



National Agromet Advisory Services Bulletin

Date of issue: 24 March 2023

based on

Extended Range Weather Forecast (ERFS)

Validity: 24 March - 06 April 2023

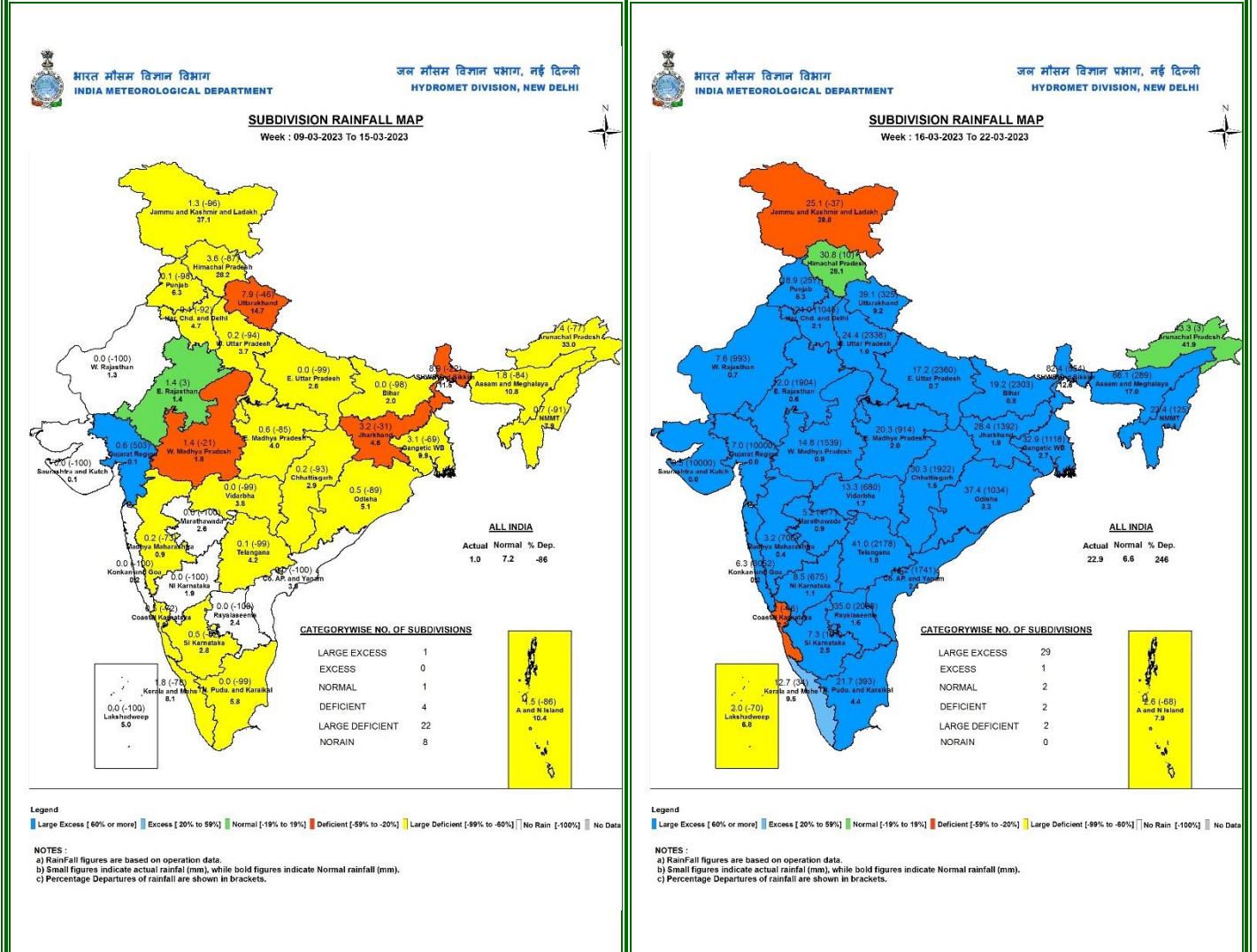
Issued by

**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

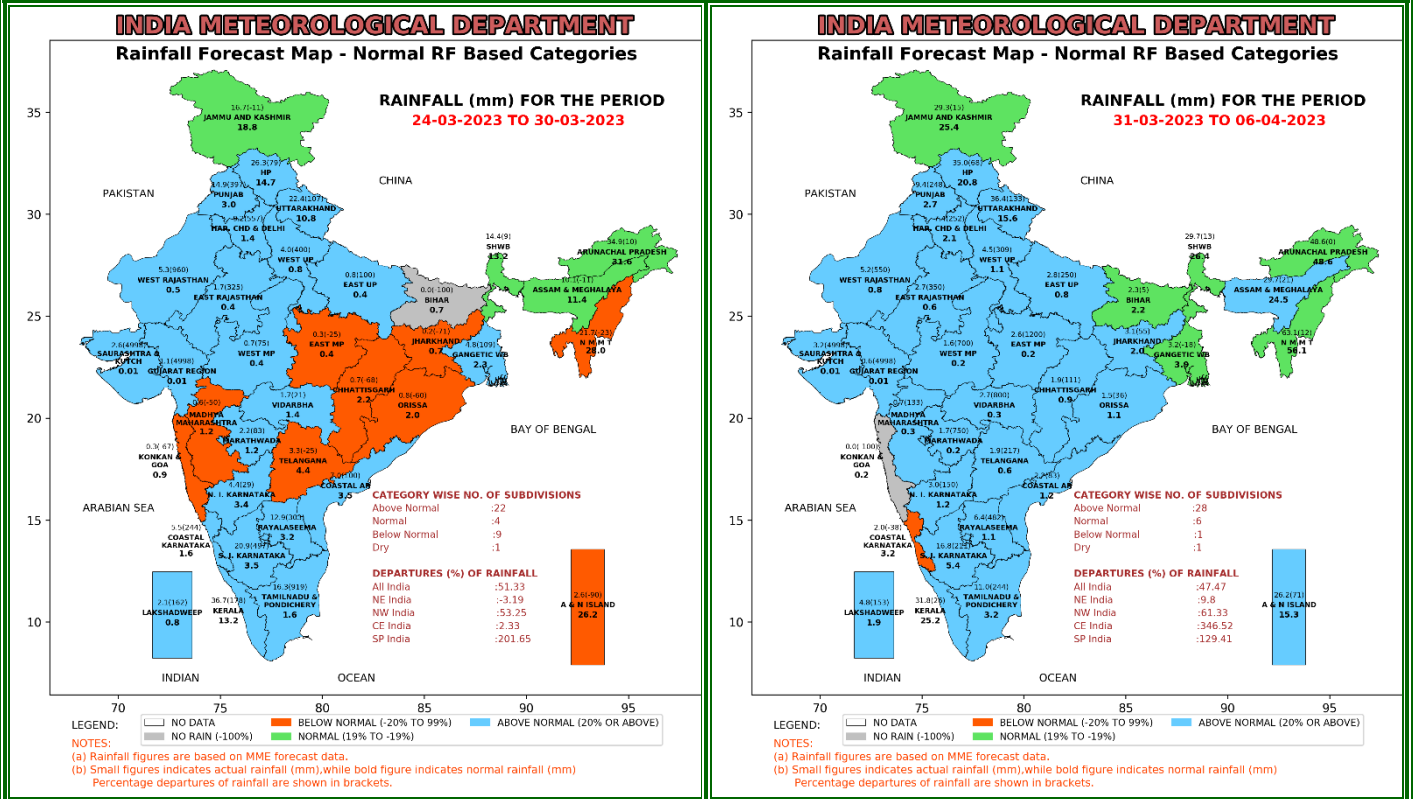
(9th to 22nd March 2023)



- Normal or above normal rainfall occurred in both the weeks in Gujarat Region and East Rajasthan.
- Below Normal rainfall/no rain occurred in both the weeks in Jammu Kashmir & Ladakh, Coastal Karnataka Lakshadweep and Andaman & Nicobar Islands.
- Normal or above normal rainfall occurred in either of the two weeks over rest of the States & UTs.

Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC- 22nd March) (24th March to 6th April 2023)



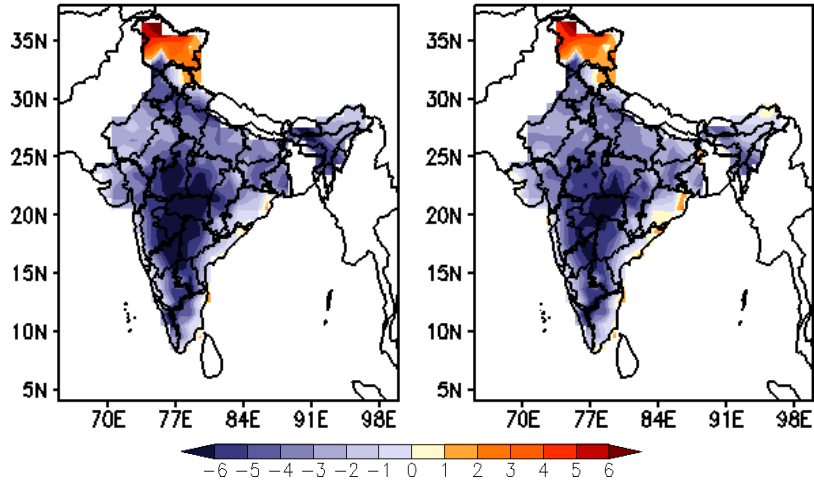
- Week 1 (24.03.2023 to 30.03.2023) and Week 2 (31.03.2023 to 06.04.2023):** Rainfall/snowfall activity associated with Western Disturbance is likely over extreme north India and parts of Northeast India. Rainfall associated with convective activity is likely over southern peninsula.

**Maximum and Minimum temperature anomaly ($^{\circ}\text{C}$) forecast
for the next 2 weeks (IC- 22nd March)
(24th March to 6th April 2023)**

MME forecast Tmax anomaly (Deg C)

(Week1: 24Mar-30Mar)

(Week2: 31Mar-06Apr)



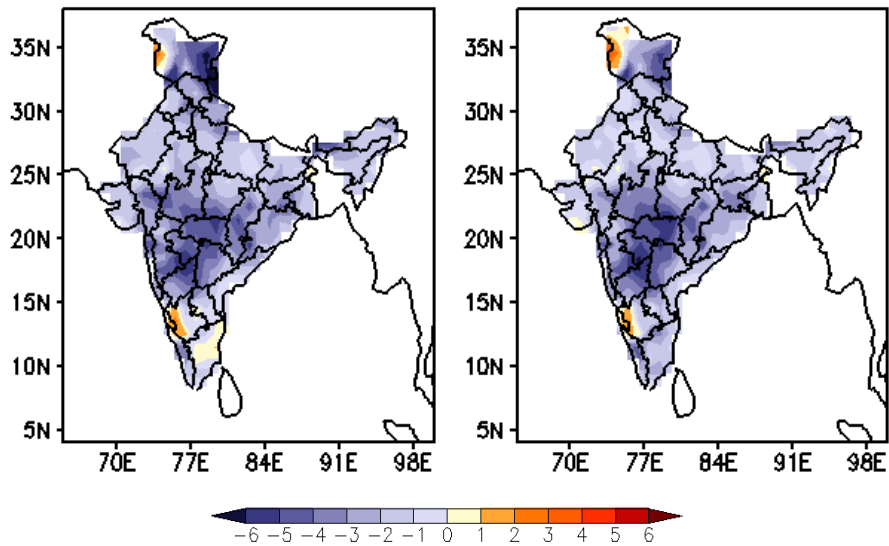
Maximum Temperature (Tmax)

- **Week 1 (24.03.2023 to 30.03.2023) and Week 2 (31.03.2023 to 06.04.2023):** Tmax is likely to be below normal over most parts of the country.

MME forecast Tmin anomaly (Deg C)

(Week1: 24Mar-30Mar)

(Week2: 31Mar-06Apr)



Minimum Temperature (Tmin)

- **Week 1 (24.03.2023 to 30.03.2023) and Week 2 (31.03.2023 to 06.04.2023):** Tmin is likely to be below normal over most parts of the country.

Agromet Advisories

Uttar Pradesh

The amount of rainfall received over East Uttar Pradesh was 17 mm (188% large excess) and over West Uttar Pradesh was 25 mm (183% large excess) during 01 - 23 March 2023. The extended range weather forecast (rainfall) for the next two weeks (24 - 30 March 2023 and 31 March - 06 April 2023) is above normal over East Uttar Pradesh and West Uttar Pradesh for week-1 and; week-2.

Western Uttar Pradesh

- Due to forecast of rainfall during next two weeks, farmers are advised to postpone the harvesting of barley crop. If the crop is harvested, the produce should be stored in a safe place.
- Due to rainy weather condition and forecast of rainfall during next two weeks, farmers are advised to stop irrigation in wheat crop.

Eastern Uttar Pradesh

- In view of the possibility of light rain in the next week, the farmers are advised to postpone the irrigation in wheat crops.

Haryana

25 mm (93% large excess) rainfall was received over Haryana during 01 - 23 March 2023. The extended range weather forecast (rainfall) provided for the next two weeks (24 - 30 March 2023 and 31 March - 06 April 2023) over Haryana is above normal for week-1 and; week-2.

- Due to possibility of rainfall and hailstorm, farmers are advised to stop application of irrigation, pesticides and fertilizer in wheat, barley and chickpea crops.
- Farmers are advised to provide 50 grams iodized salt and 50 to 100 grams mineral mixture daily with feed & green fodder/Berseem to keep the cattle healthy.

Uttarakhand

47 mm (9% excess) rainfall was received over Uttarakhand during 01 - 23 March 2023. The extended range weather forecast (rainfall) provided for the next two weeks (24 - 30 March 2023 and 31 March - 06 April 2023) over Uttarakhand is above normal for week-1 and; week-2.

- Farmers are advised to cover the vegetable nursery beds by polythene sheets or any other means during hailstorm and use anti-hail nets to cover high-value fruit trees.
- It is also advised do not irrigate the field crops; maintain proper drainage in wheat, onion, garlic, vegetable pea, etc. and avoid spraying of insecticide/pesticide.

Himachal Pradesh

39 mm (-57% deficit) rainfall was received over Himachal Pradesh during 01 - 23 March 2023. The extended range weather forecast (rainfall) provided for the next two weeks (24 - 30 March 2023 and 31 March - 06 April 2023) over Himachal Pradesh is above normal for week-1 and; week-2.

- Since there is a possibility of light to moderate rains in most parts of the state, farmers are advised to ensure proper drainage in the wheat fields as crop is susceptible to water logging.

Bihar

19.3 mm (285% large excess) rainfall received over Bihar during 01 - 23 March 2023. The extended range weather forecast (rainfall) provided for the next two weeks (24 - 30 March 2023 and 31 March - 06 April 2023) over Bihar is no rainfall for week-1 and; normal for week-2.

- Dry and hot weather is favorable for outbreak of onion thrips. Regular monitoring is advised for thrips infestation in onion. If the insect population is above ETL, spraying of Profenofos @ 1ml/litre or Imidacloprid @ 1ml/4 litres of water is advised and add sticker@ 1ml/litre of water for better result.

Jharkhand

32 mm (187% large excess) rainfall received over Jharkhand during 01 - 23 March 2023. The extended range weather forecast (rainfall) provided for the next two weeks (24 - 30 March 2023 and 31 March - 06 April 2023) over Jharkhand is below normal for week-1 and; above normal for week-2.

- Due to rainfall during past week and forecast of rainfall during second week, farmers are advised to avoid irrigation and spraying of need-based pesticides and application of fertilizer in standing crop and vegetables for coming days.
- Prevailing high humidity and low temperature favors the infestation of stem borer in timely sown, 25-28 days old rice crop. Hence, to manage, it is advised to release eggs of parasitoid *Trichogramma japonicum* thrice at weekly interval followed by the release of *Trichogramma chilonics* at 35, 45 and 50 DAT.

Assam

78 mm (88% large excess) rainfall received over Assam was during 01 - 23 March 2023. The extended range weather forecast (rainfall) for the next two weeks (24 - 30 March 2023 and 31 March - 06 April 2023) is normal for week-1 and; above normal for week-2.

- Under prevailing weather condition, land preparation may be initiated for cultivation of maize crop. Recommended hybrid varieties like Bio 9544, Vivek Maize Hybrid 47, Vivek Maize Hybrid 53 etc. or composite varieties like Dhawal, Navjot etc. for getting higher yield.
- Due to rainfall, it is advised to make necessary arrangement to drain out excess amount of water from the crop field to avoid lodging. Harvest matured vegetables and fruits and

transfer it to a safer place. In case of seedlings of fruits and vegetables cannot be transferred, make proper arrangement for firm temporary sheds made of plastic or bamboo.

Chhattisgarh

31 mm (314% large excess) rainfall received over Chhattisgarh during 01 - 23 March 2023. The extended range weather forecast (rainfall) provided for the next two weeks (24 - 30 March 2023 and 31 March - 06 April 2023) over Chhattisgarh is below normal for week-1 and; above normal for week-2.

- Due to the rains in the past week, there is sufficient moisture in the field. Therefore it is advised to sow black gram, green gram and sesame in summer.

Odisha

40 (mm) (176% large excess) rainfall received over Odisha during 01 - 23 March 2023. The extended range weather forecast (rainfall) provided for the next two weeks (24 - 30 March 2023 and 31 March - 06 April 2023) over Odisha is below normal for week-1 and; above normal for week-2.

- After receding of rain water, there is a chance of swarming caterpillar infestation in summer paddy. To control, it is advised to spray Chlorpyrifos 50 % + Cypermethrin 5 % EC @ 400 ml/acre or Lambda-cyhalothrin @ 400 ml/acre.
- Under prevailing rainy weather condition, it is advised to drain out excess water from standing vegetable and non paddy field by keeping drain ends open and withheld sowing, spraying of pesticide and irrigation activities for some days.

Jammu

The amount of rainfall received over Jammu was 40 mm (-66% large deficit) during 01 - 23 March 2023. The extended range weather forecast (rainfall) provided for the next two weeks (24 - 30 March 2023 and 31 March - 06 April 2023) over Jammu is normal for week-1 and; week-2.

- Prevailing weather is congenial for yellow rust infestation in wheat crop. If observed, it is advised to apply prophylactic spray of Propiconazole (Tilt) 25 EC 0.1 % @ 1ml/ litre of water.

Tamil Nadu

The amount of rainfall received over Tamil Nadu was 23 mm (38% excess) during 01 - 23 March 2023. The extended range weather forecast (rainfall) for the next two weeks (24 - 30 March 2023 and 31 March - 06 April 2023) is above normal for week-1 and; week-2.

- Since light rainfall is expected in next two week, it is advised to postpone the picking of cotton bolls at harvest stage.

Kerala

15 mm (-42% deficit) received over Kerala during 01 - 23 March 2023. The extended range weather forecast (rainfall) for the next two weeks (24 - 30 March 2023 and 31 March - 06 April 2023) is above normal for week-1 and; week-2.

- Due to the increased temperature, the infestation of sucking pests like aphids, whitefly etc. on vegetable crops are increasing day by day. To control it, spray *Leccanicilium leccani* 20 g per liter at weekly intervals.
- During the high temperature, there is a chance for increase in the indigestion and acidity in cattles. To avoid this, give 30g sodium bicarbonate with one tea spoon yeast mixed with cattle feed.

Maharashtra

6 mm (151% large excess) rainfall over Madhya Maharashtra; 6 mm (7% excess) in Marathwada; 7 mm (474% large excess) in Konkan region and 14 mm (59% excess) over Vidarbha was recorded during 01 - 23 March 2023. The extended range weather forecast (rainfall) for the next two weeks (24 - 30 March 2023 and 31 March - 06 April 2023) is above normal over Konkan and Madhya Maharashtra is below normal and Marathwada and Vidarbha is above normal for week -1 and; no rainfall over Konkan and above normal over Madhya Maharashtra, Marathwada and Vidarbha for week -2, respectively.

Vidarbha

- In view of rainfall during next two weeks, it is advised to harvest matured chickpea and wheat immediately and keep the harvested produce safely. In case of sudden rainfall, keep tarpaulin ready to cover the harvested produce.
- Taking advantage of the available moisture in the soil due to recent rain spells, deep summer ploughing of harvested fields to expose the hibernating insects, larvae/pupa to sun and predator birds is advisable.

Marathwada

- Due to forecast of rain, it is advised to harvest matured *rabi* crops like safflower, *rabi* sorghum and wheat etc. as early as possible. Store the threshed grain at safe places. If harvested produce is wet due to isolated hail and rainfall, threshing should be done after sun drying.

Madhya Maharashtra

- To control of fruit drop in mango orchards, spraying of 20 ppm Planofix is advised. And also spraying of Karathane @ 5 ml per 10 litre of water is advised for the control of fungal diseases in mango.

Konkan

- Due to prevailing cloudy weather and forecast of rainfall in week-2, there is possibility of incidence of anthracnose disease on inflorescence and fruits of mango. To prevent, it is advised to go for protective spraying of Carbendazim 12% + Mancozeb 63% @ 10 g per 10 litres of water.

Anantapur

35 mm (424% large excess) rainfall received over Rayalaseema and 47 mm (425% large excess) rainfall received over Coastal Andhra Pradesh during 01 - 23 March 2023. The extended range weather forecast (rainfall) provided for the next two weeks (24 - 30 March 2023 and 31 March - 06 April 2023) is above normal over Rayalaseema and Coastal Andhra Pradesh for week-1 and; week-2.

- Prevailing weather conditions are congenial for the incidence of stalk rot in maize grown in Kurnool, Prakasam, Ananthapuramu, Krishna, Guntur, YSR Kadapa and Nandyal districts. To control the disease, soil drenching with Carbendazim @ 1 g or Copper Oxy Chloride @ 3 g/litre of water is recommended.

Gujarat

10 mm (4938% large excess) rainfall received over Gujarat during 01 - 23 March 2023. The extended range weather forecast (rainfall) provided for the next two weeks (24 - 30 March 2023 and 31 March - 06 April 2023) over Gujarat is above normal for week-1 and; week-2.

- Complete the harvesting of matured tobacco crops as soon as possible during clear weather condition. Keep the harvested produce at safe places after proper sun drying.

Disclaimer:

The predictability of weather depends on many factors which are dynamic in nature. The success of Agromet advisories provided here depends on the accuracy of the weather forecast. In no event, India Meteorological Department (IMD) and Indian Council of Agricultural Research (ICAR) will be liable to the user or to any third party for any direct, indirect, incidental, consequential, special or exemplary damages or lost profit resulting from any use or misuse of the information presented in this bulletin.