



## **National Agromet Advisory Service Bulletin**

based on

**Extended Range Weather Forecast (ERFS)**

**Validity: 10 - 23 June 2022**

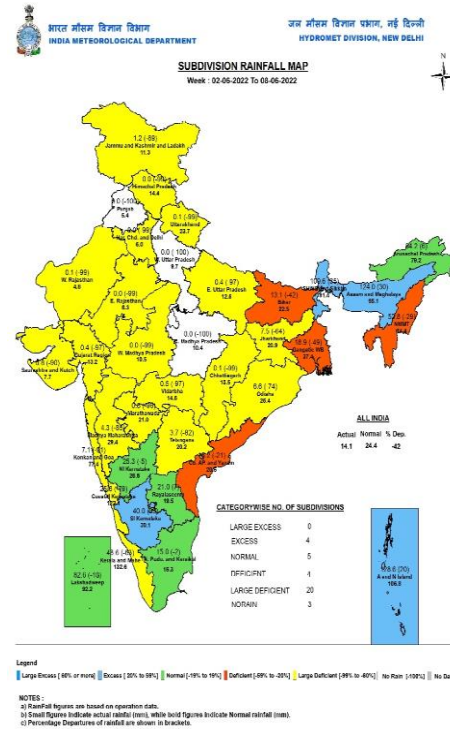
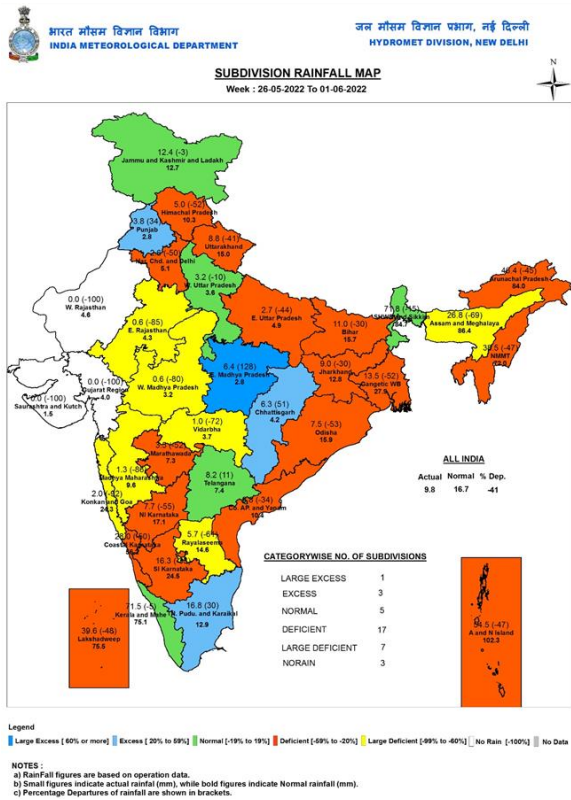
**Date of issue: 10 June 2022**

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)

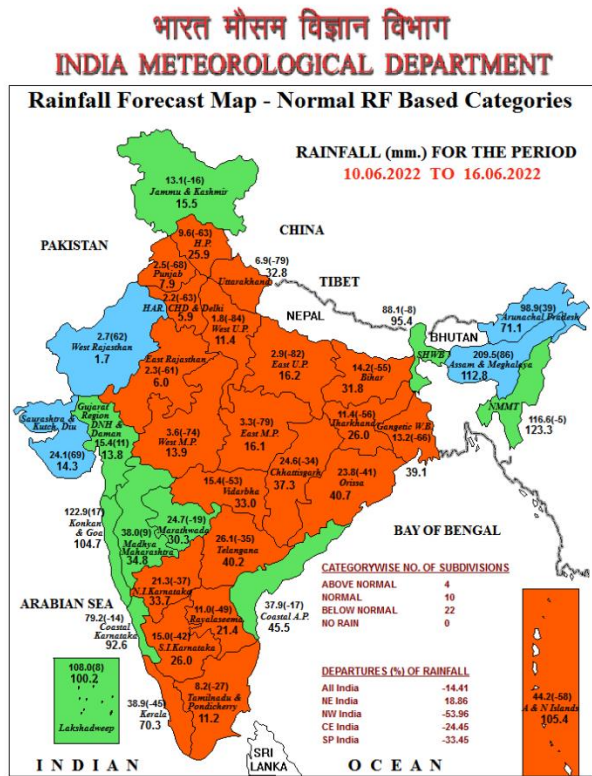
### Realized Rainfall (26<sup>th</sup> May to 8<sup>th</sup> June, 2022)



- Normal or above normal rainfall occurred in both the weeks in Sub-Himalayan West Bengal & Sikkim and Tamil Nadu Puducherry & Karaikal.
- Normal or above normal rainfall occurred in either of the two weeks in Jammu & Kashmir and Ladakh (UTs), Punjab, West Uttar Pradesh, East Madhya Pradesh, Chhattisgarh, Arunachal Pradesh, Assam & Meghalaya, Nagaland Manipur Mizoram & Tripura (NMMT), Telangana, Rayalaseema, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe Lakshadweep and Andaman & Nicobar Islands.
- Below Normal rainfall/no rain occurred over rest of the States & UTs.

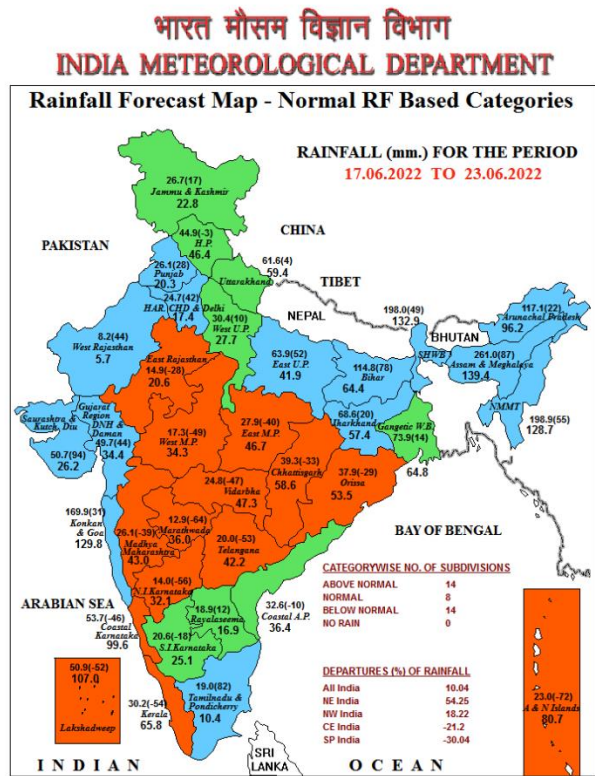
## Extended Range Forecast System

### Rainfall forecast maps for the next 2 weeks (IC – 8<sup>th</sup> June) (10<sup>th</sup> to 23<sup>rd</sup> June 2022)



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.



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.

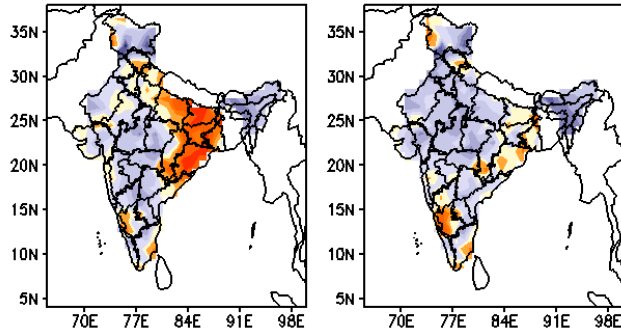
- **Week 1 (10.06.2022 to 16.06.2022):** The South peninsula and NE India will get rainfall in week 1. However, the rainfall is likely to be below normal in week 1 over most parts of India.
- **Week 2 (17.06.2022 to 23.06.2022):** Monsoon rainfall will increase over western parts of India and also over the Northeast India. The rainfall is likely to be below normal in week 2 also over most parts of India.

**Maximum and Minimum temperature anomaly ( $^{\circ}\text{C}$ ) forecast  
for next 2 weeks (IC – 8<sup>th</sup> June)  
(10<sup>th</sup> to 23<sup>rd</sup> June 2022)**

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

(Week1: 10Jun–16Jun)

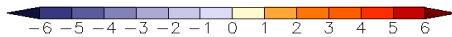
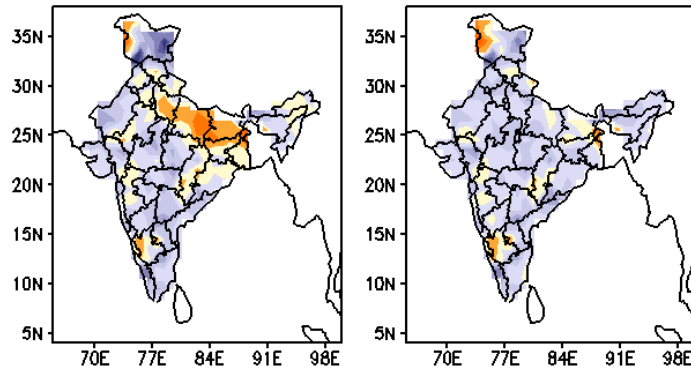
(Week2: 17Jun–23Jun)



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

(Week1: 10Jun–16Jun)

(Week2: 17Jun–23Jun)



**Maximum Temperature (Tmax)**

- **Week 1 (10.06.2022 to 16.06.2022) and Week 2 (17.06.2022 to 23.06.2022):** Some parts of eastern coastal region of Odisha and adjoining Jharkhand, Chhattisgarh, Bihar will have above normal Tmax **in both the weeks**. Rest of the region is mainly normal to slightly below normal.

**Minimum Temperature (Tmin)**

- **Week 1 (10.06.2022 to 16.06.2022) and Week 2 (17.06.2022 to 23.06.2022):** Higher Tmin over Indo-Gangetic regions and adjoining central India in week 2 and partly in week 1.

## Strategic Agricultural Planning based on rainfall during the next two weeks till 23 June 2022

### Agromet Advisories

#### Kerala

The amount of rainfall received over Kerala is 72 mm (-61% large deficit) during 01 - 10 June 2022. The extended range weather forecast (rainfall) for the next two weeks (10 - 16 June 2022 and 17 - 23 June 2022) is below normal for week-1 and week-2.

- During rainy season, there is a chance of sigatoka disease in banana. As a prophylactic measure, it is advised to spray 20g *Pseudomonas* per one litre of water.

- 

#### Tamil Nadu

The amount of rainfall received over Tamil Nadu is 19 mm (-6% deficit) during 01 - 10 June 2022. The extended range weather forecast (rainfall) for the next two weeks (10 - 16 June 2022 and 17 - 23 June 2022) is below normal for week-1 and above normal for 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

14 mm (-66% large deficit) rainfall over Madhya Maharashtra; 15 mm (-54% deficit) in Marathwada; 24 mm (-81% large deficit in Konkan region and 3 mm (-89% large deficit) over Vidarbha was observed during 01 - 10 June 2022. The extended range weather forecast (rainfall) for the next two weeks (10 - 16 June 2022 and 17 - 23 June 2022) over Konkan, Madhya Maharashtra, Marathwada is normal and Vidarbha is below normal for week-1 and over Konkan is above normal, below normal over Madhya Maharashtra Marathwada and Madhya Maharashtra for 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.
- Under prevailing hot weather, it is advised to protect newly planted orchard from heat by providing shade over the plants.

#### *Konkan*

- To prevent the incidence of bud rot disease on young coconut plant during monsoon season, it is advised to spray 1% Bordeaux mixture onto the crown region of palm.

- Due to forecast of thunderstorm along with lightning and rain and gusty winds at isolated places over district, farmers are advised to keep farm animals at safe place and away from open water, pond or river.

#### *Vidarbha*

- Under prevailing weather condition, it is advised for nursery seed sowing of vegetables like chilli, tomato and brinjal for *kharif* transplanting.

#### *Marathwada*

- Due to forecast of thunderstorm accompanied with lightning and light to moderate rain and gusty wind at isolated places it is advised to provide mechanical support to young fruit plants.

#### **Hisar**

The amount of rainfall received over Hisar was 0.1 mm (-99% large deficit) during 01 - 10 June 2022. The extended range weather forecast (rainfall) for the next two weeks (10 - 16 June 2022 and 17 - 23 June 2022) is below normal for week-1 and above normal for 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 0.4 mm (-97% deficit) and no rainfall observed over West Uttar Pradesh during 01 - 10 June 2022. The extended range weather forecast (rainfall) for the next two weeks (10 - 16 June 2022 and 17 - 23 June 2022) is below normal over East Uttar Pradesh and West Uttar Pradesh for week-1 and; over East Uttar Pradesh is above normal and over West Uttar Pradesh is normal for week-2.

#### *Western Uttar Pradesh*

- Under prevailing weather condition, sowing of short duration varieties of pigeon pea like *Paras*, *UPAS-120*, *Type-21* and *Pusa-992* after 30 May is advised.
- 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, there is a possibility of thrips infestation in mango orchards. For management, it is advised to use blue sticky trap and spray Neem oil (@ 5 ml per litre of water solution).
- Due to changing weather and increasing day temperature, farmers are advised that, keep the

animals inside the shade and clean the area around the shed to avoid infestation of house flies and others.

### **Jammu**

4 mm of rainfall (-77% large deficit) was received over Jammu during 01 - 10 June 2022. The extended range weather forecast (rainfall) provided for the next two weeks (10 - 16 June 2022 and 17 - 23 June 2022) over Jammu is normal for week-1 and week-2.

- Due to rise in temperature, farmers are advised to protect young fruit plants from heat by providing thatches/cover, but ensure free circulation of air.
- After receipt of rain, farmers are advised to start the land preparation and sowing of seeds for raising nursery of rainy annuals.

### **Assam**

The amount of rainfall received over Assam during 01 - 10 June 2022 was 169 mm (23% excess). The extended range weather forecast (rainfall) provided for the next two weeks (10 - 16 June 2022 and 17 - 23 June 2022) over Assam is above normal for week-1 and week-2.

- Under prevailing weather condition, farmers are advised to harvest the matured green gram and black gram crops from the field and transfer the pods to a safer location.
- To protect the goats and sheep from contagious Ecthyma disease, it is advised to immunize them at 6-8 weeks of age with vaccines after proper consultation with a veterinary doctor.

### **Chhattisgarh**

The amount of rainfall received over Chhattisgarh was 0.3 mm (-98% large deficit) during 01 - 10 June 2022. The extended range weather forecast (rainfall) provided for the next two weeks (10 - 16 June 2022 and 17 - 23 June 2022) over Chhattisgarh is below normal for week-1 and week-2.

- Farmers having the assured irrigation facilities are advised to irrigate the fields for preparing the raised bed for rice nursery.
- Farmers are advised for ploughing the fields to control weeds and pests and also to facilitate the sowing of rice nursery by the first week of June.

### **Karnataka**

Rainfall received during 01 - 10 June 2022 over South Interior Karnataka was 44 mm (5% excess) and 35 mm (-2% deficit) received over North Interior Karnataka. The extended range weather forecast (rainfall) for the next two weeks (10 - 16 June 2022 and 17 - 23 June 2022) over South Interior Karnataka and North Interior Karnataka is below normal for week-1 and; normal over South Interior Karnataka and below normal over North Interior Karnataka for week-2.

*South Interior Karnataka*

- Due to sufficient rainfall received in May, sowing of long duration crops like red gram (*BRG-1, 2, 4 & 5, TTB-7*) and Castor (*DCH-9, 32 & 177*) is recommended.
- 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 1 mm (-97% large deficit) during 01 - 10 June 2022. The extended range weather forecast (rainfall) provided for the next two weeks (10 - 16 June 2022 and 17 - 23 June 2022) over Uttarakhand is below normal for week-1 and normal for week-2.

- Under prevailing weather condition, farmers are advised to maintain optimum soil moisture in fruit bearing plants through irrigation at regular intervals.

### **Andhra Pradesh**

The amount of rainfall received over Coastal Andhra Pradesh was 16 mm (-14% deficit) and over Rayalaseema 23 mm (-11% deficit) during 01 - 10 June 2022. The extended range weather forecast (rainfall) provided for the next two weeks (10 - 16 June 2022 and 17 - 23 June 2022) over Coastal Andhra Pradesh normal and over Rayalaseema is below normal for week-1 and; normal over Rayalaseema and Coastal Andhra Pradesh for 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*.
- Present weather conditions are favourable for the incidence and spread of sigatoka leaf spot disease in banana grown in Vizianagaram, Nellore and Kadapa districts. To control the spread of this disease, spraying of Propiconazole @ 0.1% (or) Tebuconazole + Trifloxystrobin @ 1ml/litre for 2-3 times in 25 days interval is recommended.

### **Punjab**

The amount of rainfall received over Punjab was 0.0 mm (-99% large deficit) during 01 - 10 June 2022. The extended range weather forecast (rainfall) provided for the next two weeks (10 - 16 June 2022 and 17 - 23 June 2022) over Punjab is below normal for week-1 and above normal for 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.

### **Rajasthan**



The amount of rainfall received over Rajasthan was 0.1 mm (-99% large deficit) during 01 - 10 June 2022. The extended range weather forecast (rainfall) provided for the next two weeks (10 - 16 June 2022 and 17 - 23 June 2022) over Rajasthan is below normal for week-1 and week-2.

- First week to second week of the June month is appropriate time for sowing of groundnut.

### **Himachal Pradesh**

The amount of rainfall received over Himachal Pradesh was 0.8 mm (-96% large deficit) during 01 - 10 June 2022. The extended range weather forecast (rainfall) provided for the next two weeks (10 - 16 June 2022 and 17 - 23 June 2022) over Himachal Pradesh is below normal for week-1 and normal for week-2.

- Sowing of maize is advised after ensuring the soil moisture or after rains. The recommended varieties include *Giriraj Composite*, *Bajaura Makka*, *HQPM-1*, *PMZ-4*, *Bajaura Corn*, *Bajaura Sweet Corn*, and *Palam Sankar Makka-2*.
- 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*.

### **Jharkhand**

The amount of rainfall received over Jharkhand was 10 mm (-67% large deficit) during 01 - 10 June 2022. The extended range weather forecast (rainfall) provided for the next two weeks (10 - 16 June 2022 and 17 - 23 June 2022) over Jharkhand is below normal for week-1 and above normal for week-2.

- Under assured irrigation facility, farmers are advised for raising of rice seedlings. Recommended long duration varieties Don-1 and medium duration variety Don- 2.

### ***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.*

