



National Agromet Advisory Service Bulletin

based on

Extended Range Weather Forecast (ERFS)

Validity: 17 - 30 June 2022

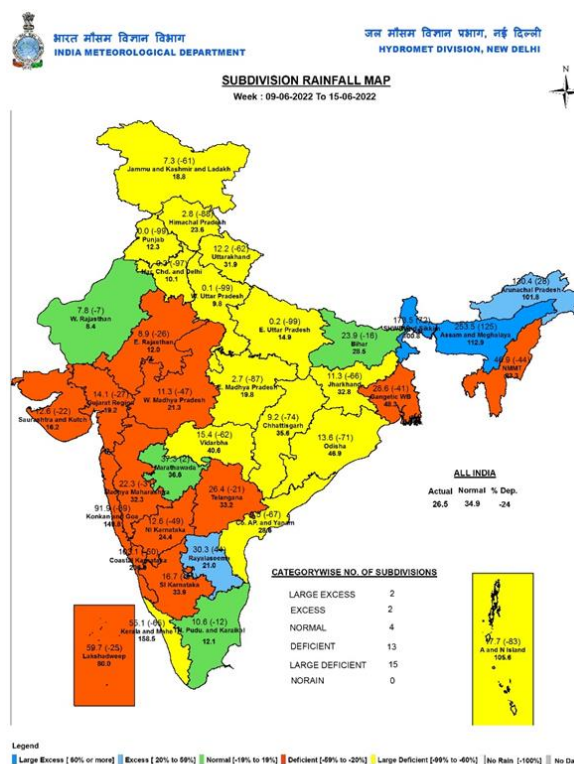
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&
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Earth System Science Organization**

Realized Rainfall and Extended Range Forecast (Rainfall and Temperature)

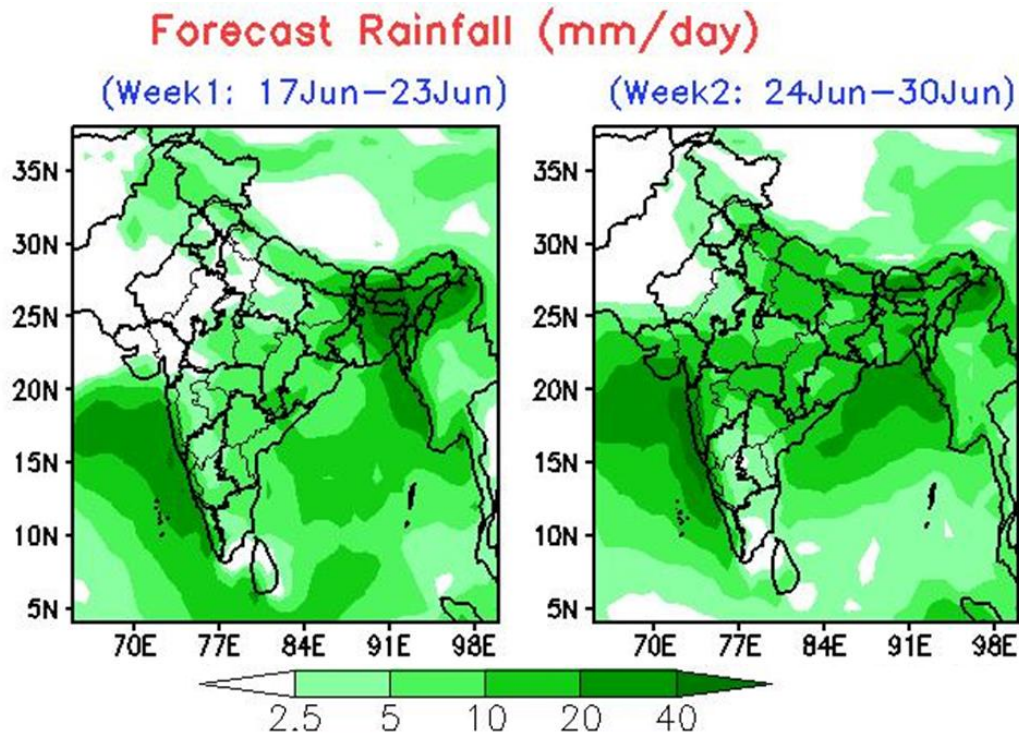
Realized Rainfall (2nd to 15th June, 2022)



- Normal or above normal rainfall occurred in both the weeks in Arunachal Pradesh, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Rayalaseema and Tamil Nadu Puducherry & Karaikal.
- Normal or above normal rainfall occurred in either of the two weeks in Andaman & Nicobar Islands, Bihar, West Rajasthan, Marathwada, North & South Interior Karnataka and Lakshadweep.
- Below Normal rainfall/no rain occurred over rest of the States & UTs.

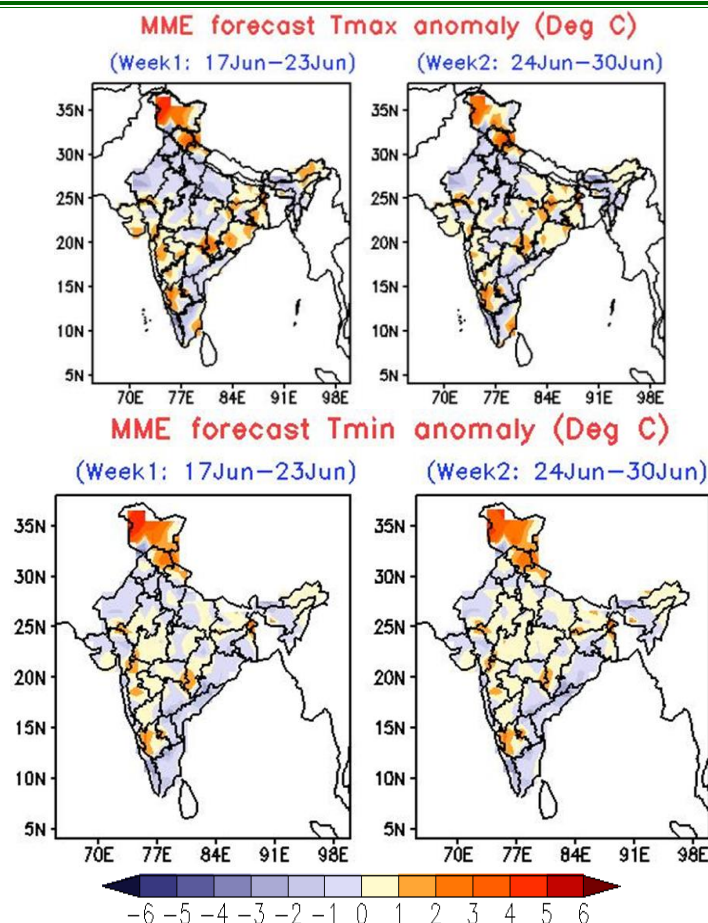
Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC – 15th June)
(17th to 30th June 2022)



- **Week 1 (17.06.2022 to 23.06.2022):** The South east peninsular and northeast India will get rainfall. Rainfall associated with Western Disturbance is likely over northwest India. Rainfall is likely to be below normal over parts of central India.
- **Week 2 (24.06.2022 to 30.06.2022):** Monsoon rainfall will increase over western and northern parts of India.

**Maximum and Minimum temperature anomaly ($^{\circ}\text{C}$) forecast
for next 2 weeks (IC – 15th June)
(17th to 30th June 2022)**



Maximum Temperature (Tmax)

- **Week 1 (17.06.2022 to 23.06.2022) and Week 2 (24.06.2022 to 30.06.2022):** Some parts of eastern coastal region of Odisha and adjoining Jharkhand, Chhattisgarh, Northern parts of India will have above normal Tmax during the period and rest of the region is mainly normal to slightly below normal.

Minimum Temperature (Tmin)

- **Week 1 (17.06.2022 to 23.06.2022) and Week 2 (24.06.2022 to 30.06.2022):** Slightly higher Tmin over parts of central India and northern India during the period and it is almost normal in rest of the regions.

Strategic Agricultural Planning based on rainfall during the next two weeks till 30 June 2022

Agromet Advisories

Kerala

The amount of rainfall received over Kerala is 132 mm (-59% large deficit) during 01 - 16 June 2022. The extended range weather forecast (rainfall) for the next two weeks (17 - 23 June 2022 and 24 - 30 June 2022) is below normal for week-1 and week-2.

- To avoid lodging due to heavy wind, propping in banana orchard is advised. After bunch emergence, cover the bunch to protect from hazardous effects of heat and cold.
- During rainy season, there is a chance of leaf fall in nutmeg. As a prophylactic measure spray 1% Bordeaux mixture two to three times at one-week interval.

Tamil Nadu

The amount of rainfall received over Tamil Nadu is 40 mm (34% excess) during 01 - 16 June 2022. The extended range weather forecast (rainfall) for the next two weeks (17 - 23 June 2022 and 24 - 30 June 2022) is below normal for week-1 and week-2.

- Prevailing weather condition is favorable for mealybug infestation in guava and mango. Farmers are advised to spray Triazophos 2 ml+ Neem oil 5 ml/litre or Phosalone 35 EC 1.5 ml + Neem oil 5 ml/litre.
- Under prevailing hot weather condition, farmers are advised to provide adequate clean water and light to the fowls to avoid heat stroke.

Maharashtra

29 mm (-60% large deficit) rainfall over Madhya Maharashtra; 44 mm (-33% deficit) in Marathwada; 107 mm (-60% large deficit) in Konkan region and 23 mm (-64% large deficit) over Vidarbha was observed during 01 - 16 June 2022. The extended range weather forecast (rainfall) for the next two weeks (17 - 23 June 2022 and 24 - 30 June 2022) over Konkan, Madhya Maharashtra, Marathwada and Vidarbha is below normal for week-1 and week-2.

Madhya Maharashtra

- To reduce rate of evapotranspiration in fruit crops like grape, pomegranate, mango and sapota and to maintain soil temperature in fruit orchards, mulching with sugarcane trash or farm waste @ 5 to 7 tons per ha is recommended.
- In citrus fruit crop for the control of mealy bug, spraying of Rogar @ 2 ml per litre is recommended.

Konkan

- There is forecast for light to moderate rainfall, it is advice to undertake new plantation of mango, cashewnut, sapota, jackfruit, aonla etc. fruit crops.
- For protection from wilt or stem rot disease, it is advised to apply Trichoderma @ 2 g per pit by mixing with FYM at time of planting.

Vidarbha

- Under prevailing weather condition, sowing of green gram and black gram is advised.

Recommended green gram varieties are *PKV-green gold*, *PKV mug-8802*, *PKV-AKM-4* and for black gram *PKV udid15*, *TAU-1*, *TAU-2* and *PDKV black gold (AKU-10-1)*.

Hisar

The amount of rainfall received over Hisar was 2 mm (-92% large deficit) during 01 - 16 June 2022. The extended range weather forecast (rainfall) for the next two weeks (17 - 23 June 2022 and 24 - 30 June 2022) is below normal for week-1 and week-2.

- As there is a possibility of variable or dry weather and increase in day temperature, farmers are advised to apply light irrigation for vegetable crops and fruits plants as per requirement.
- Under prevailing weather condition, farmers are advised for sowing of sorghum, maize and lobia as a fodder crop.

Uttar Pradesh

The amount of rainfall received over East Uttar Pradesh was 1 mm (-95% deficit) and 0.7 mm (-97% large deficit) received over West Uttar Pradesh during 01 - 16 June 2022. The extended range weather forecast (rainfall) for the next two weeks (17 - 23 June 2022 and 24 - 30 June 2022) is below normal over East Uttar Pradesh and West Uttar Pradesh for week-1 and week-2.

Western Uttar Pradesh

- Under prevailing weather condition, farmers are advised for sowing of *kharif* maize varieties such as *Hybrid Dakan-107*, *Malveya-2*, *JH-3459*, *Prakash*, *PSM-5*, *Pro-303*, *KH-510*, *MMH-113* and Composite varieties *Novjoti*, *Pusa-2*, *Prabhat* and *Azad uttam*.
- Farmers are advised to follow a regular vaccination programme in cattle, buffalo, goat, sheep and poultry to prevent the infectious diseases.

Eastern Uttar Pradesh

- Under prevailing weather condition, farmers are advised for nursery raising of late maturity paddy varieties such as *Sabha Mahsuri*, *Swarna*, *Swarna sub-1*, *Jallahri* and *Jal Priya* etc. an earliest.
- To prevent premature fall of mango, it is advised to spray of Naphthalene acetic acid @ a 20g/ litre of water.

Jammu

13 mm of rainfall (-64% large deficit) was received over Jammu during 01 - 16 June 2022. The extended range weather forecast (rainfall) provided for the next two weeks (17 - 23 June 2022 and 24 - 30 June 2022) over Jammu is below normal for week-1 and week-2.

- Land preparation and sowing of seeds for raising nursery of rainy annuals after receipt of rain can be taken up.
- To control fruit fly in cucurbits, it is advised to apply Malathion @ 1.5ml/litre at weekly interval. Use of fruit fly traps is also recommended @ 1-2 traps/kanal.

Assam

The amount of rainfall received over Assam during 01 - 16 June 2022 was 486 mm (103% large excess). The extended range weather forecast (rainfall) provided for the next two weeks (17 - 23

June 2022 and 24 - 30 June 2022) over Assam is below normal for week-1 and week-2.

- Weather is favorable for jute hairy caterpillar and semi looper in jute crop. Therefore, for effective control these pests, spraying of Quinalphos 25 EC 2 ml per liter of water or Monocrotophos 40 EC 1.5 ml per litre of water is advised.
- Infestation of stem borer may be observed in kharif maize. To control, it is advised to apply Fenitrothion 50EC solution prepared by mixing 1.0 litre chemical in 200-250 litres of water for spraying in 7.5 bigha land.

Chhattisgarh

The amount of rainfall received over Chhattisgarh was 22 mm (-61% large deficit) during 01 - 16 June 2022. The extended range weather forecast (rainfall) provided for the next two weeks (17 - 23 June 2022 and 24 - 30 June 2022) over Chhattisgarh is below normal for week-1 and week-2.

- Mulching is advised in ginger and turmeric crops and water drainage should be well managed before rainy season.
- Farmers having the assured irrigation facilities are advised to irrigate the fields for preparing the raised bed for rice nursery.

Karnataka

Rainfall received during 01 - 16 June 2022 over South Interior Karnataka was 63 mm (-15% deficit) and 44 mm (-23% deficit) received over North Interior Karnataka. The extended range weather forecast (rainfall) for the next two weeks (17 - 23 June 2022 and 24 - 30 June 2022) over North Interior Karnataka and South Interior Karnataka is below normal for week-1 and week-2.

South Interior Karnataka

- Take up land preparation and strengthen the bund with fodder grass which will facilitate conservation of rainwater due to pre-monsoon showers.
- Farmers are advised to take up ploughing in areas where rainfall received, to improve infiltration and conservation of rain water but also avoids soil erosion.

Uttarakhand

The amount of rainfall received over Uttarakhand was 21 mm (-68% large deficit) during 01 - 16 June 2022. The extended range weather forecast (rainfall) provided for the next two weeks (17 - 23 June 2022 and 24 - 30 June 2022) over Uttarakhand is below normal for week-1 and week-2.

- Under prevailing weather condition, it is advised to provide surface drainage especially in vegetable crops to facilitate the removal of excess water.
- Under prevailing weather condition, plucking of ripened fruits of tomato, capsicum, cucumber is advised and also advised to cover the fruit bearing plants by anti-hail nets to protect from hails.

Andhra Pradesh

The amount of rainfall received over Coastal Andhra Pradesh was 32 mm (-41% deficit) and over Rayalaseema 55 mm (23% excess) during 01 - 16 June 2022. The extended range weather forecast

(rainfall) provided for the next two weeks (17 - 23 June 2022 and 24 - 30 June 2022) over Coastal Andhra Pradesh and Rayalaseema is below normal for week-1 and week-2.

- Farmers growing castor in Kurnool and Ananthapuramu districts are advised to select the varieties suitable for dryland conditions viz., *Kranthi*, *Jwala*, *Jyothi*, *Kiran*, *PCH-111*, *DCH-519*, *DCH-177* and *ICH-66*.
- Under prevailing weather condition, farmers are advised to take up land preparation with the available soil moisture and keep the fields ready for sowing of *kharif* crops.

Punjab

The amount of rainfall received over Punjab was 3 mm (-84% large deficit) during 01 - 16 June 2022. The extended range weather forecast (rainfall) provided for the next two weeks (17 - 23 June 2022 and 24 - 30 June 2022) over Punjab is below normal for week-1 and week-2.

- Due to prevailing high temperatures, farmers are advised to frequently irrigate the crops/orchards/vegetables so as to save the crops from heat stress.
- To protect the young fruit plants from intense heat, it is advised to cover them with straw of date palm leaves and also apply frequent water to young plants.

Gujarat

The amount of rainfall received over Gujarat was 16 mm (-60% large deficit) during 01 - 16 June 2022. The extended range weather forecast (rainfall) provided for the next two weeks (17 - 23 June 2022 and 24 - 30 June 2022) over Gujarat is normal for week-1 and week-2.

- Under prevailing weather conditions, farmers are advised to start sowing of chilli, tomato and brinjal seeds in raised bed or portrays with cocopeat for raising of seedlings for *kharif* transplanting.

Himachal Pradesh

The amount of rainfall received over Himachal Pradesh was 10 mm (-76% large deficit) during 01 - 16 June 2022. The extended range weather forecast (rainfall) provided for the next two weeks (17 - 23 June 2022 and 24 - 30 June 2022) over Himachal Pradesh is below normal for week-1 and week-2.

- High temperature is expected in the next few days, therefore, farmers are advised for harvesting of mature vegetables at morning and evening hours and after harvesting of crops keep it in the shade.
- The time is also suitable for the sowing of paddy nursery wherever irrigation facilities are available. The varieties recommended for cultivation under lowland transplanted conditions include *HPR-2143*, *HPR-1068*, *RP-2421*, *HPR 2720* and *HPR 2880*.

West Bengal

The amount of rainfall received over Gangetic West Bengal was 54 mm (-44% deficit) and Sub Himalayan West Bengal received 344 mm (64% excess) during 01 - 16 June 2022. The extended range weather forecast (rainfall) provided for the next two weeks (17 - 23 June 2022 and 24 - 30 June 2022) is below normal over Gangetic West Bengal and Sub-Himalayan West Bengal for week-

1 and week-2.

- To control mango hopper in orchard, it is advised to spray Dimethoate 30 EC @ 10ml/10 lit. of Water.

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