



राष्ट्रीय कृषि मौसम परामर्शी सेवाएं बुलेटिन National Agromet Advisory Services Bulletin

जारी करने की तिथि/ Date of issue: 29 October 2024

आधारित/based on

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

वैधता/Validity: 25 October – 07 November 2024

जारीकर्ता/Issued by

अखिल भारतीय समन्वित कृषि-मौसम विज्ञान अनुसंधान परियोजना

AICRP on Agro-Meteorology (AICRPAM)

केंद्रीय बारानी कृषि अनुसंधान संस्थान

Central Research Institute for Dryland Agriculture (CRIDA)

भारतीय कृषि अनुसंधान परिषद

Indian Council of Agricultural Research (ICAR)

और

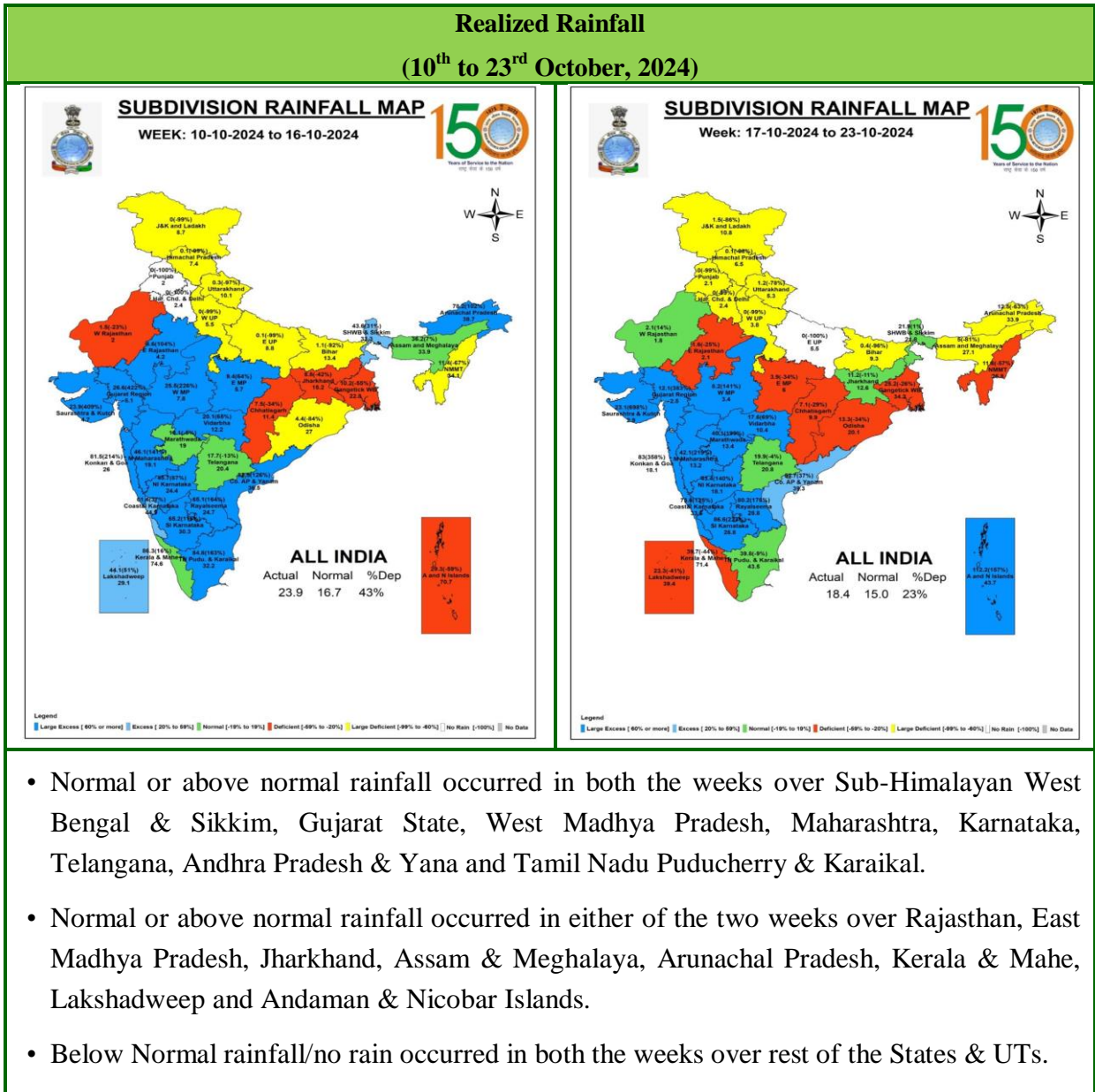
भारतीय मौसम विज्ञान विभाग

India Meteorological Department (IMD)

पृथ्वी प्रणाली विज्ञान संगठन

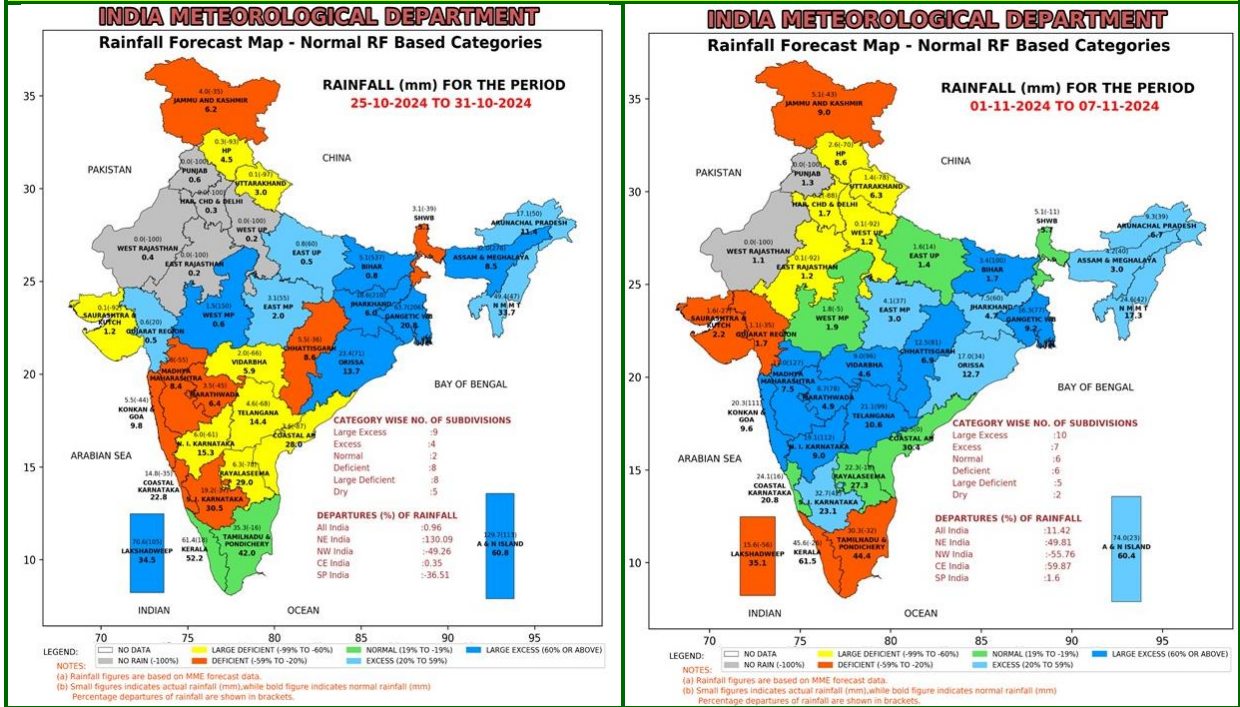
Earth System Science Organization

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- 23rd October, 2024) (25th October to 07th November, 2024)



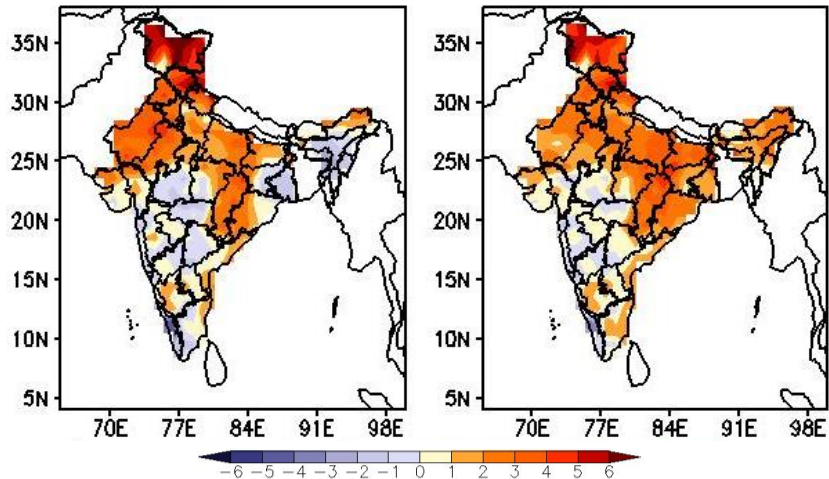
- **Week 1 (25.10.2024 to 31.10.2024):** Rainfall is likely to be above normal over Gangetic West Bengal, some parts of Northeast India and Kerala. It is likely to be below normal over Karnataka, Telangana, Rayalaseema and Coastal Andhra Pradesh.
- **Week 2 (01.11.2024 to 07.11.2024):** Rainfall is likely to be above normal over Karnataka, Madhya Maharashtra, Telangana and Gangetic West Bengal.

**Maximum and Minimum temperature anomaly ($^{\circ}$ C) forecast
for the next 2 weeks (IC- 23rd October, 2024)
(25th October to 07th November, 2024)**

MME forecast Tmax anomaly (Deg C)

(Week1: 25Oct–31Oct)

(Week2: 01Nov–07Nov)



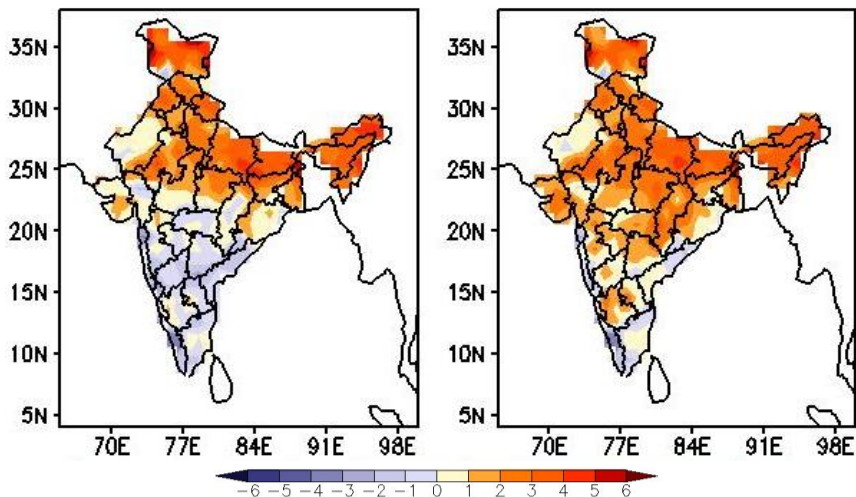
Maximum Temperature (Tmax)

- **Week 1 (25.10.2024 to 31.10.2024):** Maximum temperature is likely to be above normal over Northwest India, Chhattisgarh and parts of Odisha.
- **Week 2 (01.11.2024 to 07.11.2024):** Maximum temperature is likely to be above normal over Northwest India, East India, Northeast India, Chhattisgarh and Odisha.

MME forecast Tmin anomaly (Deg C)

(Week1: 25Oct–31Oct)

(Week2: 01Nov–07Nov)



Minimum Temperature (Tmin)

- **Week 1 (25.10.2024 to 31.10.2024):** Minimum temperature is likely to be above normal over Northwest India, East India and Northeast India. It likely to be below normal over South India and many parts of Central India.
- **Week 2 (01.11.2024 to 07.11.2024):** Minimum temperature is likely to be above normal over most parts of the country.

Strategic Agricultural Planning based on rainfall till 07 November 2024

Agromet Advisories

Kerala

234.2 mm (-14% normal) rainfall was received over Kerala from 01 October to 27 October 2024. The extended range weather forecast (rainfall) for the next two weeks (25 October - 31 October 2024 and 01 November - 07 November 2024) is normal rainfall for week 1 and deficit rainfall for week 2.

- There is a chance of leaf folder attack in Mundakan Paddy. It can be controlled by using Trichogramma cards (2CC per acre). Cut the cards into small pieces and fix them in different regions of the field. If the attack is severe, spray Chlorantraniliprole @ 3ml per ten litres of water.
- As a prophylactic measure to Sigatoka leaf spot disease, spray 20g of *pseudomonas* in one litre of water. If a Sigatoka attack is seen, spray one milli litre hexaconazole or one milli litre propiconazole per one litre of water on both the surface of the leaf.
- During high humidity, there is a chance of *pollu* disease in pepper plants. Control the shade in the garden and spray with 1% Bordeaux mixture.
- There is a chance of leaf fall in nutmeg. As a prophylactic measure to manage leaf fall in nutmeg, spray 1% Bordeaux mixture or drench the basin. Proper drainage facilities have to be ensured.

Tamil Nadu

210.1 mm (45% Excess) rainfall was received over Tamil Nadu from 01 October to 27 October 2024. The extended range weather forecast (rainfall) for the next two weeks (25 October - 31 October 2024 and 01 November - 07 November 2024) is a normal rainfall for week 1 and a deficit for week 2.

- Due to the normal rainfall forecast during this week farmers are advised to provide drainage for the rice field since the rain is anticipated. Avoid fertilizer application, insecticides or pesticides spray.
- In Irrigated crops (water management stage), farmers are advised to postpone the irrigation for the next five days.
- In pulses (sowing), Rainfall is expected in the next few days, sowing may be carried out based on local weather and soil moisture conditions. Sowing should be done with proper drainage facilities to prevent water stagnation, which can affect seed germination.
- Since rainfall with wind speed >10 kmph is expected, provide propping to early season sugarcane. Create drainage facilities
- In Groundnut, since continuous, rainfall is occurring, the farmers who have cultivated groundnut can plan for the second time hand weeding activity. Apply 160 kg of gypsum per acre in the soil and earth up the soil. Provide a proper drainage facility so that rainwater does not stagnate in the field.
- Prevailing wind speeds may damage the physical appearance of the crop. Hence, farmers are advised to practice propping. Create a drainage facility to drain out excess rainwater from the field.

- Farmers are advised to spray chlorantraniliprole 18.5 SC @ 0.4 ml/litre of water to control fall armyworm.

Karnataka

221.3 mm (79% Large excess) rainfall over South Interior Karnataka; 232.1 mm (31% excess) rainfall over Coastal Karnataka and 120.6 mm (23% excess) rainfall over North Interior Karnataka was received from 01 October to 27 October 2024. The extended range weather forecast (rainfall) provided for the next two weeks (25 October - 31 October 2024 and 01 November - 07 November 2024) is large deficit rainfall over North Interior Karnataka, deficit rainfall over Coastal Karnataka and South Interior Karnataka for week 1 and; excess rainfall over South Interior Karnataka, large excess rainfall over North Interior Karnataka and normal rainfall over Coastal Karnataka during week 2.

South Interior Karnataka

- In Finger millet (Tillering, ear head emergence), farmers are advised to drain out the excess rainwater in the crop field and tie the ear head to prevent falling.
- Farmers are advised to drain out the excess rainwater in the crop field in groundnut (seed filling stage) and also postpone spraying for Pulses (flowering stage)
- Remove and burn the infected Wilt diseased Redgram plant in the field.

North Interior Karnataka

- To reduce the incidence of pink bollworm, spray 5 % Neem origin insecticide 4-5 ml dissolved in one litre of water before flowering. Install pheromone traps to trap and monitor incidence levels. If the crop is less than 100 days then spray 2 ml of Profenofos 50 % EC or 1 gram Thiodicarb or 1 ml Spinetoram or 2 ml Quinalphos 25EC dissolved in one litre of water. If the crop is more than 100 days old, need-based application of 0.5 ml Cypermethrin is recommended. Use 400-500 litres of spray solution per acre.
- To manage leaf webber in redgram: Spraying of Profenofos 50 % EC @ 1 ml/litre of water. The weather forecast for the next five days is congenial for the incidence of pod borer pests. To reduce the incidence of the pest at least 4-6 pheromone traps per acre may be erected.
- To manage leaf minors in groundnuts, spray Quinalphos 25 EC @ 2 ml or Dimethoate 30 EC @ 2 ml/lit.
- To manage thrips, whitefly (upside Leaf curling) take up spraying of 0.5 ml Imidacloprid 17.8 % SL dissolved in one litre of water at seedling stage & 19:19:19 @ 1 g/litre of water.

Andhra Pradesh

192.5 mm (68% large excess) rainfall was received over Rayalaseema, and 154.6 mm (-1% normal) was received over Coastal Andhra from 01 October to 27 October 2024. The extended range weather forecast (rainfall) provided for the next two weeks (25 October - 31 October 2024 and 01 November - 07 November 2024) is large deficit rainfall over Rayalaseema and Coastal Andhra Pradesh for week 1 and; normal over Rayalaseema and Coastal Andhra Pradesh for week 2.

- Bengal gram growing farmers are advised to take up sowing from October 15th to November 15th and also select high-yielding Desi varieties i.e., Nandyal Gram 1267 (NBeG 1267), Nandyal Gram 776 (NBeG 776), Nandyal Gram 857 (NBeG 857), Nandyal Gram 452 (NBeG 452), Nandyal Gram 49 (NBeG 49), Dheera (NBeG 47), Nandyala Sanagal (NBeG 3), JG 11 and JAKI 9218. Kabuli: Nandyal Gram 119 (NBeG 119), Nandyal Gram 810 (NBeG810), KAK 2, Vihar (Phule G 95311) with seed rate of 30-35 kg/ acre.
- Maize crop is at the vegetative stage to grain development stage. Utilizing the available soil moisture, farmers are advised to apply 25% of N at 25-30 DAS (knee high), 25% of N at 45- 50 (Pre-tasseling) and 25% of N at 60-65 DAS (Tasseling).
- In North Coastal zone of Andhra Pradesh, farmers are advised to utilize the moisture after rains and go for sowing of Rabi blackgram with varieties like LBG 904, LBG 752 and PU 31 etc., at a seed rate of 18-20 kg/acre duly following the seed treatment with captan or mancozeb @ 2.5 g/kg seed and imidacloprid @ 5ml/kg seed and later treat the seed with rhizobium @ 20 g/kg seed before one hour of sowing and go for sowing of Rabi greengram with varieties like LGG 630, LGG 600, IPM-2-14 at a seed rate of 15-16 kg/acre duly following the seed treatment with captan or mancozeb @ 2.5 g/kg seed and imidacloprid @ 5ml/kg seed and later treat the seed with rhizobium @ 20 g/kg seed before one hour of sowing.
- Redgram crop is at flowering stage to pod development stage. Current weather conditions are congenial for maruca pod borer and helicoverpa incidence in redgram. Farmers are advised to spray neem oil @ 5 ml per liter of water initially and based on incidence to spray profenophos @2.0 ml or emamecton benzoate @0.5g or chlorpyriphos @ 2.5 ml per liter of water.

Odisha

63.6 mm (-40% deficit) rainfall was received over Odisha from 01 October to 27 October 2024. The extended range weather forecast (rainfall) provided for the next two weeks (25 October - 31 October 2024 and 01 November - 07 November 2024) is large excess rainfall over Odisha for week 1 and; excess rainfall for week 2.

- Make provision for draining out excess rain water in standing rice crop by making alleys (Pahi) and keep the drain ends open. Open the bunds in rice field to avoid water stagnation. Withhold application of fertilizer and pesticides for the time being. Cover the harvested paddy with polythene sheet to keep it safe from rain.
- In pulse (harvest), farmers are advised to harvest matured crops and keep them in safe place.
- In Sugarcane (grand growth stage), farmers are advised to tie the leaves from four to five plants together to prevent lodging and carryout propping.
- Make arrangement for covering plastic cover or polythene sheet for vegetables nursery like tomato, chilli and brinjal.

Maharashtra

100.9 mm (35% excess) rainfall over Madhya Maharashtra, 71.6 mm (1% normal) rainfall over Marathwada, 209.7 mm (86% large excess) rainfall over Konkan, and 41.3 mm (-25% deficit) rainfall over Vidarbha was recorded from 01 October to 27 October 2024. The extended range weather forecast (rainfall) for the next two weeks (25 October - 31 October 2024 and 01 November - 07 November 2024) is deficit rainfall over Konkan, Marathwada, Madhya Maharashtra and large deficit rainfall for Vidarbha for week 1; and large excess rainfall over Konkan, Madhya Maharashtra, Marathwada and Vidarbha for week 2, respectively.

Parbhani

- Harvested soybean crop must be threshed after sun drying if the produce is for seed, farmers are advised to thresh the soybean having 13-14 % moisture. The grains should be sun-dried for 3-4 days.
- For management of Rhizome fly in turmeric take a spray of Quinalphos 25 % @ 20 ml or Dimethoate 30 % @ 15 ml per 10 litre of water with an interval of 15 days during clear weather conditions. Cover the rhizome with the help of soil. (As the label claim was not given by Central Insecticides Board for Rhizome fly in turmeric the research recommendation of the university is mentioned here). For management of leaf spot disease in Turmeric crop take a spray of Azoxystrobin 18.2% + Difenconazole 11.4% (Premixed Fungicide) @ 10 ml + 5 ml Sticker per 10 litre of water during clear weather conditions.
- After harvesting of kharif crops, chickpea should be sown as early as possible, as per the availability of water. It should be done up to the first week of November. Sowing of irrigated chickpeas should be done up to 10th November, at 45x10 cm spacing. Apply 25:50:30 Kg NPK per hectare at the time of sowing. Seed treatment of 2.5 g Carbendazim or 10 g Trichoderma per Kg seed and 10 g Trichoderma or 3 g Thiram per kg seed.

Vidarbha

- Undertake clean picking of burst bolls in earlier sown cotton and properly dry the produce before storage, variety-wise. Foliar spray of 2% DAP at the boll development stage is advisable for better productivity. Keep a close watch on male moths of pink bollworm in pheromone traps in cotton fields.
- Undertake remaining harvest of matured soybean crops judging clear weather and ensure safe storage of harvested produce to protect from quality deterioration due to rains.
- Irrigated chickpea (Jaki 9218, PDKV Kanchan, Vijay, Vishal, ICCV-2, and ICCV-10) can normally be sown by October end or latest by 10 November. Wilt-resistant varieties include JAKI 9218, Vishal, ICCV-2, ICCV-10 etc. Maintain a sowing depth of 5 cm under irrigated conditions.

Konkan

- Water stress in the root zone favors the induction of flowering, hence clean the mango orchard as soon as possible to facilitate the evaporation of water from the mango orchard at a faster rate.

- If the crop is at the maturity stage, arrangements should be made to drain the water from the field 8 to 10 days before harvesting. For the late varieties, which are in the grain filling stage, regulate the water level between 5 cm by managing field bunding. Keep the water under control and ensure excess water drains properly. If needed, arrange for external water sources to supply water.
- The matured rice crop should be harvested at ground level using a "Vaibhav" sickle. The harvested rice crop should be threshed, and the grains should be dried for 2 to 3 days in the sun before being stored in a safe and dry place. If the rice is harvested late, the good grains at the tips of the panicles fall in the field, and the proportion of broken grains increases during the milling process.
- Water stress in the root zone favours the induction of flowering, hence clean the mango orchard as soon as possible to facilitate the evaporation of water from the mango orchard at faster rate.
- Clean the Cashew Nut orchard field by removing weeds, and diseased infected branches.
- In turmeric, due to rainfall, if rhizomes are exposed, follow earthing up in the turmeric field.

Madhya Maharashtra

- Late flowering in pigeon pea is observed in many areas due to continuous rains. For better pod formation and higher seed yield, foliar application of WSF grade 19:19:19 @ 10 g per lit of water is advised.
- Farmers who want to sow jowar for animal feed should choose the varieties viz., Phule Ruchira, Phule Amruta, and Phule Godhan. For sowing, use 40 kg of seeds per hectare and sowing of seeds at a distance of 30 cm is recommended.
- Due to extended rains in the kharif season, the sowing of rabi crops has been delayed. In areas where irrigation facilities are available, may sow jowar and safflower.

Gujarat

41.1 mm (95% large excess) rainfall was received over Gujarat from 01 October to 27 October 2024. The extended range weather forecast (rainfall) provided for the next two weeks (25 October - 31 October 2024 and 01 November - 07 November 2024) over Gujarat is an excess for week 1 and a deficit for week 2.

- Complete the harvesting of the kharif pearl millet crop at maturity stage in clear and dry weather conditions, keep it for sun drying at optimum moisture level in grains and thereafter complete the threshing operation.
- Under current weather conditions, rouging of viral infected plants should be done in chilli. Infected plants should be uprooted and buried in the soil. After rouging, spraying Imidacloprid 17.80 % SL @ 3 ml per 10 litre of water is advised to control the vector.
- Apply Malathion 50 EC @ 60 ml/15 litre for control of castor hairy caterpillar and semi-looper.
- To prevent damage of psylla and thrips of lemon, spray Imidacloprid 17.80 % SL 1 ml / 10 liter of water under clear weather. Spray Copper Oxychloride 50 % WP 40 g in 10 liters of water for the management of citrus canker.

Chhattisgarh

20.8 mm (-64% large deficit) rainfall was received over Chhattisgarh from 01 October to 27 October 2024. The extended range weather forecast (rainfall) provided for the next two weeks (25 October - 31 October 2024 and 01 November - 07 November 2024) over Chhattisgarh is deficit rainfall for week 1 and large excess rainfall for week 2.

- Farmers are advised to control of Armyworm and Panicle mite spray fungicides when the weather is clear. For control of Sheath Blight farmers are advised to spray insecticides when the weather is clear.
- Farmers having irrigation facilities should irrigate their rice fields as per requirement.
- The field where rice crop is approaching maturity and the field are having some moisture; farmers can go for relay cropping (utera) of linseed or Lathyrus.
- In sugarcane, Farmers are advised to spray pesticides or apply bio-control agents when weather is clear.

Madhya Pradesh

16.4 mm (-54% deficit) rainfall was received over East Madhya Pradesh from 01 October to 27 October 2024. The extended range weather forecast (rainfall) provided for the next two weeks (25 October - 31 October 2024 and 01 November - 07 November 2024) over Madhya Pradesh is large excess rainfall for week 1 and week 2.

- Farmers are advised to collect input like seeds of rabi crops like wheat, mustard, gram, and lentil. The crop is ready for sowing once the day temperature comes around 28 ° C.
- Apply pesticide application in late sown rice against sucking pests and stem borer and vegetables against pod borer
- Chickpea should be sown in a rough seed bed. Seeds should be treated with fungicide. After seed treatment, seeds should also be inoculated with Rhizobium bacteria before sowing in the field.
- Intercultural operation is practised between rows of pigeonpea.
- Field is prepared for sowing early pea and potato vegetables.
- Sowing of rabi season vegetables starts as the weather is clear with good sunshine.

Assam

187.1 mm (30% excess) rainfall was received over Assam from 01 October to 27 October 2024. The extended range weather forecast (rainfall) provided for the next two weeks (25 October - 31 October 2024 and 01 November - 07 November 2024) over Assam is a large excess for week 1 and excess for week 2.

- Gundhi bug infestation is observed in the panicle emergence stage to the milk dough stage which may be controlled by applying Malathion 5% dust @ 20 kg/ha based on ETL in sali paddy. Holding fires around the field at night hours also reduced the Gundhi bug population. Alternatively, the application of Neemazol or Neembicidine or Neem oil @ 4ml per liter of water to control gundhi bug infestation in sali rice.
- During the time of final land preparation apply 3 to 4 quintals of FYM along with 12 kg Urea, 30 kg SSP and 3 kg MOP in case of Rapeseed. For Mustard, the application of 23 kg Urea, 33 kg SSP and 7 kg MOP along with 1.0 kg Borax per bigha of land is recommended.

Apply lime at least 21 days prior to sowing of seeds. Suitable varieties recommended for the state of Assam are M-27, TS-36, TS-38, TS-46, PM-26, PM-27, NRCHB-101 etc. Land preparation and sowing may be postponed until fair weather is anticipated.

- For coriander, the field should be thoroughly ploughed and harrowed to obtain a fine seeding bed and FYM to be applied. Suitable for cultivation under rainfed conditions are UP 41,

West Bengal

196.4 mm (54% excess) rainfall was received over Gangetic West Bengal and rainfall received over Sub Himalayan West Bengal was 156.9 mm (14% normal) from 01 October to 27 October 2024. The extended range weather forecast (rainfall) for the next two weeks (25 October - 31 October 2024 and 01 November - 07 November 2024) is large excess rainfall over Gangetic West Bengal and deficit rainfall over 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.

- Kharif rice is going to face harsh yield loss due to an untimely cyclone leading to major lodging in rice. Farmers are advised to harvest rice as soon as possible.
- Stagnation of water in vegetable fields can lead to wilting in vegetables, especially brinjal, pointed gourd, and chilli.
- High wind speed along with high-intensity rainfall may lead to lodging in matured rice. Harvesting of matured kharif rice is advised to harvest as early as possible.
- In brinjal (flowering and fruiting), farmers are advised that stagnation of water should be avoided. Upland planting is recommended.
- In pointed gourd, Bamboo structures may be repaired, and drainage channels should be cleared periodically.
- Application of Fosetyl a.i. 80% WP or Carbendazem 50% WP can be done on bright sunny days to prevent downy mildew in Cucurbitaceae plants.

Jharkhand

58.1 mm (-19% normal) rainfall received over Jharkhand from 01 October to 27 October 2024. The extended range weather forecast (rainfall) provided for the next two weeks (25 October - 31 October 2024 and 01 November - 07 November 2024) over Jharkhand is a large excess for week 1 and excess for week 2.

- Before cyclone advisory was given - Mature crops should be harvested and kept in a safe place, animal should stop open grazing, drainage for standing crops and protect vegetable seedlings with making polythene shade.
- In the areas where paddy crops are about to mature, water should be drained two weeks before harvesting. After harvesting crop should be dried in the field for 2-3 days and thereafter threshing should be done. Grains should be properly dried to the right moisture level 12-14 % before storing. Godowns should be properly cleaned by removing all the grains and other storage matter of previous crop.

- Farmers who want to cultivate early Peas, should arrange for good quality seeds, fertilizers etc. Choose the recommended early pea variety, Arkel. For sowing in one acre, 40 kg seeds, 35 kg 85 urea, 200 kg SSP. And 25 kg of muriate of potash is required.

Uttarakhand

2.8 mm (-91% large deficit) rainfall was received over Uttarakhand from 01 October to 27 October 2024. The extended range weather forecast (rainfall) provided for the next two weeks (25 October - 31 October 2024 and 01 November - 07 November 2024) over Uttarakhand is large deficit rainfall for week 1 and week 2.

- Prepare fields and sowing should be done. Seed rate: 100 kg seed/ha. Seed treatment should be done with 2 gm thiram/kg seed or 10 gm biofungicide Trichoderma spp/kg of seed.
- In irrigated valley areas, prepare fields and sowing should be done. Seed rate: Tall varieties - 75-80 kg/ha, Dwarf varieties - 100 kg/ha. Treat the seeds with Rhizobium culture at the rate of 2 kg and apply 2 kg Phospho-bacterium as soil application just before sowing.
- Apply light irrigation the day before harvesting to make it easier to uproot the individual plants.

Uttar Pradesh

0.3 mm (-99% large deficit) rainfall received over Western Uttar Pradesh and 2.9 mm (-91% large deficit) rainfall received over Eastern Uttar Pradesh from 01 October to 27 October 2024. The extended range weather forecast (rainfall) for the next two weeks (25 October - 31 October 2024 and 01 November - 07 November 2024) is excess over Eastern Uttar Pradesh and No rain over Western Uttar Pradesh during week 1 and normal over Eastern Uttar Pradesh and large deficit over Western Uttar Pradesh during week 2.

Eastern Uttar Pradesh

- As per the extended range weather forecast, no rainfall forecast during the reporting week and normal rainfall forecast from 18-24 Oct 2024 in the central and western zones of Uttar Pradesh therefore, farmers are advised irrigation should be done at late planted paddy crop. Harvest the crop when 90% of the timely-sown paddy turns golden in colour. Taking advantage of last week's rainfall
- The current weather is favourable to carrying out the drying of matured crops of Maize. Under the sun followed by threshing.

Western Uttar Pradesh

- As per the extended range weather forecast, no rainfall forecast from 25 Oct-07 Nov 2024 in the central and western zone of Uttar Pradesh. Farmers are advised to harvest mature paddy crops.
- Sowing of rain-fed wheat varieties such as K-8027, K-8962, K-9465, K-9351, HDR-77, HD-2888 and K-9644 and recommend Duram varieties such as Meghdoot, Vijaya, GW-2, HD-4672 and Sujata. Arrangement of seed and fertilizer for irrigated wheat.

Himachal Pradesh

0.7 mm (-97% large deficit) rainfall was received over Himachal Pradesh from 01 October to 27 October 2024. The extended range weather forecast (rainfall) provided for the next two weeks (25

October - 31 October 2024 and 01 November - 07 November 2024) over Himachal Pradesh is large deficit for week 1 and week 2.

- Before Rabi crop sowing after cleaning fields add decomposed FYM or compost before sowing of crops as it improves the physical and biological properties of soil and thus increases the water retention capacity as well as nutrient status of the soil.
- Advised mustard sowing. Gobhi sarson, Linseed can be sown. Sowing of gram and lentil should be completed in lower areas. Advised early wheat sowing in lower regions. Early sown varieties of Wheat can be sown. The Seed should be cleaned and graded thoroughly before sowing. Shrivelled & small wheat grains and weed seeds should be removed.
- Farmers practising natural farming can control insect-pest infestation by spraying Agniastra, Brahmastra and Neemastra and dashparni ark at weekly intervals @3.0 per cent and Jeevaamrit @ 10.0 percent at regular intervals during the clear weather condition

Rajasthan

11.4 mm (-21% deficit) rainfall was received over East Rajasthan from 01 October to 27 October 2024. The extended range weather forecast (rainfall) provided for the next two weeks (25 October - 31 October 2024 and 01 November - 07 November 2024) over East Rajasthan is No rain for week 1 and large deficit for week 2.

- Farmers are advised for not to burn the residue of kharif crops in the fields because it not only pollutes the environment but also causes severe health (respiratory) problems. Farmers are advised to mix the residue of kharif crops in the soil. It increases the soil fertility. It can be used as mulch for decreasing soil evaporation and conserving soil moisture
- Farmers are advised to procure good quality seeds of wheat and start field's preparation. Recommended cultivars for normal sowing:- Raj-3077, W.H.-147, G.W.-190, G.W.-322, G.W.- 273, H.I.- 1544, Raj- 4037, H.I- 8498, Lok-1 and Raj-3765. Seed rate: - 100 kg seed per ha. Application of Chlorpyriphos (20EC) @ 5 litres per ha. with pre-irrigation is recommended before sowing in the fields having perennial problems of termite infestation. The recommended dose of fertilizer for N: P: K is 120, 50 and 40 kg / ha.

Haryana

0.5 mm (-95% large deficit) rainfall was received over Haryana from 01 October to 27 October 2024. The extended range weather forecast (rainfall) provided for the next two weeks (25 October - 31 October 2024 and 01 November - 07 November 2024) over Haryana is no rain for week 1 and large deficit for week 2.

- Farmers are advised to not burn the paddy straw /residue after threshing of the crop. Burrowing it in the soil for improve the fertility and prevent soli nutrient or air pollution.
- Possibilities of fall in temperature during the period, farmers are advised for sowing of Mustard crop. Farmers are advised to sowing of mustard with recommended certified seed like RH 30, RH 0749, RH 0406, Varuna, Luxmi, if have sufficient moisture in the field. Before sowing mustard, the seed treated with the 2gram Carbendazim per kilogram gram seed.
- Possibility of favourable temperature farmers are advised to sow gram crop with recommended variety for the irrigated area are C 235, HC 5 and un-irrigated/rainfed variety HC 1. Farmers are advised to treat the gram seed with Bioderma 4 gram and 1 gram Vitavex

mix with 5 ml water for 1 kg seed to control fungal disease and also Rhizobium seed treatment advised as per university recommendation.

- Possibility of dry weather farmer's advice for picking the cotton. The cotton picking after sun rises and evaporates the dew from cotton balls. As possible of higher moisture in the picked cotton seed, farmers are advised to keep (picked seed cotton) in a dry store condition

Bihar

19.1 mm (-66% large deficit) rainfall was received over Bihar from 01 October to 27 October 2024. The extended range weather forecast (rainfall) provided for the next two weeks (25 October - 31 October 2024 and 01 November - 07 November 2024) over Bihar is a large excess for week 1 and week 2.

- Field sanitization and land preparation are advised for rabi crops such as maize, gram and potato. Bunds, channels and field roads should be also cleaned by removing weeds. Application of well-decomposed FYM@150-200 quintal/ha is advised. Ploughing and planking should be done properly to conserve the moisture in the soil.
- Harvesting and threshing of paddy is advised. Farmers are advised to give top priority in harvesting paddy.

Disclaimer:/अस्वीकरण:

मौसम की भविष्यवाणी कई कारकों पर निर्भर करती है जो प्रकृति में गतिशील हैं। यहां दी गई कृषि मौसम संबंधी सलाहों की सफलता मौसम पूर्वानुमान की सटीकता पर निर्भर करती है। किसी भी स्थिति में, भारतीय मौसम विज्ञान विभाग (IMD) और भारतीय कृषि अनुसंधान परिषद (ICAR) उपयोगकर्ता या किसी तीसरे पक्ष के लिए किसी भी प्रत्यक्ष, अप्रत्यक्ष, आकस्मिक, परिणामी, विशेष या अनुकरणीय नुकसान या खोए हुए लाभ के लिए इस बुलेटिन में प्रस्तुत जानकारी का उपयोग या दुरुपयोग करने के लिये उत्तरदायी नहीं होंगे।

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.