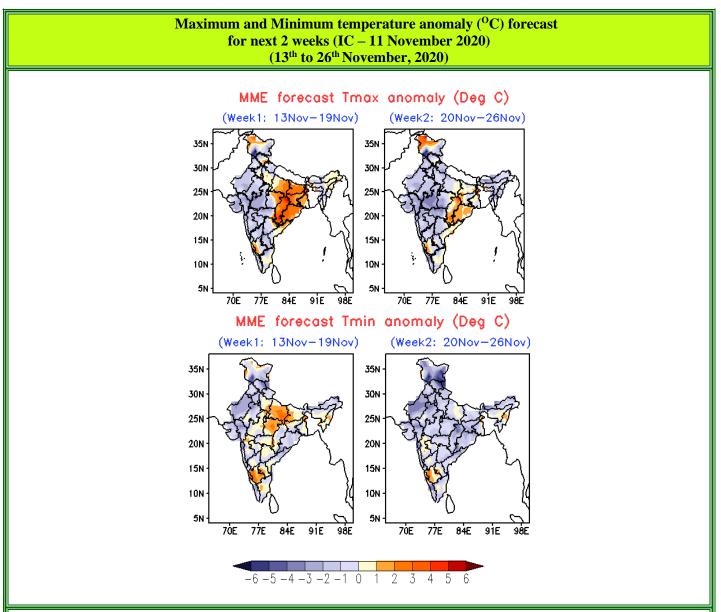
Realized Rainfall and Extended Range Forecast (Rainfall and Temperatures)



- Normal or above normal rainfall occurred in both the weeks in Andaman & Nicobar Islands.
- Normal or above normal rainfall occurred in either of the two weeks in Arunachal Pradesh, Assam & Meghalaya, Nagaland Manipur Mizoram & Tripura (NMMT and Himachal Pradesh.
- Below Normal rainfall/no rain occurred in both the weeks over rest of the country.



- Week 1 (13.11.2020 to 19.11.2020): Mostly dry weather over most parts northwest and central India with main rainfall will be over southern peninsula with above normal northeast monsoon rainfall. Also above normal rainfall will be over extreme north India associated with Western Disturbances.
- Week 2 (20.11.2020 to 26.11.2020): Northeast monsoon rainfall over south Peninsula is expected to decrease with no system. However, associated with the movement of Western Disturbance, rainfall over Uttar Pradesh, Bihar, Uttarakhand, Jharkhand, Gangetic West Bengal and north-eastern states will increase.



Maximum Temperature (Tmax)

• Week 1 (13.11.2020 to 19.11.2020) and Week 2 (20.11.2020 to 26.11.2020): Tmax over Indo Gangetic Plain (Uttar Pradesh, Bihar, Chhattisgarh, Odisha) and parts of Northeast India will be above normal, whereas, Tmax over most of west central India will be below normal.

Minimum Temperature (Tmin)

- Week 1 (13.11.2020 to 19.11.2020): Slightly below normal Tmin over northwest India and neighbourhood in week 1, whereas, over the region of Uttar Pradesh, Bihar, Jharkhand and neighbourhood, it will be above normal.
- Week 2 (20.11.2020 to 26.11.2020): Tmin will be below normal over most parts of India in week 2.

Strategic Agricultural Planning based on rainfall during next two weeks till 26 November 2020

Agro-met Advisories

Kerala

Amount of rainfall received over Kerala is 2484.4 mm (2% excess) during 01 June 2020 - 12 November 2020. The extended range weather forecast for next two weeks (13 - 19 November and 20 - 26 November 2020) is normal for week-1 and below normal for week-2.

- Due to cloudy weather condition, there is a chance of leaf folder attack in Mundakan paddy. It is advised to use *trichogramma* cards @ 2CC per one acre. If the attack is severe, spray 3 ml Chlorantraniliprole in ten litres of water.
- For the management of white fly in chilly, it is advised to apply 2% Neem oil garlic emulsion or spray 20g *Lecanicillium lecanii* per one litre of water in ten days intervals.

Tamil Nadu

Amount of rainfall received over Tamil Nadu is 577.1 mm (-5% deficit) during 01 June 2020 - 12 November 2020. The extended range weather forecast for next two weeks (13 - 19 November and 20 - 26 November 2020) is above normal for week-1 and below normal for week-2.

- Under the prevailing weather condition, farmers are advised to monitor fall army worm incidence in maize. If incidence is noticed, spray Azardirachtin 1 EC @ 2 ml/litre or Thiodicarb 75 WP @ 2 g/litre or Emamectin benzoate 5 SG @ 0.4 g/litre or Spinetoram 12 SP @ 0.5 ml /litre of water.
- Present weather condition is favorable for thrips incidence in cotton. It is advised to spray Imidacloprid 200 SL @ 100 ml or Methyl demeton 25 EC 500ml/ha or Dimethoate 30 EC 500ml/ha or NSKE 5% @ 2 kg/ha.

Maharashtra

Rainfall received over Madhya Maharashtra is 1122.2 mm (34% excess), Marathawada is 972.6 mm (30% excess), Vidharbha is 899.6 mm (-11% deficit) and Konkan region 3904.5 mm (30% excess) during 01 June 2020 - 12 November 2020. The extended range weather forecast for next two weeks (13 - 19 November and 20 - 26 November 2020) over Madhya Maharashtra, Vidharbha, Marathawada and Konkan is below normal for week-1 and week-2.

Madhya Maharashtra

- Under prevailing weather condition, there is a chance of army worm in sorghum and other *rabi* crops. It is advised to spray Quinolphos 25 E.C. @ 15-20 ml in 10 litres of water.
- For control of American army worm attack in crops, it is advised to use pheromone trap @ 5 per ha or apply 50,000 eggs of *Trichogram pritiosum* or *Telenomus remus* parasite per acre three times in one-week interval.

Konkan

- Present weather condition is congenial for tea mosquito bug and thrips incidence. It is advised to spray Profenophos 50% EC @10 ml per 10 litres of water.
- Due to increase in temperature, it is advised to provide irrigation in newly planted fruit crop

orchards and vegetable crops.

Vidharbha

- Under prevailing weather condition, sowing of sorghum, safflower, sunflower and chickpea crop is advised.
- For the management of helicoverpa in pigeon pea crop, pheromone traps may be installed @ 5/ha at a distance of 50 meter.

Marathawada

- Under prevailing weather conditions, transplanting of vegetables like tomato, cabbage, cauliflower should be done.
- Due to continuous decrease in minimum temperature, it is advised to put gunny bag made curtains in poultry, sheep and goat sheds to protect the animals from cold during early morning.

Hisar

Amount of rainfall received over Hisar is 379.8 mm (-17% deficit) during 01 June 2020 - 12 November 2020. The extended range rainfall forecast provided for next two weeks (13 - 19 November and 20 - 26 November 2020) over Hisar is above normal for week-1 and normal for week-2.

- Prevailing dry weather condition is congenial for sowing wheat with recommended timely sowing varieties viz., WH 283, WH 542, DBW 17, WH 711, WH 1105, HD 3086, HD 2967.
- Due to high humidity and favorable temperatures, farmers are advised to monitor the insectpest/diseases in rice crop and remove the disease plants.
- There is a higher chance of decrease in night temperature. Therefore, it is advised to keep the animals under sheds and clean around to control fly and mosquitos in cattle shade.

Karnataka

Rainfall received during 01 June 2020 - 12 November 2020 over South Interior Karnataka is 978.9 mm (15% excess) and North Interior Karnataka is 915.8 mm (49% excess). The extended range weather forecast for next two weeks (13 - 19 November and 20 - 26 November 2020) over South Interior Karnataka is normal and below normal over North Interior Karnataka is below normal for week-1 and below normal over South Interior Karnataka and North Interior Karnataka for week-2.

North Interior Karnataka

- Under prevailing weather condition, farmers are advised for sowing of sorghum, chickpea, safflower and wheat crops.
- Farmers are advised to vaccinate livestock against Foot and Mouth disease (FMD vaccination), Black Quarter disease (BC vaccination) and *Haemorrhagic Septicaemia*.

South Interior Karnataka

• Under prevailing weather condition, there is a chance of wilt disease in redgram. It is advised for drenching with Carbendazim 50 WP @ 2 g/litre of water and remove and burn the infected

plants in the field.

• To control stem borer in maize, it is advised to spray Quinolphos-25 EC @ 2ml/liter of water or Chlorophyriphos-20 EC @ 2ml/liter of water.

Uttar Pradesh

Rainfall received during 01 June 2020 - 12 November 2020 over East Uttar Pradesh 786.0 mm (-11% deficit) and West Uttar Pradesh is 455.3 mm (-39% deficit). The extended range weather forecast for next two weeks (13 - 19 November and 20 - 26 November 2020) over East Uttar Pradesh and West Uttar Pradesh is below normal for week-1 and above normal over East Uttar Pradesh and normal over West Uttar Pradesh for week-2.

Western Uttar Pradesh

- Present weather condition is optimum for sowing of timely sown wheat varieties under irrigated condition. Recommended varieties are PBW-343, K-9107, UP 2382, K-307, DBW-17, PBW-443, HD-2824, DBW-39, CBW-38 and HUW-510.
- Farmers are advised to vaccinate cows, buffalo, goat, and sheep against the mouth and foot disease.

Eastern Uttar Pradesh

- Intercultural operation is advised to check evaporation losses.
- Under the prevailing weather condition, sowing of chickpea, mustard, potato, pea and other *rabi* vegetables is advised.

Jammu

Amount of rainfall received over Jammu is 377.6 mm (-38% deficit) during 01 June 2020 - 12 November 2020. The extended range weather forecast provided for next two weeks (13 - 19 November and 20 - 26 November 2020) on rainfall over Jammu is above normal for week-1 and week-2.

- Under prevailing weather condition, farmers are advised to complete the sowing of mustard in irrigated region with recommended varieties RSPR-01, RSPR-03, Kranti, Pusa Bahar, Pusa Basant, Varuna.
- Under prevailing weather condition, sowing of wheat is also advised with recommended varieties PBW-175, PBW-396, RSP-81(Jitto), WH-1080 and PBW-644 under conserved soil moisture in kandi belt.

Rajasthan

Amount of rainfall received over East Rajasthan is 595.4 mm (-4% deficit) during 01 June 2020 - 12 November 2020. The extended range weather forecast provided for next two weeks (13 - 19 November and 20 - 26 November 2020) over East Rajasthan is below normal for week-1 and week-2.

• Prevailing mean temperature is suitable for sowing of wheat. Recommended cultivars for normal sowing are Raj-3077, WH-147, GW-190, GW-322, GW- 273, HI- 1544, Raj 4037, HI- 8498, Lok-1 and Raj-3765.

• For the management of cutworm in gram, dusting of Quinalphos 1.5% W.P. @ 25 kg/ha is advised.

Gujarat

Amount of rainfall received over Gujarat is 1045.6 mm (11% excess) during 01 June 2020 - 12 November 2020. The extended range weather forecast provided for next two weeks (13 - 19 November and 20 - 26 November 2020) on rainfall over Gujarat is below normal for week-1 and week-2.

- For the management of shoot borer/mango hopper in mango, it is advised to spray Profenophos @10 ml in 10 litres.
- For the management of *Helicoverpa* caterpillars and pod fly in pigeon pea, it is advised to spray Neem oil @ 50 ml or Beuvaria bassiana @ 50 g or Trizophose @ 15 litres water.

Punjab

Amount of rainfall received over Punjab is 391.7 mm (-18% deficit) during 01 June 2020 - 12 November 2020. The extended range weather forecast provided for next two weeks (13 - 19 November and 20 - 26 November 2020) on rainfall over Punjab is above normal for week-1 and week-2.

- Under prevailing weather conditions, farmers are advised to start the sowing of wheat with varieties Unnat PBW 343, PBW 1 Zinc, PBW 725, PBW 677, HD 3086, WH 1105, PBW 621, HD 2967 and WHD 943 / PDW 291 (durum wheat).
- Prevailing weather condition is also congenial for nursery sowing of onion. Recommended varieties are POH-1 PRO-7, Punjab Naroya, PYO-1 and PWO-2.

Chhattisgarh

Amount of rainfall received over Chhattisgarh is 1321.8 mm (10% excess) during 01 June 2020 - 12 November 2020. The extended range weather forecast provided for next two weeks (13 - 19 November and 20 - 26 November 2020) on rainfall over Chhattisgarh is below normal for week-1 and week-2.

- Under prevailing weather condition, transplanting of tomato, brinjal, chilli and cauliflower is advised.
- Due to decrease in temperature, it is advised to keep the animals in the cattle shed with concrete / brick roof.

West Bengal

Amount of rainfall received over West Bengal is 1136.5 mm (-14% deficit) during 01 June 2020 - 12 November 2020. The extended range weather forecast provided for next two weeks (13 - 19 November and 20 - 26 November 2020) on rainfall over West Bengal is below normal for week-1 and normal for week-2.

- Under prevailing weather condition, there is a chance of attack of black-rot of crucifers in the cabbage and cauliflower. To control, it is advised to spray 1g Streptocycline in 10 litres of water.
- Under prevailing weather conditions, it is advised to complete the harvesting of Aman rice.

Odisha

Amount of rainfall received over Odisha is 1304.4 mm (2% excess) during 01 June 2020 - 12 November 2020. The extended range weather forecast provided for next two weeks (13 - 19 November and 20 - 26 November 2020) on rainfall over Odisha is below normal for week-1 and week-2.

- Prevailing high humid weather condition is favourable for brown plant hopper (BPH) and white backed plant hopper (WBPH) infestation in paddy. It is advised to spray Neem based pesticide (Azadirachtin) 1500 ppm @ 600 ml/acre or Pymetrozine 50% WG @ 120 g/acre or Dinotefuran 20% SG @ 80 g/acre or Flonicamid 50% WG @ 60 g/acre or Triflumezopyrim 10% SC @ 100 ml/acre at the base of the plant.
- For the management of red rot disease in sugarcane, it is advised to spray Carbendazim 12%+ Mancozeb 63 % WP @ 400g/acre or Metalaxyl 8% + Mancozeb 64% WP @ 400 g/acre by mixing it in 200 litres of water.

Assam

Amount of rainfall received over Assam is 2356.9 mm (21% excess) during 01 June 2020 - 12 November 2020. The extended range weather forecast provided for next two weeks (13 - 19 November and 20 - 26 November 2020) on rainfall over Assam is below normal for week-1 and week-2.

- Due to favorable weather, there is a chance of infestation of aphid in the green gram crop. To control, it is advised to apply Malathion 50 EC @ 130 ml in 65 litres of water to spray in one bigha land.
- It is also the right time to prepare the land for potato crop. Recommended varieties are Kufri Chandramukhi, Kufri Jyoti, Kufri Megha, Kufri Badshah, Kufri Sindhuri etc.

Bihar

Amount of rainfall received over Bihar is 1301.6 mm (20% excess) during 01 June 2020 - 12 November 2020. The extended range weather forecast provided for next two weeks (13 - 19 November and 20 - 26 November 2020) on rainfall over Bihar is below normal for week-1 and above normal for week-2.

- Under prevailing weather conditions, land preparation for sowing of wheat is advised. Recommended varieties are PBW-343, PBW-443, K-9107, HD-2733, HD-2824, HUW-206, HUW-468, K-307, CBW-38, DBW-39.
- Harvesting and threshing of paddy is also advised.

Disclaimer:

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