



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

जारी करने की तिथि/ **Date of issue: 24 March 2025**

आधारित/**based on**

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

वैधता/**Validity: 21 March – 04 April 2025**

जारीकर्ता/**Issued by**

अखिल भारतीय समन्वित कृषि-मौसम विज्ञान अनुसंधान परियोजना

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

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**Central Research Institute for Dryland Agriculture (CRIDA)**

भारतीय कृषि अनुसंधान परिषद

**Indian Council of Agricultural Research (ICAR)**

और

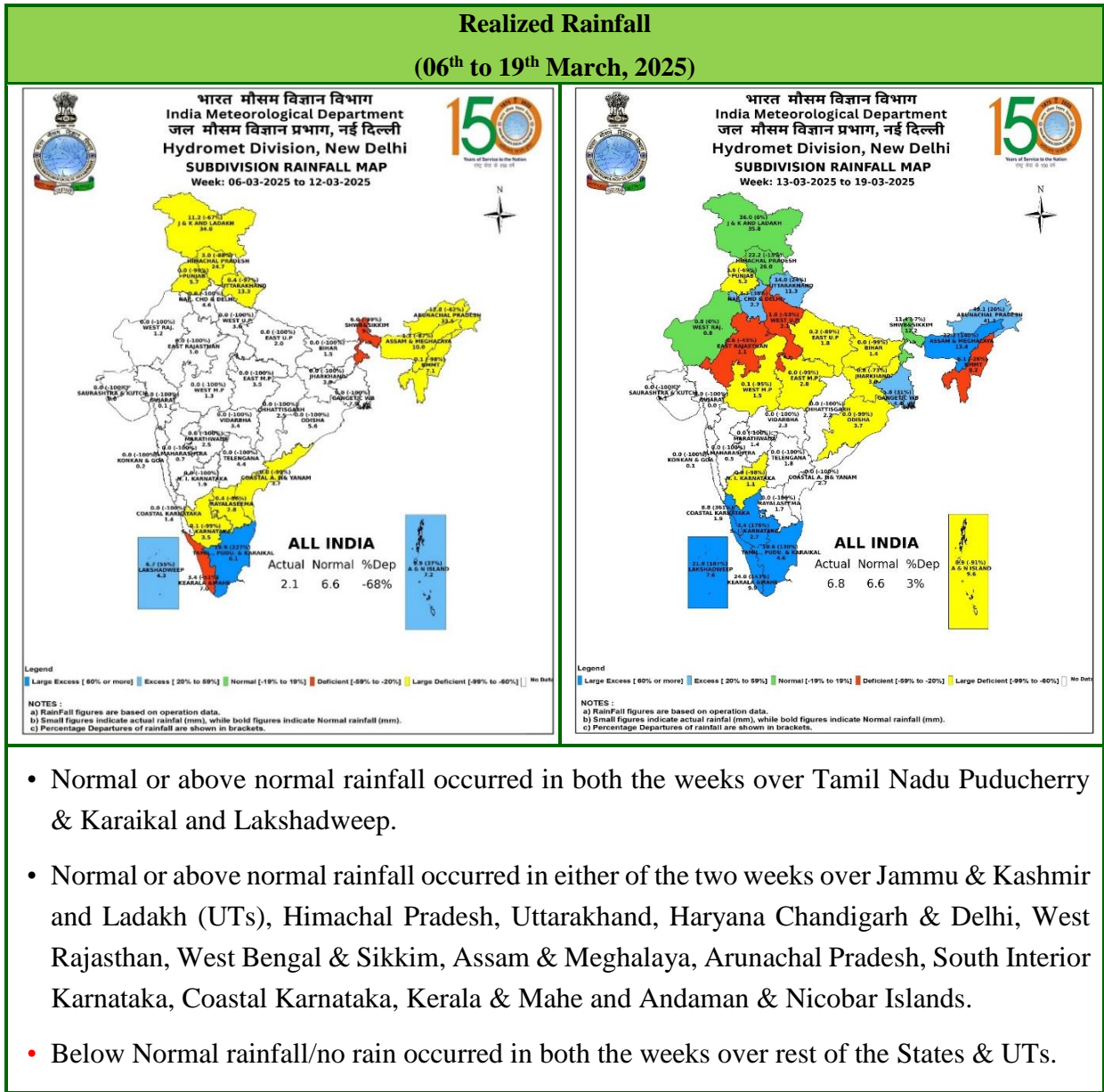
भारतीय मौसम विज्ञान विभाग

**India Meteorological Department (IMD)**

पृथ्वी प्रणाली विज्ञान संगठन

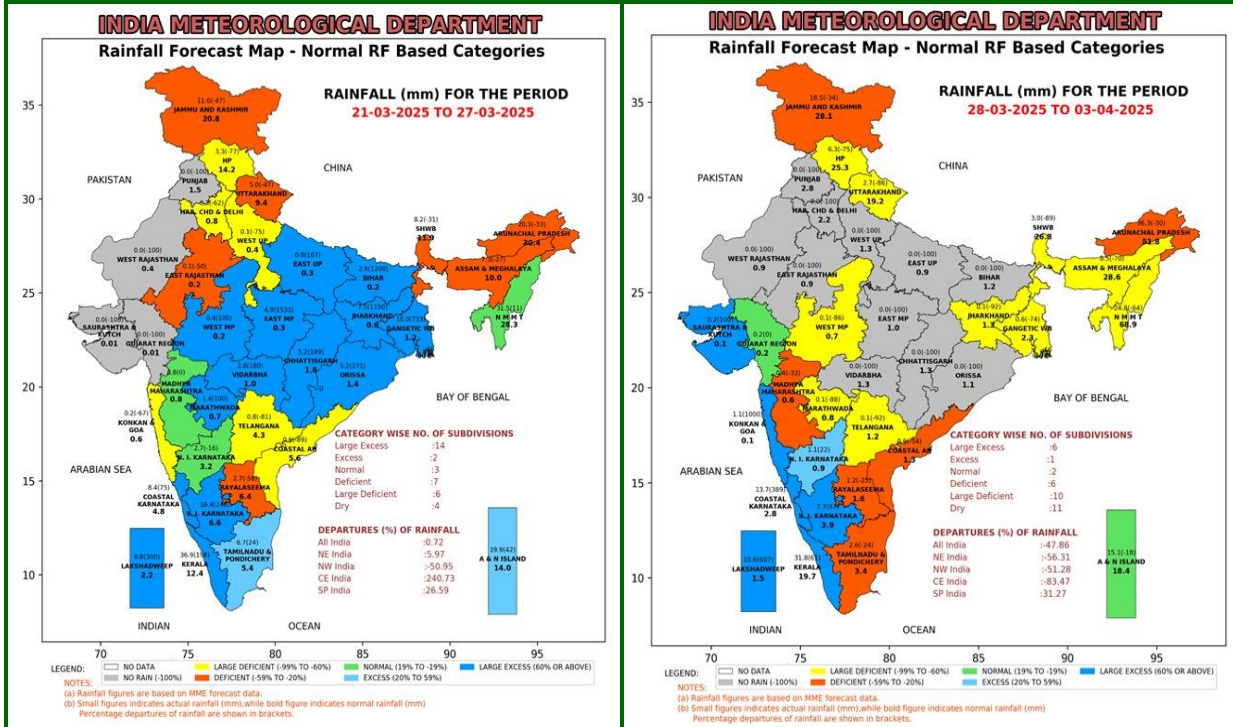
**Earth System Science Organization**

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



## Extended Range Forecast System

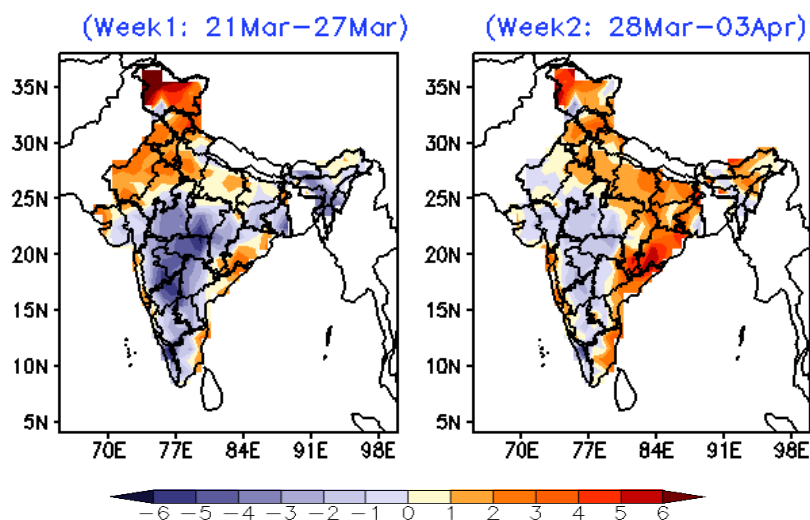
### Rainfall forecast maps for the next 2 weeks (IC- 19<sup>th</sup> March, 2025) (21<sup>st</sup> March to 03<sup>rd</sup> April, 2025)



- **Week 1 (21.03.2025 to 27.03.2025):** Rainfall is likely to be above normal over Kerala, Karnataka, Gangetic West Bengal and Jharkhand. Rainfall activity is also likely over many parts of East and North East India, Jammu & Kashmir, Himachal Pradesh, some parts of Tamil Nadu, and Chhattisgarh.
- **Week 2 (28.03.2025 to 03.04.2025):** Rainfall is likely to be above normal over Kerala and Karnataka. Rainfall activity is also likely over North East India, Jammu & Kashmir and Himachal Pradesh.

**Maximum and Minimum temperature anomaly ( $^{\circ}$ C) forecast  
for the next 2 weeks (IC- 19<sup>th</sup> March, 2025)  
(21<sup>st</sup> March to 03<sup>rd</sup> April, 2025)**

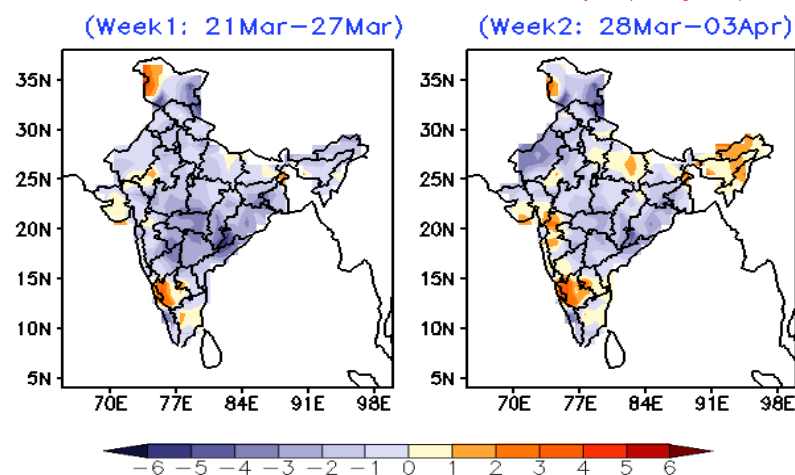
**MME forecast Tmax anomaly (Deg C)**



**Maximum Temperature (Tmax)**

- **Week 1 (21.03.2025 to 27.03.2025):** The maximum temperature is likely to be above normal over North West India, Konkan-Goa, Odisha, coastal regions of Coastal Andhra Pradesh, and Tamil Nadu. However, it is likely to be below normal over Central India, many parts of West India, and South India.
- **Week 2 (28.03.2025 to 03.04.2025):** Maximum temperature is likely to be above normal over North West India, East India, North East India, Konkan-Goa, Chhattisgarh, Coastal Andhra Pradesh and Tamil Nadu. However, it will likely be below normal over many parts of Central India and South India.

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



**Minimum Temperature (Tmin)**

- **Week 1 (21.03.2025 to 27.03.2025):** Minimum temperature is likely to be below normal over most parts of the country and below normal over parts of Karnataka.
- **Week 2 (28.03.2025 to 03.04.2025):** Minimum temperature is likely to be below normal over many parts of the country. However, it is likely to be above normal over North East India and parts of East Uttar Pradesh, Madhya Maharashtra, Karnataka and Gujarat.

## Strategic Agricultural Planning based on Rainfall till 03 April 2025

### Agromet Advisories

#### Kerala

Kerala received a rainfall of 49.8 mm (98% large excess) from 01 March to 23 April 2025. Kerala's extended range weather forecast (rainfall) for the next two weeks (21 March - 27 March and 28 March - 03 April 2025) is large excess rainfall for week 1 and week 2.

- During high temperatures, there is a chance of brown plant hopper infestation in rice. Spray Carbosulfan 25% EC@1ml/L water or Dinotefuran 20 % SG@3g/L water.
- Since dry and hot weather conditions prevail, provide irrigation to banana plants as per requirement. Mulching can be practiced to conserve soil moisture.
- Leaf-eating caterpillars may infest banana plants. To control them, destroy the affected leaves along with the eggs, larvae, and pupae. Additionally, spray 5% neem seed extract.
- In coconut, cut two green leaves from the bottom layer to reduce the water loss. 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.
- In rubber, adopt summer protection measures such as mulching, shading, and whitewashing using lime or china clay as fire belts.
- Due to the continued hot weather, chilli plants are at risk of mite infestation. For severe infestation, Spray Chlorfenapyr 10 % SC @2ml/litre water or Diafenthiuron 50 % WP@1g/L or Spiromesifen 22.90 % SC@1.m/L of water and spray.
- Clear the field during February-March and burn the weeds, stubbles, roots, etc. *in situ*. Prepare the land by ploughing or digging and apply lime. Prepare beds of convenient length 1 m width, 25 cm height with 40 cm spacing between the beds. Provide drainage channels. For irrigated ginger, the best-suited time for planting is the middle of February. Otherwise, the best time for planting ginger is during the first fortnight of April.

#### Tamil Nadu

Tamil Nadu received 45.5 mm (172% large excess) of rainfall from 01 March to 23 April 2025. The extended-range weather forecast (rainfall) for the next two weeks (21 March - 27 March and 28 March - 03 April 2025) in Tamil Nadu is excess rainfall for week 1 and deficit rainfall for week 2.

- In rainfed crops (Boll maturity to harvesting), Farmers are advised to avoid the spray. Harvest crops.
- Farmers are advised to irrigation.
- In rice (Panicle Initiation), Farmers are advised to monitor the water level in the field to prevent crop damage and ensure proper drainage channels to remove excess rainwater. Matured bolls should be harvested immediately and stored safely to prevent moisture build-up in the lint.
- Since rainfall is expected, farmers are advised to harvest the matured fruits and store them safely in chilli.
- Harvest the fruits and store them safely. Mulching may be practised to improve the soil moisture in citrus.
- Prevailing weather conditions is conducive for Fruit flies. To control spray malathion 50 EC @2ml/litre or Dimethoate 30 EC @ 1ml/litre.

- Warm temperatures (25-35°C) with humidity of more than 70 % favours for fruit rot disease. To control, spraying of chemicals like wettable sulphur 0.2%, copper oxychloride 0.25 % and Zineb 0.15 % not only reduced the disease incidence but also increased the yield of fruits.
- Due to prevailing weather, Ranikhet disease in poultry especially backyard poultry may be expected. Hence, suitable vaccination is advised from the nearby veterinary hospital.

### **Karnataka**

Coastal Karnataka received 8.8 mm (35% excess) rainfall, North Interior Karnataka received rainfall of 1.6 mm (-71% large deficit) and South Interior Karnataka received rainfall of 11.0 mm (-20% deficit); from 01 March to 23 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (21 March - 27 March and 28 March - 03 April 2025) is large excess rainfall over Coastal Karnataka and South Interior Karnataka, normal rainfall over North Interior Karnataka for week 1 and large excess over Coastal Karnataka and South Interior Karnataka, excess rainfall over North Interior Karnataka for week 2.

#### *South Interior Karnataka*

- Increasing the maximum temperature resulted in flower and fruit drop noticed in horticulture crops and orchards to control spray 20 % Boron micronutrient spray @ 2g/litter of water.
- Harvested Rabi crop cleaning and drying and stored in a gunny bag
- Due to continuous dry spells since December month, termite infestation is common in horticulture and Forestry trees and shrubs hence control to apply Aldrin termiticides for control of termites
- Provide adequate irrigation to standing crops to overcome water stress.
- Animal Husbandry: Theileria vaccine: Vaccinate the cow against protects cattle from Theileriosis, a tick-borne disease

### **Andhra Pradesh**

Coastal Andhra received 0.0 mm (-99% large deficit) and 2.4 mm (-64% large deficit) of rainfall in the Rayalaseema region from 01 March to 23 April 2025, the extended-range weather forecast (rainfall) provided for the next two weeks (21 March - 27 March and 28 March - 03 April 2025) shows deficit rainfall over Rayalaseema and large deficit over Coastal Andhra Pradesh for week 1 and deficit rainfall over Rayalaseema and Coastal Andhra Pradesh for 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 the 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 planning to plant bananas in February and March are advised to select suitable varieties and apply the recommended dose of fertilizers. Initially, incorporate 300 g of single super phosphate and 5 kg of farmyard manure per pit. How are already planted, advised to sow dhaincha or sun hemp around the banana plants to reduce the impact of high temperatures.
- In the Godavari zone of Andhra Pradesh, the incidence of woolly aphids 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.
- In the North Coastal of Andhra Pradesh, the Current weather situation may lead to the incidence of Fall armyworms in Maize. Spraying with neem oil of 1500 ppm @ 5 ml/L or Chlorpyrifos @ 2.5 ml/l or Chlorantraniliprole @ 0.3 ml/L.

- Present weather conditions may lead to an outbreak of bird flu (avian influenza) a serious threat to poultry farms. Farmers must stay vigilant and monitor birds for symptoms such as sudden death, respiratory distress, swelling, and reduced egg production. Any unusual mortality should be reported immediately to veterinary authorities., Regularly disinfect equipment, and prevent contact with wild birds. Providing clean water, nutritious feed, and a stress-free environment will help boost bird immunity. Avoid feeding raw kitchen waste, wear protective gear when handling birds, and maintain strict hygiene.

### **Odisha**

Odisha received rainfall of 17.4 mm (-19% normal) from 01 March to 23 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (21 March - 27 March and 28 March - 03 April 2025) over Odisha is a large excess rainfall for week 1 and no rainfall for week 2.

- Given the light rainfall forecast, farmers are advised to withhold irrigation in their crop fields.
- Complete the sowing of summer vegetables like cucurbits after the subsequent week to utilize the soil moisture effectively.
- Regular monitoring of crop fields is advisable for the incidence of insects and diseases.
- Provide sufficient drinking water to dairy animals and Poultry birds.
- At the PI stage of the paddy crop, apply 20 kg of Urea per acre. For Light sandy soil apply 20 kg Urea and 15 Kg of Muriate of Potash per acre.
- Given forecasted gusty winds, provide mechanical support to cucurbits and staking to Tomato, Banana and Papaya plants.
- As there is a chance of thunderstorms and lightning activity, Keep the animals away from water bodies and other metal farm equipment. Don't allow your animals to congregate under trees.
- Pluck the marigold, rose, and chrysanthemum flowers as their quality may deteriorate because of untimely rainfall.
- Harvest the potato crop which is at 75-85 days after planting and when the majority of the leaves turn yellowish brown. For harvesting stop the irrigation 15 days before. All the harvested tubers should be kept in the shed for 24 hours. Remove all the damaged and rotten tubers.
- Keep the rainwater in the field by making proper bonds in paddy.
- The pointed gourd is at the flowering and fruiting stage. Don't go for what you need. Grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

### **Maharashtra**

Konkan received rainfall of 0.0 mm (-100% no rain), 0.0 mm (-100% no rain) rainfall over Madhya Maharashtra, 1.0 mm (-81% large deficit) rainfall over Marathwada, and 0.0 mm (-100% no rain) rainfall over Vidarbha was recorded from 01 March to 23 April 2025. The extended range weather forecast (rainfall) for the next two weeks (21 March - 27 March and 28 March - 03 April 2025) is large deficit rainfall over Konkan, large excess rainfall over Marathwada and Vidarbha and normal rainfall over Madhya Maharashtra for week 1 and large excess rainfall over Konkan, deficit rainfall over Madhya Maharashtra, large deficit over Marathwada and no rain over Vidarbha during week 2.

#### *Konkan*

- As an increase in temperature and evaporation is likely, the water level in paddy fields should be maintained up to 5 cm. Apply a second split dose of nitrogenous fertilizers @ 875 gm urea per guntha to the rice crop at the tillering stage.

- 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.
- To reduce the damage caused by the splitting of matured pods of crops like Lablab (Wal), Cowpea (Chawli), Green gram (Moong), and Horse gram (Kulith) due to sunlight, harvest the pods in the morning as they dry. Dry the pods in sunlight for 4 to 5 days, thresh them, and store them in a dry and safe place.
- There is a possibility of fruit fly infestation on mango fruits. In such cases, fallen fruits in the orchard should be collected and destroyed. To protect mango fruits from fruit flies, university-recommended fruit fly traps should be installed at the rate of 2 per acre on the lower branches of the trees in the orchard.
- 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*

- For higher productivity protective irrigation is advisable. Undertake needs-based intercultural operation.
- 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*

- Harvesting must be done by uprooting if fodder is to be preserved for cattle. Threshing at low speed to reduce the losses due to breaking is advised.
- Harvesting by mechanical harvester on low rotor speed is advised. It is also advised to ensure the combine harvester is free from weed seeds and leftovers of previous crops.
- Deep ploughing once in three years across the slope is recommended. It was also advised to collect the random soil sample for determination of soil health.

#### **Gujarat**

Rainfall received over Gujarat was 0.0 mm (-100% no rain) from 01 March to 23 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (21 March - 27 March and 28 March - 03 April 2025) over Gujarat is no rainfall for week 1 and normal rainfall for week 2.

- Keep 2-3 cm standing water in a transplanted summer paddy field. Apply recommended 1st split dose of Nitrogen (40 kg/ha) at 20-25 days after transplanting and 2nd split dose of Nitrogen (20 kg/ha.) at 40-45 (DATP). Before application of fertilizer, drain water from the field and apply 1 day after. Keep the field weed-free by hand weeding and inter-culturing with a paddy weeder.
- Carry out inter-culturing and weeding operations in sown summer pearl millet crop. Irrigation should be given at an interval of 10 to 15 days as per soil and weather conditions or at critical growth stages of the crop.
- Find grubs of stem borer from the gallery and holes on the stem and kill them. Pour Chlorpyrifos 20 EC @ 25 ml/ 10 litre in a hole and plug it with mud. Climbing a mango tree with the help of a red ant and after that sucking from leaves, stem and fruits. To control mango mealy bug banding mango tree with a polythene sheet (30-30 cm width).
- The height of the animal shed should be a minimum of 10 feet for aeration to keep the floor dry and to control humidity. Keep drinking water facility for 24 hrs. Keep animals under a shed/covered area during day hours due to sudden increase in maximum temperature.



## **Chhattisgarh**

Rainfall received over Chhattisgarh was 6.1 mm (-19% normal) from 01 March to 23 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (21 March - 27 March and 28 March - 03 April 2025) over Chhattisgarh is large excess rainfall for week 1 and no rain rainfall for week 2.

- Wheat crops are in the maturity stage. According to the weather forecast, rainfall activity is likely in some parts of CG from 21.03.25 to 27.03.25. There is possibility of light cloud cover with light rainfall in the upcoming days. Therefore, farmers are advised to avoid harvesting for a few days & harvested crops should be kept in a safe place.
- The chickpea crop is in the maturity stage therefore harvesting should be done. According to the 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 a few days & harvested crops should be kept in a safe place.
- If the crop of rapeseed and mustard is ripe, then harvest and thresh it.
- Safflower crop is in the maturity stage. According to the weather forecast, there is possibility of light cloud cover with light rainfall in the upcoming days. Therefore, farmers are advised to avoid harvesting in a few days & harvested crops should be kept in a safe place.
- Maize crop intercultural operation and earthing up should be done and apply second dose of nitrogen fertilizers. According to the weather forecast, there is the possibility of light cloud cover with light rainfall in the upcoming days. Therefore, farmers are advised to avoid the intercultural operation and earthing up for a few days.

## **Madhya Pradesh**

Rainfall received over East Madhya Pradesh was 4.0 mm (-57% deficit), and 0.1 mm (-98% large deficit) over West Madhya Pradesh from 01 March to 23 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (21 March - 27 March and 28 March - 03 April 2025) is large excess rainfall over East Madhya Pradesh and West Madhya Pradesh for week 1 and no rainfall over East Madhya Pradesh and large deficit over West Madhya Pradesh for week 2.

- It is in the harvesting stage. Make sure to harvest and keep the produce under protected conditions
- As the crop is 20 days old, it is advisable to go for weed control in Mung/urd/Summer soybean.
- In cucurbit vegetables, leaves show powdery mildew symptoms as the day temperature rises. Two sprays of Dinocap 48 EC at 0.1 % at 15-day intervals.
- Vaccinate poultry against summer season disease.

## **Assam**

Rainfall received over Assam was 40.9 mm (-2% deficit) from 01 March to 23 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks for Assam (21 March - 27 March and 28 March - 03 April 2025) is deficit rainfall for week 1 and large deficit rainfall for week 2.

- Sowing should be completed within March as the optimum time for sowing summer green gram & black gram is from mid-February to March. Land preparation should be continued and select a wide range of soils, but sandy loam soil is preferable. Collect seeds of recommended varieties of green gram (Pratap, SGC 16, SGC 20, IPM-02-3) and black gram (PU-31, KU 301, SBC 40, and SBC 47). Lime application: CaCO<sub>3</sub> in the form of dolomitic lime @ 65.5 kg/bigha should be applied 15 days before seeding and incorporated in the soil in areas where multiple cropping is practised.
- Continue land preparation for Okra cultivation. Select well-drained sandy loam to clay loam soil rich in organic matter and apply 7.5 kg Urea, 42 kg SSP and 11.3 kg MOP along with 1.3 tonnes of

FYM per bigha of land. To obtain higher yield farmers can select seeds of recommended varieties like Pusa Sawani, Arka Anamika, Parbhani Kranti etc., or any high-yielding local variety.

- 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 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/lit of water.
- During February -March white fly infests castor plants. Crop gives a weak appearance and sooty mold is developed at severe infestation. In the case of severe infestation spraying of 0.05% Monocrotophos or 0.05% Dimethoate controls the white fly attack.

### **Jharkhand**

Rainfall received over Jharkhand was 31.8 mm (187% large excess) from 01 March to 23 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks for Jharkhand (21 March - 27 March and 28 March - 03 April 2025) is large excess rainfall for week 1 and large deficit 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,
- Farmers wishing to cultivate Ridge melon 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.
- Maintain water stagnation in the rice field. Apply a second dose of urea in 6 to 7 weeks of transplanted rice @ 25 to 28 kg per acre. Weeding is a must before urea application. In some pockets crop is attacked by blast disease in which boat shaped spot with having ash color in the centre and a dark brown color on the margin appears on leaves
- In the current weather conditions, the pests and diseases of mangoes have been washed away with the rains. Therefore, before spraying any kind, keep a constant watch on the mango fruits. If the incidence of Mango hoppers is observed, go for spraying of phosphamidon 40 % SL @ 0.5ml/l (or) dimethoate 30% EC @ 2ml/l during the initial stages of flowering.
- The temperature is gradually increasing, which is going to be favourable for the growth of fish. Therefore, to provide proper natural food for the fish in the pond, use cattle dung and lime. Add cow dung manure to one side of the pond only. Start giving feed to the fish also. For this, use a mixture of rice cake and mustard cake (both at the rate of 5-5 kg per day per acre).

### **Bihar**

Rainfall received over Bihar was 3.5 mm (-30% deficit) from 01 March to 23 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks for Bihar (21 March - 27 March and 28 March - 03 April 2025) is large excess rainfall for week 1 and no rainfall for week 2.

- Given the rainfall forecast, farmers are advised to take precautions in the harvesting and threshing of the mustard crops. Precaution should also be taken for other day-to-day agricultural activities given thunderstorms at some places in north Bihar.
- Sowing of elephant foot yam is advised. Gajendra variety is recommended for North Bihar. Seed should be treated with Trichoderma viride before sowing. Keep seed rate 80 quintals/hectare.

- Sowing of green gram and black gram. Hence, sowing of green gram (mung bean) & black gram (urd) is advised. Application of 20 kg Nitrogen, 40 kg Phosphorus, 20kg Potash and 20 kg Sulphur/ha is advised before sowing. Pusa Vishal, Samrat, SML-668, HUM-16, Sona varieties for green gram and Type-6, Pant Urd-19 and Pant Urd-31, Uttra and Navin varieties for urd are recommended. Seed should be treated with Rhizobium culture. Ensure proper soil moisture at the time of sowing for optimum germination.
- Sowing of summer vegetable crops such as lady finger, pumpkin, cucumber, sponge gourd etc. is advised. Weeding is also advised in 30-35 days old vegetable crops.

### **Uttar Pradesh**

Eastern Uttar Pradesh received rainfall of 0.9 mm (-85% large deficit) and Western Uttar Pradesh received rainfall of 3.5 mm (-60% 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 excess rainfall over Eastern Uttar Pradesh and large deficit rainfall over Western Uttar Pradesh during week 1 and no rainfall over East Uttar Pradesh and West Uttar Pradesh during week 2.

### **Western Uttar Pradesh**

- Farmers are advised that light irrigation should be done at the milking stages of late sown wheat crop.
- Farmers are advised to harvest mature barley crops.
- Farmers are advised that light irrigation should be done at the milking stage of the crop and crop protection from birds.
- Farmers are advised to sow Zaid maize crops in vacant fields as early as possible. Seed should be treated with 2.5 g Thiram or 2.0 g Argo-san G.N @ 3.0 g /kg of seed composite varieties i.e.; Novjoti, Pusa-2, Sweta and Azad Uttam and hybrid varieties i.e.; Hybrid Dakan-107, Malviya hybrid-2, JH-3459, Prakash, PSM-5, Pro-303, KH-510, MMH-113, Malika, VNR-4226, DKC-9108, DKC-7074 should be sown with 18-20 kg/ha treated seed.
- Watchful insects and pests. If seen pod borer spray Fenvalerate 20% EC @2.0 lt. or Novaluron 10% EC @ 750 ml/ha with 500 to 600 lt. water solution in clear sky weather.

### **Uttarakhand**

Rainfall of 57.8 mm (33% excess) was received over Uttarakhand from 01 March to 23 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (21 March - 27 March and 28 March - 03 April 2025) over Uttarakhand is deficit rainfall for week 1 and a large deficit for week 2.

- Remove weeds; it is competitive with main the crops. Disease/pests should be controlled.
- The mature crop should be harvested and dried well before threshing.
- Irrigation should be applied as needed at the pod formation stage and recommended insecticide or disease control measures should be followed against pod borer, leaf miner or aphid attack.
- Do planting work. The row-to-row distance can be kept at 60 cm and the plant-to-plant distance at 45 cm.
- Flowers are blooming in temperate fruit orchards; hence keep honey bee boxes in the gardens, for proper pollination; so, to increase production.
- For wool production, clean the sheep/goats properly before shaving the wool.

### **Punjab**

Rainfall of 7.6 mm (-60% large deficit) was received over Punjab from 01 March to 23 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (21 March - 27 March and 28 March - 03 April 2025) over Punjab is no rainfall for week 1 and week 2.

- Apply the last irrigation to the timely sown wheat around the end of March. However, late-sown wheat may be irrigated up to April 10.
- Mid-February to the end of March is the optimum time for planting sugarcane in the Punjab. Do not plant early maturing varieties after March. Avoid late planting. If late planting has to be done, adopt the following practices:
- Sowing of summer moong (SML 1827, SML-668, SML 832) and summer mash (Mash -1137 and Mash -1008) may be started from mid-March onwards. Use 15 kg seed rate per acre for summer moong SML-668 and 12 kg for SML -1827, SML-832 and 20 kg for summer mash.
- The young as well as the old trees should be irrigated regularly and more frequently as they put forth new growth/ flushes. The young plants should be provided with stakes for upright and straight growth. In Peach and plum, apply irrigations at weekly intervals from the end of this month till fruit maturity. Interval can further be decreased after mid-April.
- The plants affected with flag smut should be rogued off and destroyed to reduce the inoculum in the field. Remove loose smut-infected ears from the field kept for seed production.

### **Jammu**

Jammu received rainfall of 80.6 mm (-32% deficit) from 01 March to 23 April 2025. The extended range weather forecast (rainfall) provided for the next two weeks (21 March - 27 March and 28 March - 03 April 2025) over Jammu is a deficit rainfall for week 1 and week 2.

- Monitor crop for Brown rust, if observed apply propiconazole (Tilt) @ 0.1%. 2-3 sprays at 15-day intervals are recommended. Rogue out affected plants at yellowing of flag leaf for control of loose smut and destroy by burning or deep burying under soil to avoid further dispersal
- Install pheromone trap to manage fruit borer in Tomato & Brinjal. To control red pumpkin beetle in cucurbits, especially cucumber and bottle gourd, ash dusting on the leaves can be done early in the morning @ 5ml kerosene/kg of ash. Give prophylactic (before the occurrence of any disease) a spray of Dithane M-45 @ 2.5gm/litre to check blight and blotch in onion/garlic.
- To control white rust, apply Ridomil-MZ @ 2.0 gm/lit of water or remove the affected branch/part of the plant, cover it properly and bury it in the earth to prevent the further spread of infection.
- Need-based sugar feeding is recommended. Keep colonies near the floral crops.

### **Rajasthan**

East Rajasthan received rainfall of 1.3 mm (-63% large deficit) and 2.3 mm (36% deficit) rainfall was received over West Rajasthan from 01 March to 23 April 2025. The extended-range weather forecast (rainfall) provided for the next two weeks (21 March - 27 March and 28 March - 03 April 2025) has deficit rainfall over East Rajasthan and no rainfall over West Rajasthan for week 1 and no rainfall over East Rajasthan and West Rajasthan for week 2

- In present weather conditions, transplanting of young seedlings of tomato, chilli and cole crops may be done this week. Keeping increasing temperature in view, farmers are advised for light irrigation in standing crops and vegetables as per requirement.
- Harvest the wheat crop where the crop is at the maturity stage.
- For the control of termites in barley. Apply chlorpyrifos 20 EC @ 4 litre/ha with irrigation water.
- At present timely sown gram crop is at maturity stage. So, farmers are advised to start the harvesting of gram.

- After harvesting mustard, keep the crop for sun drying in the field and then after threshing should be done.
- Complete the sowing of black gram till 15th March. Improved varieties are T-9, P.U.-19, Narendra urd-1 and Narendra urd-2. Seed rate- 30-35 kg/ha.
- Present weather is suitable for the sowing of cucurbitaceous crops. So, farmers are starting sowing cucumber, bitter guard, bottle guard, etc.
- Farmers are advised to procure quality seeds for green gram from certified sources and start sowing during this week. Variety: - Green gram – Pusa Visal, Pusa 9531, PDM-11, SML-668 Seed treatment with crop-specific Rhizobium culture as well as phosphorus solubilizing bacteria (PSB) is also advised.
- Start making an incision in Opium Poppy. Use a three-tip mortar to make an incision.

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