



National Agromet Advisory Service Bulletin

based on

Extended Range Weather Forecast (ERFS)

Validity: 12 - 25 March 2021

Date of issue: 12 March 2021

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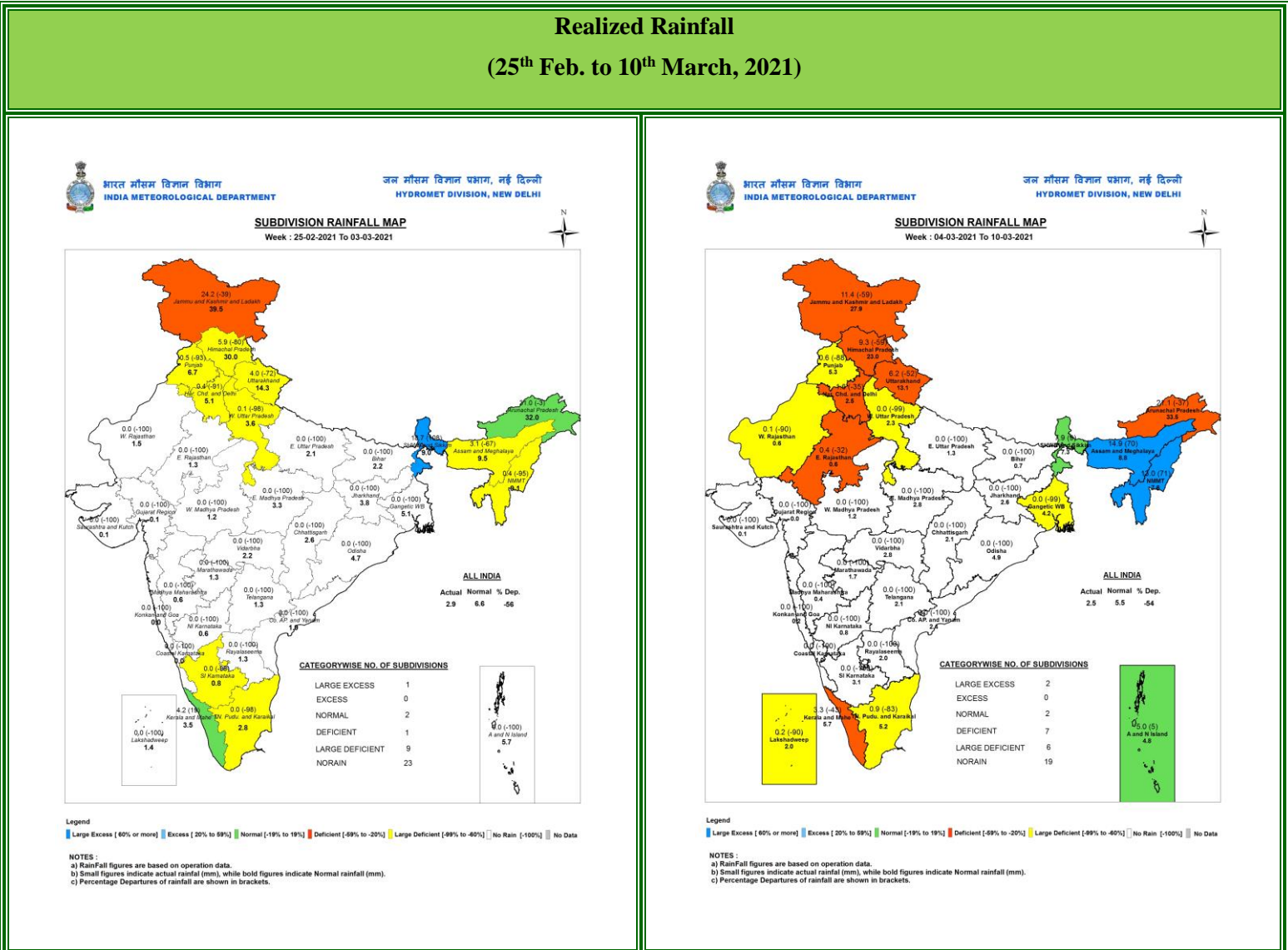
**AICRP on Agro-Meteorology (AICRPAM),
Central Research Institute for Dryland Agriculture (CRIDA),
Indian Council of Agricultural Research (ICAR)**

&

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

Realized Rainfall and Extended Range Forecast (Rainfall and Temperatures)

Realized Rainfall (25th Feb. to 10th March, 2021)



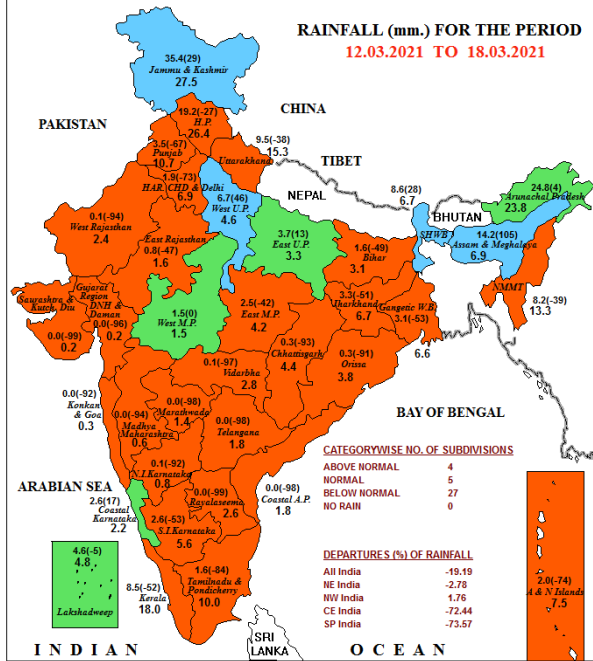
- Normal or above normal rainfall occurred in both the weeks in Sub-Himalayan West Bengal & Sikkim.
- Normal or above normal rainfall occurred in either of the two weeks in Arunachal Pradesh, Assam & Meghalaya, Nagaland Manipur Mizoram & Tripura (NMMT), Kerala & Mahe and Andaman & Nicobar Islands.
-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

Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC – 10 March) (12th to 25th March, 2021)

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Rainfall Forecast Map - Normal RF Based Categories

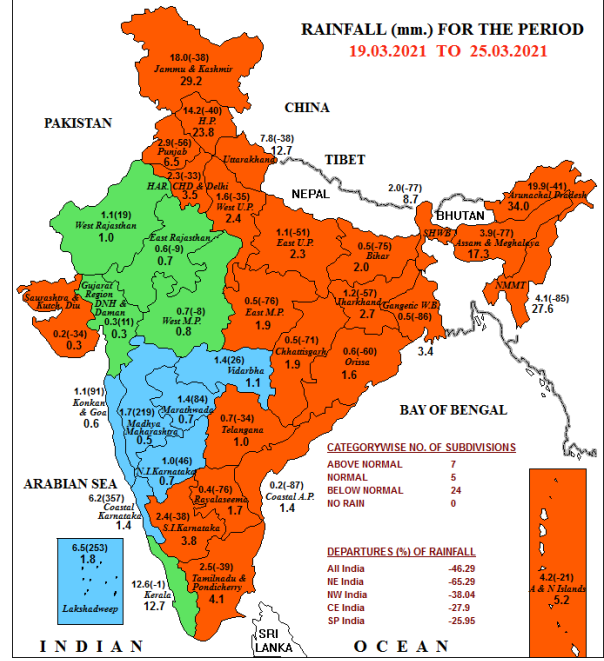


LEGEND: ■ ABOVE NORMAL (+20% OR MORE) ■ NORMAL (+19% TO -19%)
■ BELOW NORMAL (-20% TO -99%) ■ NO RAIN [-100%] ■ NO DATA

NOTES:
 (a) Rainfall figures are based on MME Forecast data.
 (b) Small figures indicate actual rainfall (mm.), while bold figures indicate Normal rainfall (mm.)
 Percentage Departures of Rainfall are shown in Brackets.

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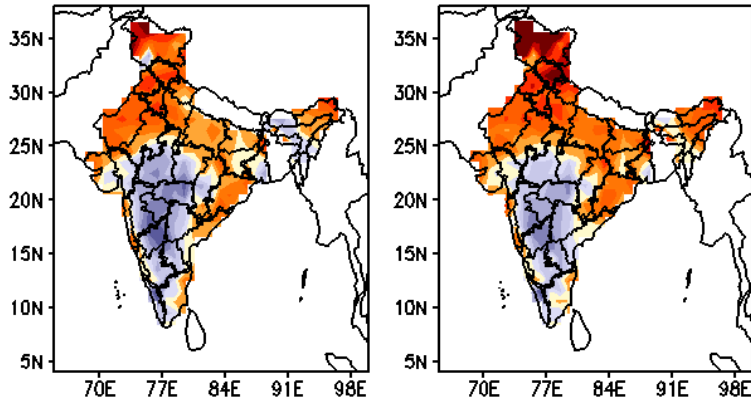
- **Week 1 (12.03.2021 to 18.03.2021) and Week 2 (19.03.2021 to 25.03.2021):** Western Disturbance associated light to moderate rainfall likely over Jammu & Kashmir and Ladakh (UTs) and adjoining regions mainly in week 1. Possibility of slight rainfall over extreme north India in the subsequent period also. Some parts of the south peninsula and northeastern states may get light/moderate rainfall.

**Maximum and Minimum temperature anomaly ($^{\circ}\text{C}$) forecast
for next 2 weeks (IC – 10 March)
(12th to 25th March, 2021)**

MME forecast Tmax anomaly (Deg C)

(Week1: 12Mar–18Mar)

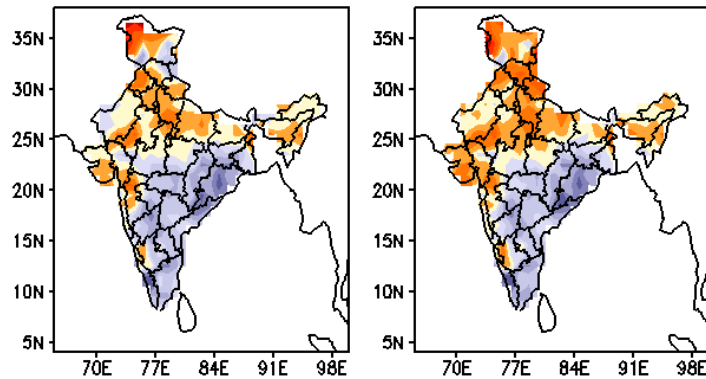
(Week2: 19Mar–25Mar)



MME forecast Tmin anomaly (Deg C)

(Week1: 12Mar–18Mar)

(Week2: 19Mar–25Mar)



Maximum Temperature (Tmax)

- **Week 1 (12.03.2021 to 18.03.2021) and Week 2 (19.03.2021 to 25.03.2021):** The Tmax over the entire northern India, Northwest India, Northeast India and some coastal parts of Odisha will experience above normal Tmax during the period. Some parts of west central India will have slightly below normal Tmax in week 1 and week 2.

Minimum Temperature (Tmin)

- **Week 1 (12.03.2021 to 18.03.2021) and Week 2 (19.03.2021 to 25.03.2021):** Warm anomalies over Northwest India including Gujarat region, Uttar Pradesh, Bihar and north-eastern states during week 1 and week 2 with gradual increase of positive anomaly areas as well as its magnitude. Negative Tmin anomalies (particularly in week 1 and week 2) over Eastern coastal states and adjoining central and south peninsula.

Strategic Agricultural Planning based on rainfall during next two weeks till 25 March 2021

Agro-met Advisories

Kerala

Amount of rainfall received over Kerala is 14.5 mm (102% large excess) during 01 March 2021 - 11 March 2021. The extended range weather forecast (rainfall) for next two weeks (12 - 18 March 2021 and 19 - 25 March 2021) is below normal for week-1 and normal for week-2.

- Due to dry spell condition, there is a chance of whitefly attack on coconut leaves. To control, it is advised to spray 1% Azadirachtine @ 2ml per litre emulsion on the leaves.
- Under prevailing dry weather condition, it is advised to give a heavy irrigation once in a fortnight in cardamom.

Tamil Nadu

Amount of rainfall received over Tamil Nadu is 4.6 mm (-40% deficit) during 01 March 2021 - 11 March 2021. The extended range weather forecast (rainfall) for next two weeks (12 - 18 March 2021 and 19 - 25 March 2021) is below normal for week-1 and week-2.

- Prevailing weather condition is favourable for thrip incidence in chilli. To control, it is advised to apply Imidacloprid 200 SL @ 100 ml or Methyl demeton 25 EC 500ml/ha.
- Prevailing weather condition is also favorable for blossom midge incidence in jasmine. It is advised to spray Thiamethoxam 2.5% WG @ 0.75 g/litre or Flufenoxuron @ 1.5 g/litre.

Maharashtra

Rainfall received over Madhya Maharashtra is 0.0 mm (-100% no rainfall), Marathwada is 0.0 mm (-100% no rainfall), Vidarbha is 0.0 mm (-100% no rainfall) and Konkan region 0.0 mm (-100% no rainfall) during 01 March 2021 - 11 March 2021. The extended range weather forecast (rainfall) for next two weeks (12 - 18 March 2021 and 19 - 25 March 2021) over Konkan, Vidharbha, Marathawada, and Madhya Maharashtra is below normal for week-1 and above for week-2.

Marathwada

- For the management of mites in citrus orchard, it is advised to spray Dicofol 18.5% @ 2 ml or Propargite 20% @ 1 ml or Ethion 20 % @ 2 ml or water soluble Sulphur @ 3 g per litre of water.
- Under prevailing dry weather condition, mulching is advised around the stem of newly planted banana and mango orchards.

Vidharbha

- Due to chances of rain, it is advised to harvest the matured timely sown wheat crop and store at safer place.
- Due to the chances of thunderstorm accompanied by hail, it is advised to immediately harvest

the matured orange fruits.

Madhya Maharashtra

- Under prevailing weather condition, sowing of fodder jowar and maize is advised.
- Under prevailing dry weather, light irrigation is advised in summer groundnut.

Hisar

Amount of rainfall received over Hisar is 1.6 mm (-71% large deficit) during 01 March 2021 - 11 March 2021. The extended range rainfall forecast (rainfall) provided for next two weeks (12 - 18 March 2021 and 19 - 25 March 2021) over Hisar is below normal for week-1 and week-2.

- Under prevailing dry weather, farmers are advised to keep vigil on insect/pests in sugarcane crop and also advised to apply need-based irrigation.
- Due to lower night temperature, high winds and cloudy conditions, it is advised to keep the animals under shed and provide 50 g iodized salt and 50 - 100 g mineral mixture daily along with animal feed/fodder.

Karnataka

Rainfall received during 01 March 2021 - 11 March 2021 over South Interior Karnataka is 0.4 mm (-88% large deficit) and North Interior Karnataka is 0.0 mm (-100% no rainfall). The extended range weather forecast (rainfall) for next two weeks (12 - 18 March 2021 and 19 - 25 March 2021) over South Interior Karnataka and North Interior Karnataka is below normal for week-1 and below normal over South Interior Karnataka and above normal over North Interior Karnataka for week-2.

South Interior Karnataka

- For the management of leaf hopper in mango orchard, spraying of Carbaryl, 50 WP @ 4g/litre of water or Imidachlorprid @ 0.3 ml/litre of water is advised.

Uttar Pradesh

Rainfall received during 01 March 2021 - 11 March 2021 over East Uttar Pradesh 0.0 mm (-100% no rainfall) and West Uttar Pradesh is 0.1 mm (-98% large deficit). The extended range weather forecast (rainfall) for next two weeks (12 - 18 March 2021 and 19 - 25 March 2021) over East Uttar Pradesh is normal and West Uttar Pradesh is above normal for week-1 and below normal over East Uttar Pradesh and West Uttar Pradesh for week-2.

Western Uttar Pradesh

- Farmers are advised for land preparation for the sowing of *zaid* urd, mung bean, maize and sunflower.
- Due to high temperature and cloudy weather, there is a chance of attack of pod borer in pigeon pea. To control, it is advised to spray Chlorpyrifos 50% + Cypermethrin 5% EC @ 1 litre with

500 to 600 litres water solution.

Eastern Uttar Pradesh

- Intercultural operation is advised to check the evapotranspiration losses.
- Under optimum soil moisture condition, harvest in potato crop is advised.

Jammu

Amount of rainfall received over Jammu is 14.5 mm (-69% large deficit) during 01 March 2021 - 11 March 2021. The extended range weather forecast (rainfall) provided for next two weeks (12 - 18 March 2021 and 19 - 25 March 2021) on rainfall over Jammu is above normal for week-1 and below normal for week-2.

- Prevailing weather condition is favourable for yellow rust in wheat crop. It is advised to apply Propaconazole (Tilt) @ 25ml in 25 litres of water/kanal and repeat same after 10-15 days during clear weather.
- For the management of red pumpkin beetle in cucumber and bottle gourd, it is advised to incorporate Phorate granules 10G in the pits during transplanting.

West Bengal

Amount of rainfall received over West Bengal is 2.9 mm (-63% large deficit) during 01 March 2021 - 11 March 2021. The extended range weather forecast (rainfall) provided for next two weeks (12 - 18 March 2021 and 19 - 25 March 2021) on rainfall over West Bengal is below normal for week-1 and week-2.

- For the management of mango hopper in mango orchard, it is advised to spray Imidachloprid @ 3ml/10 litres of water or Acetamiprid @ 1 ml/litre of water.
- To control shoot and fruit borer in brinjal crop, it is advised to apply Spionosad @ 1.0 ml/liter of water.

Odisha

Amount of rainfall received over Odisha is 0.1 mm (-99% large deficit) during 01 March 2021 - 11 March 2021. The extended range weather forecast (rainfall) provided for next two weeks (12 - 18 March 2021 and 19 - 25 March 2021) on rainfall over Odisha is below normal for week-1 and week-2.

- Under prevailing weather condition, there is a chance of purple blotch and stemphylium blight disease in onion crop. To manage, it is advised to spray Mancozeb 75% WP @ 600 g/acre or Difenoconazole 25% EC @ 200ml/acre by mixing in 200 litres of water at 15 days interval.
- Under prevailing weather condition, there are chances of infestation of sucking pest in chilli crop. It is advised to spray Neem-based pesticide (Azadirachtin) 1500 ppm @ 600 ml/acre by mixing in 200 litres of water.

Assam

Amount of rainfall received over Assam is 20.0 mm (42% excess) during 01 March 2021 - 11 March 2021. The extended range weather forecast (rainfall) provided for next two weeks (12 - 18 March 2021 and 19 - 25 March 2021) on rainfall over Assam is above normal for week-1 and below normal for week-2.

- Regular monitoring of caterpillars and leaf eaters in cabbage, cauliflower and broccoli is advised. If infestation is found, spray Chlorantranilliprole 18.5 SC (@ 1ml per 3 litres of water.
- Under prevailing weather condition, harvesting of potato and mustard crop is advised.

Himachal Pradesh

Amount of rainfall received over Himachal Pradesh is 11.8 mm (-69% large deficit) during 01 March 2021 - 11 March 2021. The extended range weather forecast (rainfall) provided for next two weeks (12 - 18 March 2021 and 19 - 25 March 2021) on rainfall over Himachal Pradesh is below normal for week-1 and week-2.

- Maintain room temperature of 25-28°C and relative humidity around 80-85% for successful cultivation of mushrooms.
- For the management of thrip attack in early sown onion, it is advised to spray Imidacloprid @ 0.5 ml per litre of water with sticky material (Tipol 1.0 g/litre) during clear weather condition.

Andhra Pradesh

Amount of rainfall received over Andhra Pradesh is 0.0 mm (-100% no rainfall) during 01 March 2021 - 11 March 2021. The extended range weather forecast (rainfall) provided for next two weeks (12 - 18 March 2021 and 19 - 25 March 2021) on rainfall over Andhra Pradesh is below normal for week-1 and week-2.

- Current weather condition is favourable for the incidence of fall army worm in maize (especially in Vizianagaram, Visakhapatnam, Chittoor, East Godavari, West Godavari and Ananthapuramu districts). To control, spray Thiodicarb @ 2g or Emamectin benzoate @ 0.4 g/litre of water.
- Present weather is also favorable for sucking pest incidence in groundnut in Srikakulam, Vizianagaram, Visakhapatnam, Nellore, Kadapa, Chittoor, Ananthapuramu and Kurnool districts. To control, spray Dimethoate @ 2.0 ml or Imidacloprid @ 0.3 ml/litre of water.

Bihar

Amount of rainfall received over Bihar is 0.3 mm (-86% large deficit) during 01 March 2021 - 11 March 2021. The extended range weather forecast (rainfall) provided for next two weeks (12 - 18 March 2021 and 19 - 25 March 2021) on rainfall over Bihar is below normal for week-1 and week-2.

- This is the best time for sowing of okra crop. Recommended varieties are Parvani Kranti, Arka Abhay, Arka Anamika, Barsha Uphar, KS-312, Okra-4, Punjab-7, Pant Bhindi-1, Kashi Pragati,

Bhawani, Krisna, Indranil, Kashi Bhairav.

- Under prevailing weather, sowing of mung bean and urd bean is also advised with recommended varieties of mung bean (Pusa Vishal, Samrat, SML-668, HUM-16 and Sona) and urd bean (Pant Urd-19, Pant Urd-31, Uttra and Navin).

Madhya Pradesh

Amount of rainfall received over East Madhya Pradesh is 0.0 mm (-100% no rainfall) during 01 March 2021 - 11 March 2021. The extended range weather forecast (rainfall) provided for next two weeks (12 - 18 March 2021 and 19 - 25 March 2021) on rainfall over Madhya Pradesh is below normal for week-1 and week-2.

- Due to increase in temperature, a light irrigation is advised in the moisture deficit crop fields.
- Field preparation for sowing of *zaid* crops like summer soybean, mung, urd and vegetables is advised.

Disclaimer:

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