



राष्ट्रीय कृषि मौसम परामर्शी सेवाएं बुलेटिन  
**National Agromet Advisory Services Bulletin**

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विस्तारित अवधि मौसम पूर्वानुमान/Extended Range Weather Forecast (ERFS)

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जारीकर्ता/Issued by

अखिल भारतीय समन्वित कृषि-मौसम विज्ञान अनुसंधान परियोजना

**AICRP on Agro-Meteorology (AICRPAM)**

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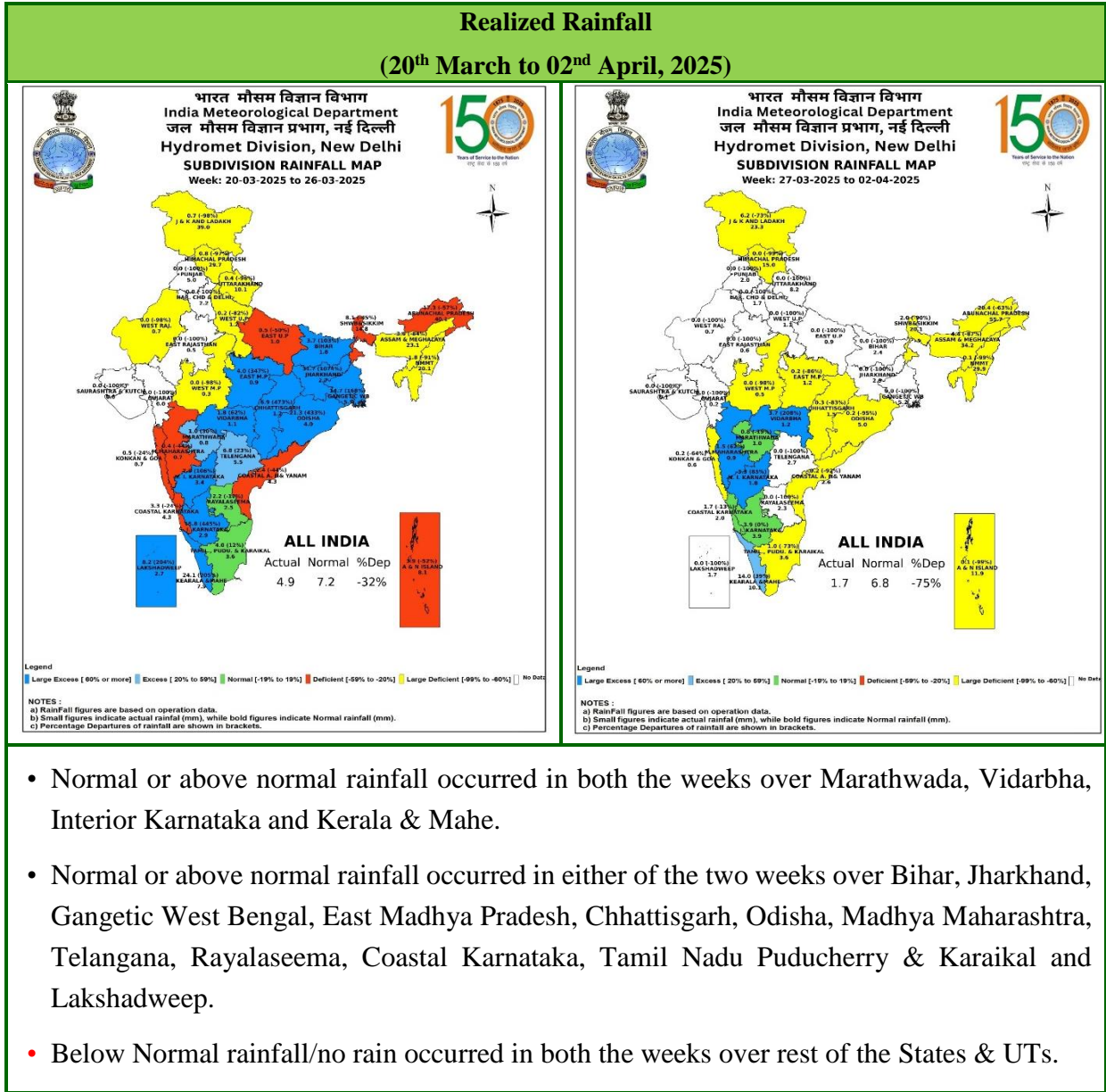
भारतीय मौसम विज्ञान विभाग

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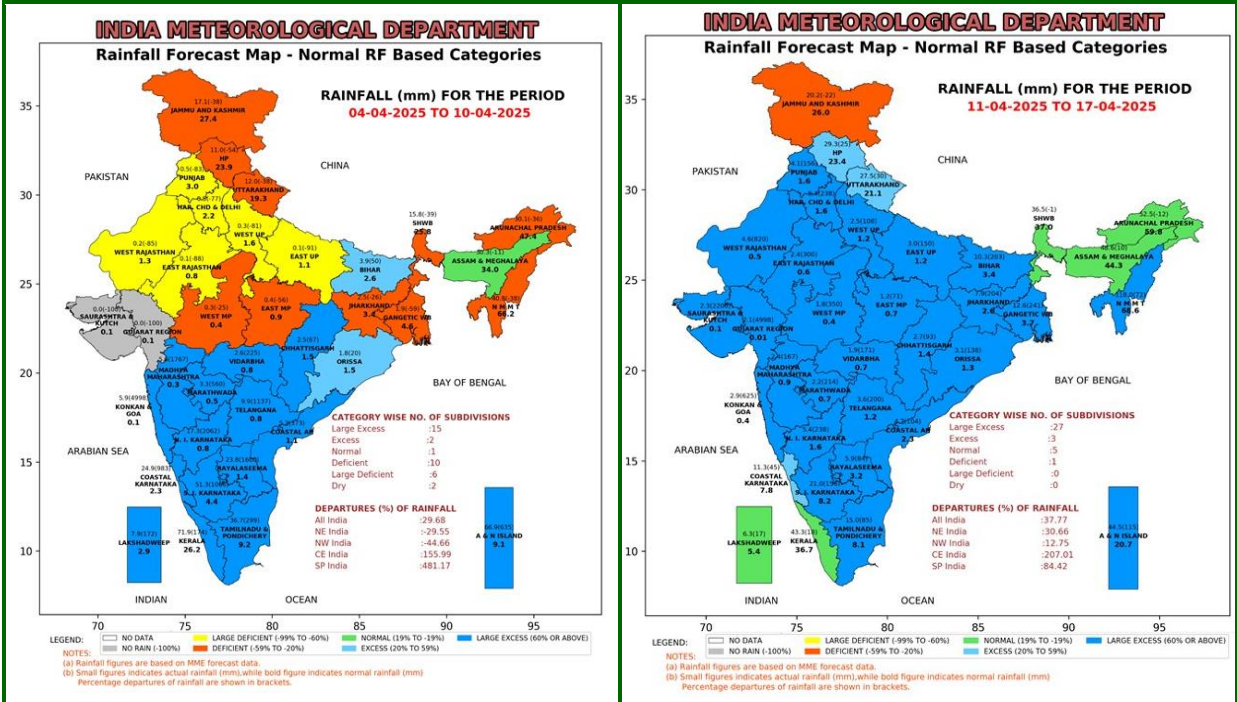
**Earth System Science Organization**

वास्तविक वर्षा तथा विस्तारित अवधि पूर्वानुमान  
**Realized Rainfall and Extended Range Forecast**  
 (वर्षा और तापमान)  
 (Rainfall and Temperature)



## Extended Range Forecast System

### Rainfall forecast maps for the next 2 weeks (IC- 02<sup>nd</sup> April, 2025) (04<sup>th</sup> to 17<sup>th</sup> April, 2025)



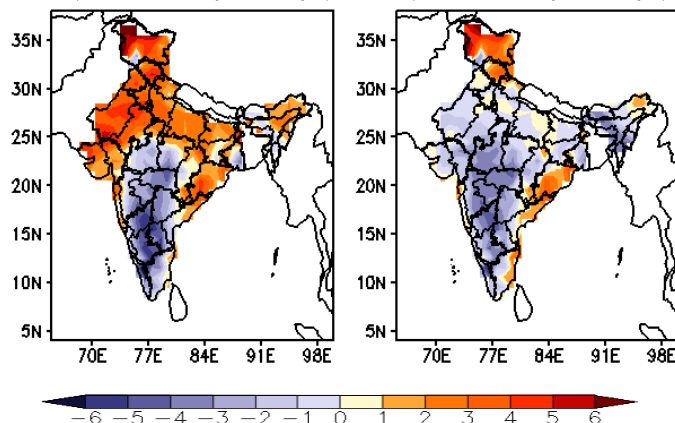
- **Week 1 (04.04.2025 to 10.04.2025):** Rainfall is likely to be above normal over Kerala, Tamil Nadu, Karnataka, Telangana and Rayalaseema. Rainfall activity is also likely over North East India, Jammu & Kashmir, Himachal Pradesh, Uttarakhand and some parts of Maharashtra.
- **Week 2 (11.04.2025 to 17.04.2025):** Rainfall is likely to be above normal over South Karnataka and some parts of North East India, Kerala and Tamil Nadu. Rainfall activity is also likely over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Bihar, Gangetic West Bengal, some parts of Punjab and Jharkhand.

**Maximum and Minimum temperature anomaly (°C) forecast  
for the next 2 weeks (IC- 02<sup>nd</sup> April, 2025)  
(04<sup>th</sup> to 17<sup>th</sup> April, 2025)**

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

(Week1: 04Apr-10Apr)

(Week2: 11Apr-17Apr)



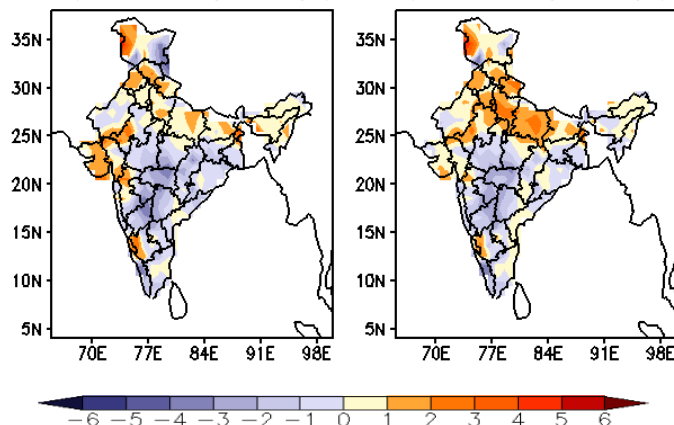
**Maximum Temperature (Tmax)**

- **Week 1 (04.04.2025 to 10.04.2025):** Maximum temperature is likely to be above normal over North West India, East India, many parts of North East India, Gujarat, Konkan-Goa and some parts of Chhattisgarh. However, it is likely to be below normal over South India, many parts of Central and West India.
- **Week 2 (11.04.2025 to 17.04.2025):** Maximum temperature is likely to be below normal over most parts of country except Jammu & Kashmir, Himachal Pradesh, Odisha, Coastal Andhra Pradesh and coastal regions of Tamil Nadu where it is likely to be above normal.

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

(Week1: 04Apr-10Apr)

(Week2: 11Apr-17Apr)



**Minimum Temperature (Tmin)**

- **Week 1 (04.04.2025 to 10.04.2025):** Minimum temperature is likely to be below normal over many parts of Central India, East India and South India. However, it is likely to be above normal over many parts of North West India, North East India, Bihar, Gujarat, Madhya Maharashtra and Karnataka.
- **Week 2 (11.04.2025 to 17.04.2025):** Minimum temperature is likely to be below normal over many parts of Central India, East India and South India. However, it is likely to be above normal over North West India & Bihar and parts of North East India, Gujarat and Karnataka.

## Strategic Agricultural Planning based on Rainfall till 17 April 2025

### Agromet Advisories

#### Kerala

Kerala received a rainfall of 106.6 mm (115% large excess) from 01 March to 06 April 2025. Kerala's extended range weather forecast (rainfall) for the next two weeks (04 April - 10 April and 11 April - 17 April 2025) is large excess rainfall for week 1 and normal rainfall for week 2.

- Ensure water availability in paddy fields. The micronutrient deficiency of paddy can be managed by spraying 10 grams of paddy sampoorana in one litre of water.
- Since dry weather conditions prevail, there is a chance of mites attacking bananas. Apply Wettable sulphur of three grams per one litre of water.
- In coconut, cut two green leaves from the bottom layer, to reduce the water loss from the tree. Apply compost/dried leaves in the basins to increase water holding capacity. Adopt drip irrigation. This will minimize the irrigation water loss. Protect the newly planted young seedlings from direct sunlight falling on them by providing good shade.
- Ideal time for mulching areca nut. Protect the young seedling from scorching sunlight by providing shade. Keep the garden clean and start irrigation.
- There is a possibility of thrips infestation on chilli plants. To control this, spray a mixture of 2% neem oil and garlic extract on the underside of the leaves at intervals of 10 days. If the infestation is severe, mix 3 ml of Imidacloprid in 10 litres of water and spray.
- Leaf-cutting weevil There is a likelihood of leaf-cutting weevils infesting mango trees. To manage this, spray neem oil at 3% or Neem Seed Kernel Extract (NSKE) at 5%. Additionally, apply neem cake at a rate of 5 kg per plant to the soil. In cases of severe infestation, spray quinalphos at 2 ml per litre of water for effective control.
- Tuber crops like Amorphophallus, Colocasia, and Greater Yam etc. can be planted in areas, that receive summer rains.

#### Tamil Nadu

Tamil Nadu received 73.2 mm (188% large excess) of rainfall from 01 March to 06 April 2025. The extended-range weather forecast (rainfall) for the next two weeks (04 April - 10 April and 11 April - 17 April 2025) in Tamil Nadu is large excess rainfall for week 1 and week 2.

- In rainfed cotton, Farmers are advised to spray based on the occurrence (above ETL) and weather prevails.
- There is a chance of rainfall; hence, farmers are advised to irrigate the crop based on soil moisture levels.
- Chance of rainfall. Hence sowing should be done at the earliest in Rice fallow pulse.
- In Chillies (Fruit maturity), Farmers are advised to harvest the matured fruits and store them safely.
- Utilize the shower for summer ploughing to improve the soil's physical condition.
- In Guava, prevailing weather may persist for the incidence of canker disease (bacterial). To control spray copper oxy chloride 0.2% @ 15 days intervals.
- In citrus, Prevailing weather may persist for the incidence of canker disease (bacterial). To control spray copper oxy chloride 0.2% @ 15 days intervals.



## **Karnataka**

Coastal Karnataka received 25.2 mm (97% large excess) rainfall, North Interior Karnataka received rainfall of 21.4 mm (91% large excess) and South Interior Karnataka received rainfall of 47.5 mm (172% large excess); from 01 March to 06 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (04 April - 10 April and 11 April - 17 April 2025) is large excess rainfall over Coastal Karnataka and South Interior Karnataka, normal rainfall over North Interior Karnataka for week 1 and excess over Coastal Karnataka, large excess rainfall over South Interior Karnataka and North Interior Karnataka for week 2.

### *North Interior Karnataka*

- Cut the matured cane. After cutting the matured cane, cut the long stubbles to the ground level using a sharp blade to facilitate uniform germination and deep penetration and spread of roots. This will facilitate the absorption of nutrients and water by the ratoon crop more efficiently. Do not burn the trash. Spread the trash in between the rows and apply 20 Kg Urea and 20 Kg Superphosphate fertilizer per acre on the trash. After this apply 2.5 Kg of trash decomposing bacteria mixed in dung slurry on the trash. This will facilitate the early decomposition of the trash.
- To control citrus canker disease cut the affected parts then spray 3gm copper oxychloride 50 W.P. and 0.5 g streptomycin sulphate or 1% Boardo mixture in one litre of water.
- Deworming should be done in all live stocks regularly once in six months.

### *South Interior Karnataka*

- Right time for summer ploughing.
- Increasing the maximum temperature resulted in flower and fruit drop noticed in horticulture crops and orchards to control spray 20 % Boran micronutrient spray@ 2g/litter of water.
- Harvested Rabi crop cleaning and drying and stored in a gunny bag.
- Apply 4-6-inch-thick thatch as a roofing material. Water can be used for spraying the floor and roof of the shelter. Periodically water spray during peak hot hours lowers the temperature and consequently reduces the heat load on animals

## **Andhra Pradesh**

Coastal Andhra received 10.7 mm (-36% deficit) and 16.0 mm (35% excess) of rainfall in the Rayalaseema region from 01 March to 06 April 2025, the extended-range weather forecast (rainfall) provided for the next two weeks (04 April - 10 April and 11 April - 17 April 2025) shows large excess rainfall over Rayalaseema and Coastal Andhra Pradesh for week 1 and week 2.

- Farmers should regularly walk around the fields, monitor the water, insects, and pest activity, and spray insecticides only as needed. Under the present conditions of increasing temperatures, maintain 5 cm of water in the main field from the flowering stage to grain development stage. Suggested to apply potash and final dose of urea at the panicle initiation stage.
- Maize crop is at grain formation to harvesting stage. Due to the prevailing dry conditions, it is essential to provide need-based irrigation.
- Farmers who planted banana seedlings can protect the plants from heat stress by sowing seeds i.e., sunn hemp, dhaincha, cowpea, field bean and cluster bean around the plant. This helps the plants withstand the heat. Additionally, placing leaves or newspapers around the plant as a shade helps reduce the impact of the heat.
- In the Godavari zone of Andhra Pradesh, the incidence of woolly aphid in sugarcane. Spray monocrotophos @ 1.6 ml/L or chlorpyrifos @ 2.5 ml/L. Present weather conditions may lead to the incidence of scale insects in rainfed sugarcane. Detrash the dry leaves leaving at least 8 leaves followed by spraying with dimethoate @ 1.7 ml/L.

- Present weather conditions are favourable for panicle mites in paddy. Advised to spray propenophos@2.0 ml or propargite @1.0 ml/litre of water.
- Present weather conditions are favourable for Thrips and mites infestation and farmers are advised to control spray fipronil @ 2 ml/L. If there is only mite incidence spray spiromesifen @ 1 ml/L.
- Present weather conditions are favourable for foot and mouth disease in cattle. Advised to vaccinate animals and also advised to go for deworming of animals.

### **Odisha**

Odisha received rainfall of 25.7 mm (-3% normal) from 01 March to 06 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (04 April - 10 April and 11 April - 17 April 2025) over Odisha is an excess rainfall for week 1 and large excess rainfall for week 2.

- As per the district-level weather warning issued by IMD, the districts of Jagatsinghpur, Kendrapara and Khordha may likely receive very light rainfall on Wednesday and dry weather on other days. Whereas in the case of the district of Puri may likely to receive very light rainfall for the next five days except for dry weather on Monday.
- So, keeping in view the weather forecast, farmers are advised to withhold fertilizer and pesticide applications for the time being.
- Farmers are advised to harvest the matured produce and keep the harvested produce in a safer place covered with polythene.
- Pluck the marigold, rose, and chrysanthemum flowers as their quality may deteriorate because of untimely rainfall.
- Continuous cloudy weather can aggravate aphid infestation in rapeseed and mustard, sunflower, groundnut, green gram and black gram. Keeping given the rainfall forecast apply 50ml. Imidacloprid or 50g Acetamiprid in 200 lt of water in case crops are infested.
- Do not stay in open fields, near trees, or water bodies during thunderstorms. If no shelter is available, crouch low with your feet together in an open area.
- In paddy crops, Panicle initiation, Panicle emergence, flowering and milking stages are the critical stages. In these stages, water scarcity or deficit of water causes a comparatively greater reduction in yields. Hence, water deficit during these stages should be avoided.
- Provide sufficient drinking water to dairy animals and Poultry birds.
- During hot summer, spray water over the poultry birds but keep in mind that the litre material should not get wet. The poultry shed remains cool by hanging wet gunny bags over side walls. The litre should be turned from time to time because it holds heat and increases the temperature inside the shed. Plant green plants around the shed.

### **Maharashtra**

Konkan received rainfall of 6.2 mm (158% large excess), 4.4 mm (5% normal) rainfall over Madhya Maharashtra, 6.3 mm (-21% deficit) rainfall over Marathwada, and 15.2 mm (1% normal) rainfall over Vidarbha was recorded from 01 March to 06 April 2025. The extended range weather forecast (rainfall) for the next two weeks (04 April - 10 April and 11 April - 17 April 2025) is large excess rainfall over Konkan, Marathwada, Vidarbha and Madhya Maharashtra for week 1 and week 2.

#### *Konkan*

- In summer rice, maintain an optimum water level of 5-10 cm in a rice field where the crop is in panicle initiation to the flowering stage.
- In groundnut, roll an empty drum over the groundnut crop 45-50 days after sowing to enhance peg penetration and increase yield. Maintain a 10-12-day irrigation gap during flowering to prevent

stress and yield loss due to dry weather and high temperatures. Perform weeding 30-35 days after sowing, followed by earthing up using a Swastik implement.

- Due to the possibility of an increase in temperature, irrigate the vegetable crops as per requirement.
- Mango harvesting should be done using a picking net along with the stem when the fruits have reached 85 to 90% maturity in areas where they are ready for harvest. To avoid the spongy tissue development in ripe mangoes, farmers are advised to carry out harvesting of matured mangoes at 85 to 90% maturity during early morning or evening hours and immediately transfer the harvested fruits to the shade. Mango transportation should not be done on vehicle rooftops in the scorching midday heat.
- In cashew nuts, Considering the possibility of light to moderate rainfall in isolated places, mature cashew nuts and apples should be harvested, separated from the apples, and kept in a safe place for drying.
- Cloudy weather and increased humidity may lead to the outbreak of anthracnose disease on mango fruits. If a fungicide is not sprayed, black spots on the fruits may spread, leading to fruit rot. To prevent anthracnose disease on fruits that are to be harvested after 15 days, spray Carbendazim at a rate of 10 grams per 10 litres of water. The fruits should then be harvested after 15 days.
- As a temperature rise is likely, livestock should be provided with ample fresh, clean, and cool water to maintain their body temperature balance. Additionally, to reduce heat stress, a separate solution of 1% jaggery water and 0.5% salt should be sprinkled on the fodder.

#### *Vidarbha*

- In summer groundnut crops undertake light and frequent irrigation probably in the morning and evening hours. Almost all care should be taken at the critical growth stage of the crop.
- Drip irrigation on Mrig bahar-bearing trees of Nagpur mandarin and sweet orange should be continued. Apply by drip irrigation 41 litres water/day/tree to 6 years tree, 65 litres water/day/tree to 8 years tree and 82 litres water/day/tree to 10 years and above trees.
- Screening of farm livestock, draught / milch animals for diseases be considered and they be vaccinated for foot and mouth disease (FMD). For livestock green feed, with the availability of irrigation water

#### *Madhya Maharashtra*

- In the fields where the rabi crops are harvested, undertake the land levelling and bund repair works immediately to save the soil loss due to rain erosion and moisture conservation and a representative sample may be collected and analysed in the Soil Testing Laboratory of ZARS, Solapur or any other government-recognised laboratory for determination of soil health and planning of the next crop.
- In order to check whether the water from the well or tap water is suitable for agriculture or not, take a sample of the said water in a scientific method i.e. by taking 1 litre of clean water in a bottle (using soap or chemicals to clean the bottle). Generally, within 2 to 3 hours after taking the sample, it should be sent to a government-approved soil-water testing laboratory for testing.
- During April and May in Ber (*Ziziphus mauritiana*), heavy pruning by cutting the main stem at 60 cm height and 4-5 secondary branches is advised for proper bearing and efficient use of available water and for reducing the evapotranspiration losses, cover the orchards with available material and spray 13: 0: 45 @ 1.5 per cent every 15 to 20 days). The remaining dose of nitrogen (125 g per plant) if the bahar is taken in the citrus crop.

#### *Parbhani*

- As per requirement irrigation management should be done in sugarcane crop. Hand weeding should be done for weed management in sugarcane crops. For management of stem borer in Sugarcane crops take a spray of Chlorpyrifos 20% @ 25 ml or chlorantraniliprole 18.5 % @ 4 ml per 10 litre



of water. For management of white fly take a spray of Dimethoate 30% @ 36 ml per 10 litres of water during clear weather conditions.

- Irrigation management should be done in summer sesame crops with an interval of 8 to 10 days in medium soil and with an interval of 12 to 15 days in heavy soil. Irrigation should be done with the help of a sprinkler irrigation system.
- Irrigation management should be done in summer groundnut as per requirement with the help of a sprinkler irrigation system. If infestation of a sucking pest may be observed in summer groundnut, for management take a spray of Imidacloprid 18.8% @ 2 ml or Quinalphos 25% @ 20 ml per 10 litres of water during clear weather conditions.

### **Gujarat**

Rainfall received over Gujarat was 0.0 mm (-100% no rain) from 01 March to 06 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (04 April - 10 April and 11 April - 17 April 2025) over Gujarat is no rainfall for week 1 and large excess rainfall for week 2.

- First irrigation to summer green gram should be given at 20 DAS if the crop is sown under pre-sowing irrigation. Carry out weeding and intercultural operations in a timely sown crop.
- Spray 20 ppm NAA and 2 % urea solution for the control of stopping mango fruit break and increase the fruit size. Apply irrigation to the mango at regular intervals.
- Under present weather conditions, severe attacks of thrips in chilli have been reported. Spray Profenofos 20 ml with 500 ml of 5 % Neem seed extract or Neem seed oil 50 ml in 10 litres of water.
- Due to hot weather keep the animal under tree shade or shed during noon hours. Provide plenty of cool water mixed with minerals for drinking and shower the animals with cold water two to three times in a day. Keep the poultry shed cool by using wet gunny bags around the structure.

### **Chhattisgarh**

Rainfall received over Chhattisgarh was 10.9 mm (1% normal) from 01 March to 06 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (04 April - 10 April and 11 April - 17 April 2025) over Chhattisgarh is large excess rainfall for week 1 and week 2.

- Wheat crops are in the maturity stage. According to weather forecast, there is the possibility of light cloud cover with light rainfall in the upcoming days. Therefore, farmers are advised to avoid harvesting for one to two days & harvested crops should be kept in a safe place.
- Chickpea crop is in the maturity stage, therefore harvesting should be done. According to weather forecast, there is the possibility of light cloud cover with light rainfall in the upcoming days. Therefore, farmers are advised to avoid harvesting for one-two day & harvested crops should be kept in a safe place
- Safflower crop is in the maturity stage. According to weather forecast, there is the possibility of light cloud cover with light rainfall in the upcoming days. Therefore, farmers are advised to avoid harvesting for one to two days & harvested crops should be kept in a safe place.
- Inter-culture, fertilizer application, earthing followed by irrigation is advised in sugarcane crop at knee height stage. According to weather forecast, there is the possibility of light cloud cover with light rainfall in the upcoming days. Therefore, farmers are advised to give irrigation in sugarcane crops as needed.
- To protect milch cows from mastitis, livestock farmers should wash udder of milch animal with potassium permanganate solution before milk extraction.

### **Madhya Pradesh**

Rainfall received over East Madhya Pradesh was 4.5 mm (-61% large deficit), and 1.0 mm (-80% large deficit) over West Madhya Pradesh from 01 March to 06 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (04 April - 10 April and 11 April - 17 April 2025) is deficit rainfall over East Madhya Pradesh and West Madhya Pradesh for week 1 and large excess rainfall over East Madhya Pradesh and West Madhya Pradesh for week 2.

- It is in the harvest stage. Care should be taken to protect the grain produced from fire, and keep it under shaded protected conditions.
- Irrigation applied at weekly intervals. Monitoring of sucking pests in the field.
- For rabi-sown canes, intercultural operations should be practiced. Irrigation applied at weekly intervals. Tie the canes together to prevent lodging.
- Monitoring of crop field for brinjal, tomato and chilli for insect-pest and diseases. Sowing cucurbit vegetables. Seed should be treated with fungicides before sowing.
- Apply fertilizers under the fruit trees as per the recommendations. Flower to fruit set in mango. Protect from insect pests like mango hoppers and mealy bugs for optimum flowering. Avoid irrigation during this stage.

### **Assam**

Rainfall received over Assam was 49.2 mm (-53% deficit) from 01 March to 06 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks for Assam (04 April - 10 April and 11 April - 17 April 2025) is normal rainfall for week 1 and week 2.

- Complete the nursery sowing of recommended semi-dwarf ahu rice varieties like IR-36, Lachit, Chilarai, Dishang etc. Areas having assured irrigation facilities should be selected for the cultivation of transplanted normal ahu rice.
- Go for weeding in green gram and black gram crops 20-25 days after sowing. Before the ensuing rainy season, make provision for small drains at required intervals in crop fields to drain out the excess water.
- Planting of papaya seedlings may be started. Prepare pits of 45×45×45 cm size at a spacing of 1.8×1.8 m and plant 3 seedlings per pit in the case of the dioecious type and 1 seedling per pit in the case of the hermaphrodite type.
- Incidence of rust disease has been observed in peas at flowering stages. It is advised to apply tebuconazole @ 2 ml/lit. Incidence of Wilt disease has been observed in lentils and kemari at vegetative stages. It is advised to drench the soil with Bavistin @ 1g/lit of water to protect the crop from wilt. They are also advised to apply malathion 50 EC @ 2 ml/litre of water.
- Since there is no possibility of getting heavy rainfall in the coming 5 days, spray Imidacloprid 70WG (@ 0.3g per lit of water) to control stem borer infestation in the boro rice crop. Spraying of Fipronil 5SC (1.5-2 ml per litre of water) is advocated against the infestation of ear-cutting caterpillars.

### **West Bengal**

Gangetic West Bengal received rainfall of 20.9 mm (-37% deficit) and Sub Himalayan West Bengal received 30.9 mm (-59% deficit) rainfall from 01 March to 06 April 2025. The extended range weather forecast (rainfall) for the next two weeks (04 April - 10 April and 11 April - 17 April 2025) is deficit rainfall over Gangetic West Bengal and Sub-Himalayan West Bengal during week 1 and large excess rainfall over Gangetic West Bengal and normal rainfall over Sub-Himalayan West Bengal during week 2.

- Extra irrigation may be given wherever needed in the upcoming week. Harvested rainwater should be used for irrigation in boro rice replacing groundwater use.

- Frequent irrigation should be given to summer vegetables otherwise yellowing may occur. Weeding should be done frequently to reduce crop weed competition under stressed conditions. Clearing of drainage channels may be done periodically.
- Green gram varieties like Pusa Baisakhi, Samrat, Meha, Sikha, PM-05 are recommended to the farmers of this region. It is the ideal time for summer moong sowing. Lifesaving irrigation may be given under severe dry conditions.
- Cattle sheds should be cleaned regularly and the roof should be sealed properly to prevent leakage. Cows and buffaloes should be bathed regularly for maintaining lower body temperature.

### **Jharkhand**

Rainfall received over Jharkhand was 32.9 mm (92% large excess) from 01 March to 06 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks for Jharkhand (04 April - 10 April and 11 April - 17 April 2025) is deficit rainfall for week 1 and large excess rainfall for week 2.

- In present weather conditions farmers are advised to procure quality seeds of green gram and black gram from certified sources for sowing in the first week of March. Recommended Varieties: - Green gram – M.M.L. - 6883, U.H.M. - 16, I.P.M. – 2 and Black gram – Birsa urad - 1, W.B.U. - 109, Birsa Urad - 2. Seed treatment with crop-specific Rhizobium culture as well as phosphorus solubilizing bacteria is advised to enhance crop growth and yield.
- Farmers who want to cultivate bitter melon should plough the field as soon as possible and plant the seeds at a distance of 1.25 to 1.5 meters. Take a seed rate of 1.5 to 2.5 kg per acre. The improved varieties for this crop are Pusa Do Masami, Coimbatore Long Green, Ranchi Local, and Arka Green.
- Farmers wishing to cultivate Ridge gourd, may sow the seeds of these vegetables in the pit at a specified spacing of 2.0 to 2.5 meters immediately. Take a seed rate of 1.5 to 2.5 Kg per acre with improved cultivators such as Pusa chikani, long green, long white and Pusa Supiya.
- After harvesting Rabi crops, go to the fields for sowing of summer maize. At the time of field preparation, apply 40 to 60 quintals FYM or compost per acre. Make the fields crumbly. For seed rate, take it at the rate of 8 kg per acre. The improved varieties are – B.A.U.M.H – 05, Yellow Flint, Prakash, and Vivek hybrid maize. At the time of sowing, apply phosphorus at the rate of 24 kg (52 kg DAP), 16 kg potash (27 kg murate of potash) and half dose of nitrogen at the rate of 24 kg (52 kg urea) per acre.
- Sow sorghum in irrigated areas to grow fodder crops for animal feed, which has 40 per cent protein content. Choose cultivars like – Rio 988, Pusachari-615 and Green Sona. Keep the seed rate 6-18 kg per acre for sowing. Before sowing, seeds should be treated with fungicide thiram 75% W.P. @ 1 to 1.5 gm per kg of seed.

### **Bihar**

Rainfall received over Bihar was 3.7 mm (-47% deficit) from 01 March to 06 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks for Bihar (04 April - 10 April and 11 April - 17 April 2025) is excess rainfall for week 1 and large excess rainfall for week 2.

- Complete the sowing of green gram (mung bean) & black gram (urd) up to 10th April. Application of 20 kg nitrogen, 45 kg phosphorus, 20kg potash and 20 kg Sulphur/ha is advised during land preparation. Pusa Vishal, Samrat, SML-668, HUM-16 and Sona varieties for mung bean and Pant Urd-19 and Pant Urd-31, Uttra and Navin varieties of urd are recommended for sowing in North Bihar. Seed rate @20-25 kg/ha for small-sized grain and 30-35 kg/ha for large-sized grain with a spacing of 30x10 cm plant to plant is advised. Before sowing, the seed should be treated with rhizobium culture.
- Sowing of elephant foot yam is advised. Application of 10-15-ton FYM, 40 kg Nitrogen, 60kg Phosphorus and 80 kg Potash per hectare is advised during land preparation. Gajendra variety is

recommended for sowing in North Bihar. Seed should be treated with *Trichoderma viride* before sowing. Seed rate @ 80 quintals/hectare is advised.

- Complete the sowing of summer vegetables. Monitoring of red pumpkin beetle is advised in cucurbitaceous vegetables, which are in the seedling stage. This is a very harmful insect pest. The grubs damage the plants by boring into the roots and underground stems. The adult beetles injure the flower, and foliage by biting holes into them. Severe infestation results in the death of the plant or retardation of growth. Dusting of Chlorpyrifos 2% dust @ 20 kg/hectare near the root of the plant is advised for control of grub's infestation. In severe cases, spraying of Dichlorvos 76EC @ 1 ml/litre of water is advised.

### **Uttar Pradesh**

Eastern Uttar Pradesh received rainfall of 0.9 mm (-89% large deficit) and Western Uttar Pradesh received rainfall of 3.5 mm (-70% large deficit) from 01 March to 08 March 2025. The extended range weather forecast (rainfall) for the next two weeks (07 March - 13 March and 14 March - 20 March 2025) is large deficit rainfall over Eastern Uttar Pradesh and Western Uttar Pradesh during week 1 and large excess rainfall over East Uttar Pradesh and West Uttar Pradesh during week 2.

#### ***Eastern Uttar Pradesh***

- Farmers are advised to harvest mature crops after drying tying bundles and threshing should be done.
- Possibilities of dry weather, farmers are advised to harvest and thresh the mustard crop. During the period possibility of moderate winds, farmers are advised to tie with the rope or available material the harvested mustard crop (securely) to prevent it from spreading across the field and facing difficulty during harvesting or requirement more labor work/ require additional labor.
- As per requirement irrigation management should be done in sugarcane crop. Hand weeding should be done for weed management in sugarcane crops. For management of stem borer in Sugarcane crops take a spray of Chlorpyrifos 20% @ 25 ml or chlorantraniliprole 18.5 % @ 4 ml per 10 litre of water. For management of white fly take a spray of Dimethoate 30% @ 36 ml per 10 litre of water during clear weather conditions.
- Provide fresh drinking water to milch animals 4-5 times in a day.
- Poultry farmers are advised to vaccinate the chicks at the age of 5-7 days against disease.

#### ***Western Uttar Pradesh***

- Farmers are advised to harvest mature crops after drying tying bundles and threshing should be done.
- Farmers are advised to harvest mature crops after drying tying bundles and threshing should be done.
- Farmers are advised light irrigation should be taken up.
- Spray pre-emergence weedicide in green gram crop.

### **Uttarakhand**

Rainfall of 57.8 mm (-5% normal) was received over Uttarakhand from 01 March to 06 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (04 April - 10 April and 11 April - 17 April 2025) over Uttarakhand is deficit rainfall for week 1 and excess rainfall for week 2.

- In barley, Harvesting mature crops in valley regions.
- In mustard, continue harvesting of mature crops.

- Crop stage: Sowing - Continue sowing of rainfed rice (cheti dhan). Apply FYM /fertilizers as per soil testing. Seed treatment should be done before sowing.
- Prepare field and sowing should be done. Before sowing, treatment of the rhizome should be done to control the rhizome rot & wilt disease. After completion of sowing mulching should be done as it conserves moisture.
- If potato seed emerges and attains 10-15cm height then earthing up should be done. Use dry grass as mulch to conserve moisture.
- Give clean water to the animals to drink. Feed dry and green fodder in proper amounts in the diet. Avoid grazing of cattle during noon hours.

### **Haryana**

A rainfall of 8.7 mm (-50% deficit) was received over Haryana from 01 March to 06 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (04 April - 10 April and 11 April - 17 April 2025) over Haryana is large deficit rainfall for week 1 and large excess rainfall for week 2.

- Possibilities of dry and hot weather, farmers are advised to harvest and thresh the matured wheat and barley crops.
- Possibilities of dry weather, farmers are advised to harvest and thresh the mustard crop. During the period possibility of moderate winds, farmers are advised to tie with the rope or available material the harvested mustard crop (securely) to prevent it from spreading across the field and facing difficulty during harvesting or requirement more labor work/ require additional labor.
- Possibility of dry weather in next four three four days, farmers are advised to prepare the field for sowing of American/Narma/Desi cotton crop with certified seeds (HHH223, HHH97, H 1098, H1117, HD 123, HD 324 and HD 432), due to possibility of dry (hot) weather advice the sowing of cotton at morning and evening time.
- Due to possibility of increasing the day temperature in the next three to four days & 3 to 4°C temperature higher the normal), Weather-based Impact advisory to the animal management: Farmers are advised to keep the animals under sheds during day times and night in well ventilated sheds. Farmers are advised to ensure the frequent & adequate availability of clean drinking water to animals to prevent heat stress.

### **Punjab**

Rainfall of 7.6 mm (-68% large deficit) was received over Punjab from 01 March to 06 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (04 April - 10 April and 11 April - 17 April 2025) over Punjab is large deficit rainfall for week 1 and large excess rainfall for week 2.

- Start sowing of recommended varieties/hybrids of cotton including Bt cotton or desi cotton during this month. Sow seeds in polythene bags to fill gaps in cotton. Give deep ploughings in paddy fields, where puddling was done continuously for longer periods as the hard layer developed due to puddling adversely affecting the deep penetration of roots. Apply heavy pre-sowing irrigation with good quality water for better germination and crop stand.
- Apply irrigation at 3-4 days intervals to peach varieties Pratap, Shan-e-Punjab and Florida Prince as the fruits are developing during this period. The fruit trees loaded with fruits such as Shan-e-Punjab and plums like Kala Amritsari and Sutlej Purple normally need fruit thinning in the early days of the month to minimize the danger of limb-breakage and to improve the marketable size and quality of the fruits.



- Fruit borer attack in tomato crops can be checked by spraying 30 ml of Fame 480 SL or 60 ml Coragen 18.5 or 200 ml Indoxacarb 14.5 SC in 100 liters of water per acre. Observe a waiting period of 3 days after the spray of Fame and one day after the spray of Coragen.
- Keep fresh water available all the time. Provide fans to the animals for better air circulation on the farm. As feed intake is reduced due to the effect of high temperature. Hence, the protein level in the concentrate mixture needs to be increased which can be done by increasing oilseed cakes by 5-7 per cent. Watch the animals for heat symptoms and get the animal inseminated between 12 to 18 hours after the onset of heat.

### **Himachal Pradesh**

A rainfall of 75.6 mm (-40% deficit) was received over Himachal Pradesh from 01 March to 06 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (04 April - 10 April and 11 April - 17 April 2025) over Himachal Pradesh is deficit rainfall for week 1 and excess rainfall for week 2.

- Keep crop weed-free advised for harvesting of the matured mustard as soon as possible. 75-80 per cent of the pods (Siliqua) turn parchment brown in colour is the right time for harvest. Farmers are advised not to allow the crop to over-mature, which causes loss of grains due to scattering. Immediate threshing after drying is advised.
- Apply irrigation as it is critical for irrigation and nutrient management, especially potassium and water, to ensure good tuber size and yield. Infection of blight may occur in potatoes and tomatoes. Constant monitoring is advised. If symptoms appear then a spray of Carbendazim @ 1.0 gm/litre of water or Dithane-M-45 @ 2.0 gm/litre of water is recommended. Do weedings in potato
- In lower regions, start sowing of cucurbits crops this week. Seed should be treated with captan or thiram @ 2 grams/kg of seed before sowing. Use well-decomposed FYM 10-12 tons/acre in the field at the time of ploughing. cucurbitaceous crops, if the attack of red pumpkin beetle is found, then spraying of Dichlorvos 76 EC (DDVP) @ 1 gram per litre of water is advised.
- In wheat crops if symptoms of termite appear then application of Chlorpyrifos 20 EC @ 2.0 litre should be done as drenching.
- Tomato vegetative to the flowering stage, Chilli Early vegetative stage capsicum Vegetative to early bud initiation brinjal vegetative.
- Onion crop against attack of thrips. Spraying of Carbaryl @ 2 gram/ litre of water with sticky material (Tipol 1.0 gram /litre) is advised. Onion crop against infection of purple blotch should also be done. Need based spraying of Dithiane M -45 @ 3 grams per litre of water with sticky material (Tipol 1.0 gram /litre) are advised.
- Temperature is rising, so ensure proper ventilation in poultry houses. Replace the poultry houses with fresh litter and keep the houses clean and ensure drinking water to the birds. Normal feeding schedule should be continued.

### **Jammu**

Jammu received rainfall of 87.1 mm (-50% deficit) from 01 March to 06 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (04 April - 10 April and 11 April - 17 April 2025) over Jammu is a deficit rainfall for week 1 and week 2.

- Rogue out loose smut and Karnal bunt affected plants and destroy them by burning or deep burying under soil to avoid further dispersal. Remove off-type plants in early/normal sown crops as it is the right time. Organize a rat control campaign
- Farmers are advised to harvest mature crops (if not harvested yet) as and when 75-80 per cent of the pods (Siliqua) turn brown. Dry the harvested crop well before threshing. The bundles of the harvested plants should be kept in a stack with the head upwards before threshing.

- Farmers may go for sowing of Mash (var.) Pant U-19, Uttara and Moong (var.) PDM-54, ML-131, ML 818, PS-16, PS-7 where rabi crops are harvested.
- Cut worms that cut down the plant from the collar area can be controlled by Profenphos @ 0.5ml/lit of water sprayed 10 cm away from the root zone at 15-day intervals. Spray Dithane-M-45 @2.5g/lit of water to control post-damping off disease which kills the plant from the collar region
- Artificial feeding of the bee colonies with sugar: water solution 1:1 ratio is recommended. Provide ample space for the newly mated queen for egg laying.

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