



## National Agromet Advisory Service Bulletin

based on

**Extended Range Weather Forecast (ERFS)**

**Validity: 25 March - 07 April 2022**

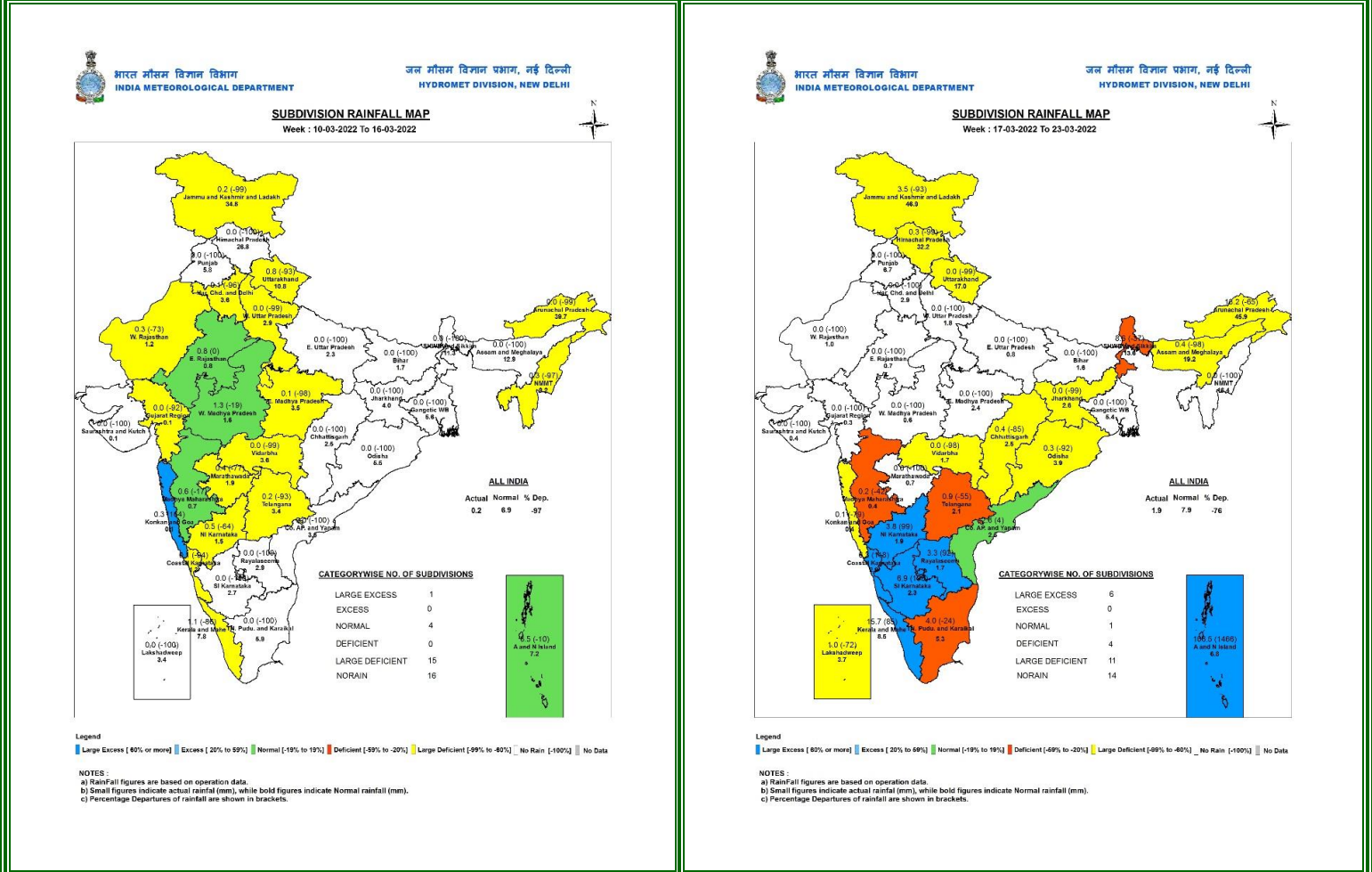
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Indian Council of Agricultural Research (ICAR)  
&  
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Earth System Science Organization**

# Realized Rainfall and Extended Range Forecast (Rainfall and Temperature)

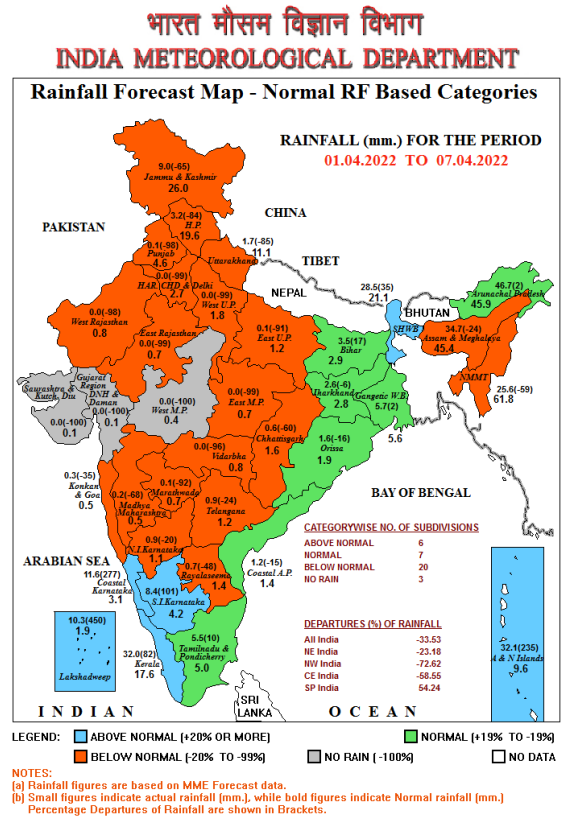
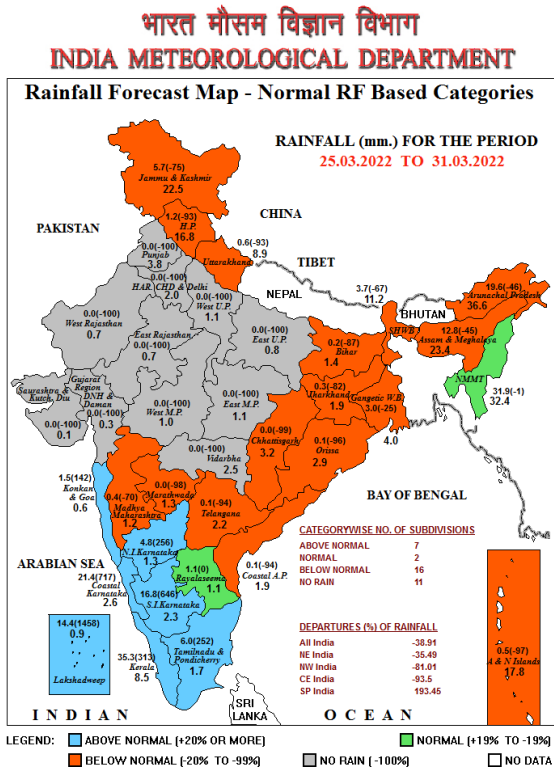
## Realized Rainfall (10<sup>th</sup> to 23<sup>rd</sup> March, 2022)



- 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 East Rajasthan, West Madhya Pradesh, Konkan & Goa, Madhya Maharashtra, Karnataka, Kerala & Mahe, Coastal Andhra Pradesh & Yanam and Rayalaseema.
- Below Normal rainfall/no rain occurred in both the weeks over rest of the States & UTs.

## Extended Range Forecast System

### Rainfall forecast maps for the next 2 weeks (IC – 23 March) (25<sup>th</sup> March to 7<sup>th</sup> April, 2022)



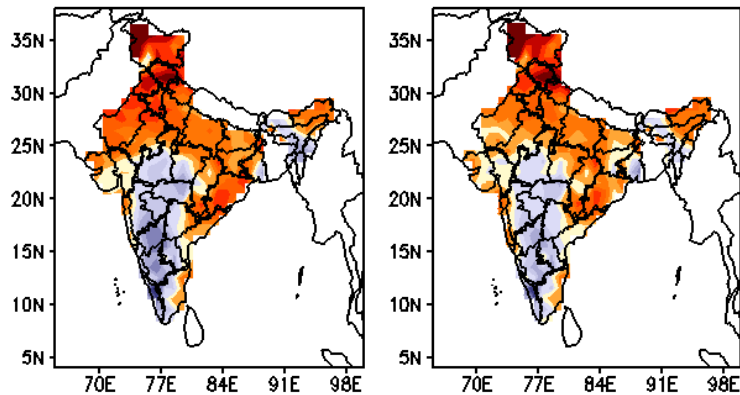
- **Week 1 (25.03.2022 to 31.03.2022) and Week 2 (01.04.2022 to 07.04.2022):** Not much influence of Western Disturbance. Northeast India and parts of the south peninsula will get rainfall during week 1 and week 2.

**Maximum and Minimum temperature anomaly ( $^{\circ}\text{C}$ ) forecast  
for next 2 weeks (IC – 23 March)  
(25<sup>th</sup> March to 7<sup>th</sup> April, 2022)**

**MME forecast Tmax anomaly (Deg C)**

(Week1: 25Mar–31Mar)

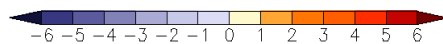
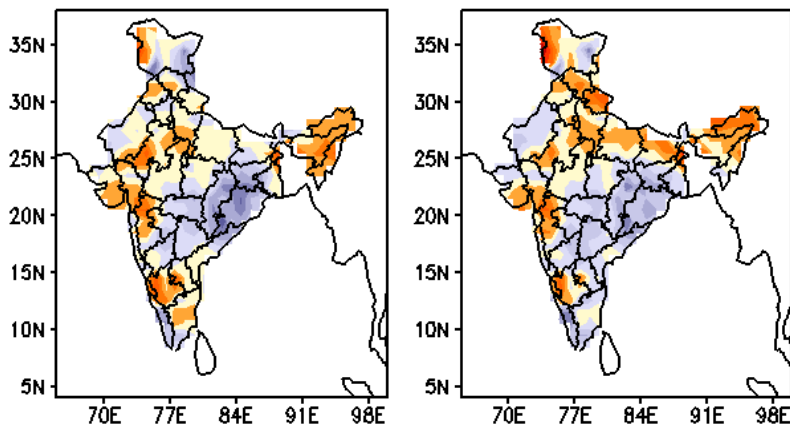
(Week2: 01Apr–07Apr)



**MME forecast Tmin anomaly (Deg C)**

(Week1: 25Mar–31Mar)

(Week2: 01Apr–07Apr)



**Maximum Temperature (Tmax)**

- **Week 1 (25.03.2022 to 31.03.2022) and Week 2 (01.04.2022 to 07.04.2022):** Slight below normal Tmax over parts of central India in week 1 and week 2, whereas above normal Tmax is likely over northwest India, western India, north India, northeastern India and parts of eastern coastal states of India like Odisha, Chhattisgarh and adjoining region.

**Minimum Temperature (Tmin)**

- **Week 1 (25.03.2022 to 31.03.2022) and Week 2 (01.04.2022 to 07.04.2022):** East central and southeastern parts of India will have slight negative Tmin anomalies covering Odisha, Chhattisgarh during the period. However, northern and northwestern, northeast India will have positive anomalies during the period.

## **Strategic Agricultural Planning based on rainfall during next two weeks till 07 April 2022**

### **Agro-met Advisories**

#### **Kerala**

Amount of rainfall received over Kerala is 26 mm (11% excess) during 01 - 24 March 2022. The extended range weather forecast (rainfall) for next two weeks (25 - 31 March 2022 and 01 - 07 April 2022) is above normal for week-1 and week-2.

- High temperature may induce pollen sterility in late sown paddy. To avoid, it is advised to keep standing water in the paddy fields.
- An increase in temperature results in the dropping of flowers in tomatoes. To reduce flower drop, mulching and watering of the tomato crop is advised.

#### **Tamil Nadu**

Amount of rainfall received over Tamil Nadu is 10 mm (-44% deficit) during 01 - 24 March 2022. The extended range weather forecast (rainfall) for next two weeks (25 - 31 March 2022 and 01 - 07 April 2022) is above normal for week-1 and normal for week-2.

- Prevailing weather conditions are congenial for infestation of sucking insects viz., thrips, aphids and hoppers incidence in chilli. To control, it is advised for basal application of FYM @ 25 t/ha with 250 kg/ha of neem cake.
- Under prevailing weather condition, it is advised to provide adequate clean water and light to the fowls to avoid heat stroke.

#### **Maharashtra**

Rainfall received over Madhya Maharashtra is 2 mm (28% excess); Marathwada is 1 mm (-79% large deficit); Konkan region is 1 mm (54% excess) and no rainfall over Vidarbha was observed during 01 - 24 March 2022. The extended range weather forecast (rainfall) for next two weeks (25 - 31 March 2022 and 01 - 07 April 2022) over Konkan is above normal, Madhya Maharashtra, Marathwada is below normal and Vidarbha is no rainfall for week-1 and; over Konkan, Madhya Maharashtra, Vidarbha and Marathwada is below normal rainfall for week-2.

#### *Vidarbha*

- Under prevailing dry/hot weather condition, need based irrigation is advised in summer crops during early morning or evening hours.
- Under prevailing weather condition, cultivation of summer vegetables like okra, cluster bean, tinda, cowpea, cucumber, gourd can be initiated during this period.

#### *Madhya Maharashtra*

- For control of powdery mildew in cucurbits, spraying of Dinocap 0.5 ml per litre of water is recommended.
- For the management of leaf curl in chilli, spraying of Dimethoate @15 to 20 ml per litre of

water is advised.

### *Konkan*

- Under prevailing weather condition, there is a possibility of incidence of thrips and white fly in chilli crops. For management, spray Fipronil 5% SC @ 16 ml per 10 litres of water or install blue sticky paper trap in the field.
- Due to forecast for cloudy weather, there is a possibility for incidence of fruit fly on mango fruits. To manage, it is advised to collect and destroy all fallen fruits and install “Rakshak fruit fly trap” @ 2 traps per acre.

### **Hisar**

Amount of rainfall received over Hisar is 0.2 mm (-99% large deficit) during 01 - 24 March 2022. The extended range weather forecast (rainfall) for next two weeks (25 - 31 March 2022 and 01 - 07 April 2022) is no rainfall for week-1 and below normal for week-2.

- Under prevailing weather condition, farmers are advised to keep vigilance on insect/pests in sugarcane and apply need-based irrigation to the crop.
- Protect the animals from changing weather. Provide 50 g iodized salt and 50 to 100 grams mineral mixture daily with animal feed/fodder to keep them healthy.

### **Uttar Pradesh**

No rainfall was received during 01 - 24 March 2022 over East Uttar Pradesh and West Uttar Pradesh. The extended range weather forecast (rainfall) for next two weeks (25 - 31 March 2022 and 01 - 07 April 2022) over East Uttar Pradesh and West Uttar Pradesh is no rainfall for week-1 and below normal for week-2.

### *Western Uttar Pradesh*

- Due to the dry weather condition, farmers are advised to maintain the moisture in their standing crops and pick up mature fruits in standing crops.
- Under prevailing dry weather condition, farmers are advised to harvest mature barley crop.

### **Jammu**

Amount of rainfall received over Jammu is 18 mm (-85% large deficit) during 01 - 24 March 2022. The extended range weather forecast (rainfall) provided for next two weeks (25 - 31 March 2022 and 01 - 07 April 2022) over Jammu is below normal for week-1 and week-2.

- To control red pumpkin beetle in cucurbits, it is advised to incorporate Phorate granules @ 10G in the pits during transplanting and under direct sowing, incorporate granules in soil.

## **Assam**

Amount of rainfall received over Assam is 2 mm (-95% large deficit) during 01 - 24 March 2022. The extended range weather forecast (rainfall) provided for next two weeks (25 - 31 March 2022 and 01 - 07 April 2022) over Assam is below normal for week-1 and week-2.

- Under assured irrigation facilities, farmers may continue nursery sowing of autumn rice (ahu rice) seeds. Recommended semi-dwarf varieties are *IR-36*, *Lachit*, *Chilarai*, *Dishang* etc. for obtaining higher yield.

## **Karnataka**

Rainfall received during 01 - 24 March 2022 over South Interior Karnataka is 11 mm (34% excess) and 4 mm (-7% deficit) received over North Interior Karnataka. The extended range weather forecast (rainfall) for next two weeks (25 - 31 March 2022 and 01 - 07 April 2022) over South Interior Karnataka and North Interior Karnataka is above normal for week-1 and; above normal over South Interior Karnataka and below normal over North Interior Karnataka for week-2.

### *South Interior Karnataka*

- To protect the pulse grains from storage pests, it is advised to apply oils of castor/linseed/honge/neem oil @ 3-5 ml per kg of grains.
- Due to continuous dry spell in previous month months, termite attack is common in horticulture crops, forestry tree and shrubs. To control it is advised to apply Aldrin termiticide.

## **West Bengal**

No rainfall was received during 01 - 24 March 2022 over Gangetic West Bengal and Sub-Himalayan West Bengal received 20 mm (-46% deficit). The extended range weather forecast (rainfall) provided for next two weeks (25 - 31 March 2022 and 01 - 07 April 2022) is below normal over Gangetic West Bengal and Sub-Himalayan West Bengal for week-1 and; normal over Gangetic West Bengal and above normal over Sub-Himalayan West Bengal for week-2.

- To protect the crop against sucking pest in chilli, it is advised to spray Imidacloprid @10 ml/10 liters of water at 15 days interval .

## **Gujarat**

No rainfall was received over Gujarat is during 01 - 24 March 2022. The extended range weather forecast (rainfall) provided for next two weeks (25 - 31 March 2022 and 01 - 07 April 2022) over Gujarat is no rainfall for week-1 and week-2.

- Because of possibility of heat wave condition, farmers are advised for light irrigation in standing crops and vegetables.



## **Andhra Pradesh**

Amount of rainfall received over Coastal Andhra Pradesh is 13 mm (126% excess) and over Rayalaseema 3 mm (-51% deficit) during 01 - 24 March 2022. The extended range weather forecast (rainfall) provided for next two weeks (25 - 31 March 2022 and 01 - 07 April 2022) over Coastal Andhra Pradesh is below normal and normal over Rayalaseema for week-1 and; normal over Coastal Andhra Pradesh and below normal over Rayalaseema for week-2.

- In Srikakulam, Vizianagaram, Chittoor, Kadapa and Guntur districts, present weather conditions are favorable for powdery mildew disease incidence in black gram. To control the disease, spraying of Hexaconazole @ 2 ml or Propiconazole @ 1 ml/litre of water is recommended.
- Present weather conditions are favorable for incidence of hoppers in mango in Nellore, Guntur, Kurnool, Prakasam and Ananthapuramu districts. To control the hoppers incidence, spraying of Dimethoate @ 2 ml or Chlorpyrifos @ 2.5 ml/litre of water is recommended.

## **Chhattisgarh**

Amount of rainfall received over Chhattisgarh is 0.8 mm (-90% large deficit) during 01 - 24 March 2022. The extended range weather forecast (rainfall) provided for next two weeks (25 - 31 March 2022 and 01 - 07 April 2022) over Chhattisgarh is below normal for week-1 and week-2.

- To control borer insects in okra and brinjal, it is advised to use pheromone traps@10nos/acre and destroy the upper portion of affected plants.
- Due to increased temperature, farmers are advised to provide irrigation in sugarcane crop as per need.

### ***Disclaimer:***

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