



राष्ट्रीय कृषि मौसम परामर्शी सेवाएं बुलेटिन
National Agromet Advisory Services Bulletin

जारी करने की तिथि/ **Date of issue: 21 August 2024**

आधारित/**based on**

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

वैधता/**Validity: 16 August - 29 August 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

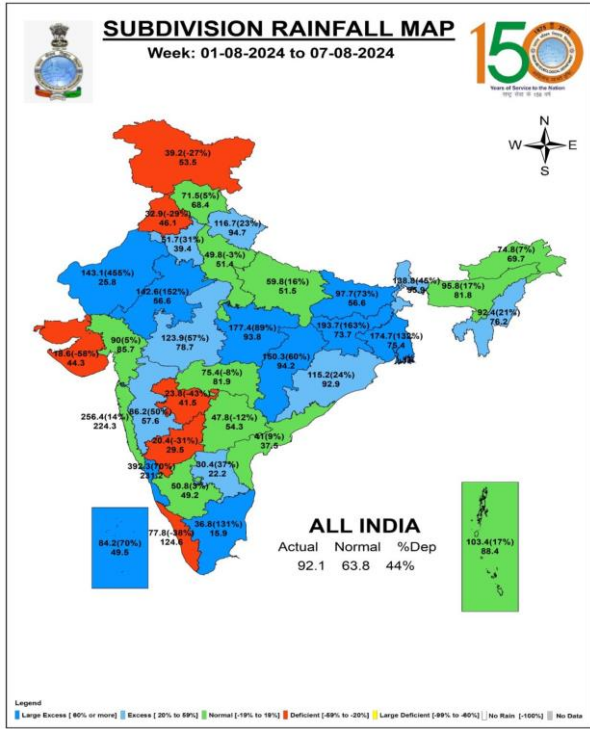
India Meteorological Department (IMD)

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)

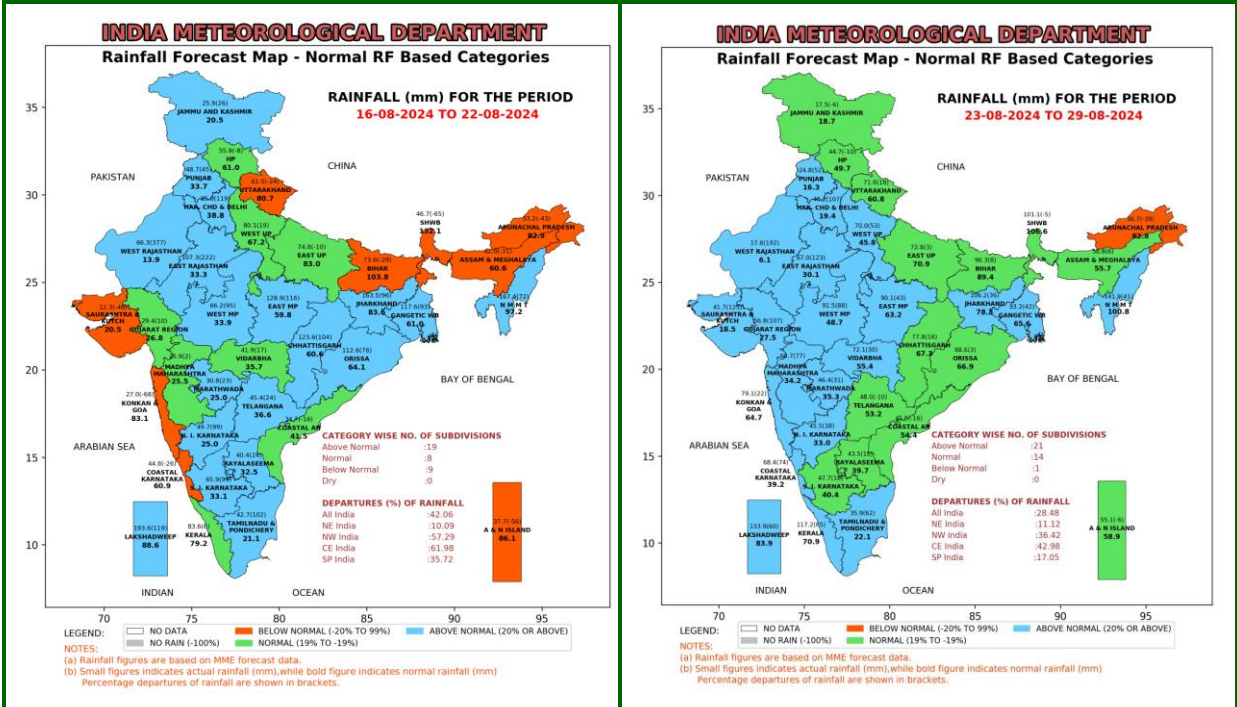
Realized Rainfall
(01st to 14th August, 2024)



- Normal or above normal rainfall occurred in both the weeks over Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Uttar Pradesh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Arunachal Pradesh, Rajasthan, Madhya Pradesh, Andhra Pradesh, South Interior Karnataka, Tamil Nadu Puducherry & Karaikal and Lakshadweep.
 - Normal or above normal rainfall occurred in either of the two weeks over Punjab, Gangetic West Bengal, Assam & Meghalaya, Nagaland Manipur Mizoram & Tripura (NMMT), Gujarat Region, Konkan & Goa, Madhya Maharashtra, Vidarbha, Chhattisgarh, Odisha, Telangana, Coastal Karnataka and Andaman & Nicobar Islands.
- Below Normal rainfall/no rain occurred in both the weeks over Jammu & Kashmir and Ladakh (UTs), Saurashtra & Kutch, Marathwada, North Interior Karnataka and Kerala & Mahe.

Extended Range Forecast System

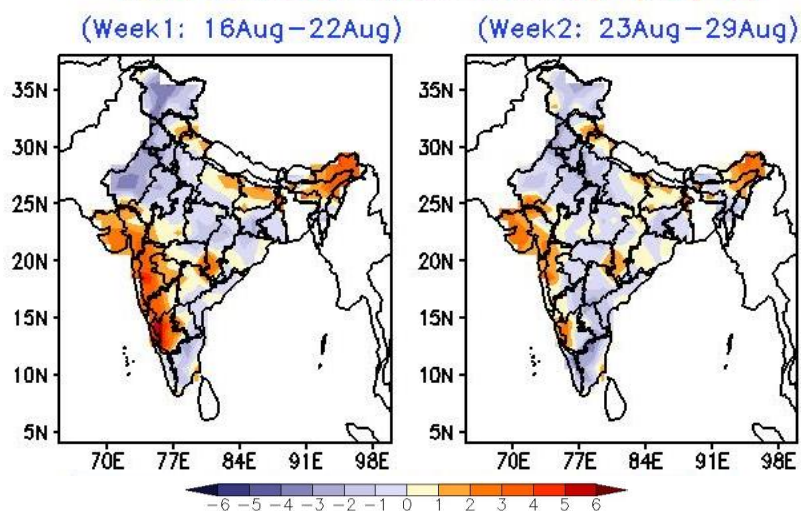
Rainfall forecast maps for the next 2 weeks (IC- 14th August, 2024) (16th to 29th August, 2024)



- **Week 1 (16.08.2024 to 22.08.2024):** Rainfall is likely to be above normal over Odisha, Gangetic West Bengal, Jharkhand, Chhattisgarh, Madhya Pradesh, Rajasthan and adjoining north India. However, it likely to be below normal over regions along the West coast and adjoining central India.
- **Week 2 (23.08.2024 to 29.08.2024):** Rainfall is likely to be above normal over many parts of the country.

**Maximum and Minimum temperature anomaly ($^{\circ}$ C) forecast
for the next 2 weeks (IC- 14th August, 2024)
(16th to 29th August, 2024)**

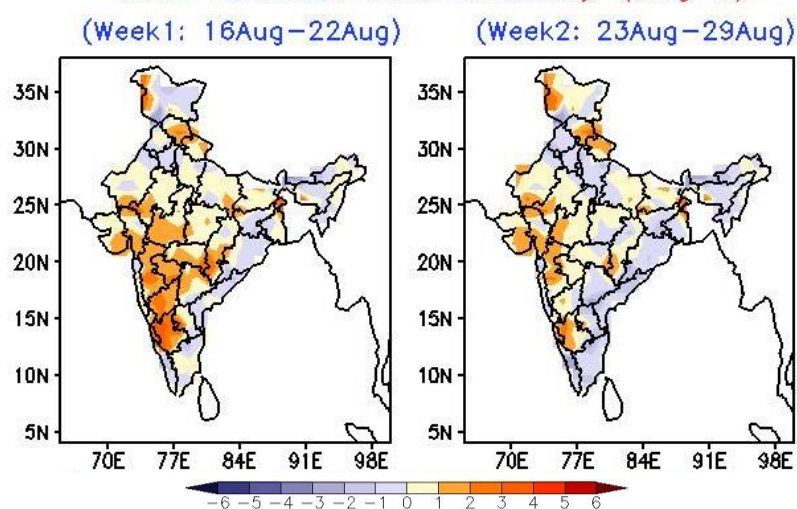
MME forecast Tmax anomaly (Deg C)



Maximum Temperature (Tmax)

- **Week 1 (16.08.2024 to 22.08.2024) and Week 2 (23.08.2024 to 29.08.2024):** Maximum temperature is likely to be above normal over Karnataka, Maharashtra, Gujarat, South Chhattisgarh, Arunachal Pradesh, Assam, Bihar, East Uttar Pradesh, Himachal Pradesh and Uttarakhand.

MME forecast Tmin anomaly (Deg C)



Minimum Temperature (Tmin)

- **Week 1 (16.08.2024 to 22.08.2024):** Minimum temperature likely to be above normal over Karnataka, Maharashtra, Gujarat, West Madhya Pradesh, South Rajasthan, Himachal Pradesh and South Chhattisgarh.
- **Week 2 (23.08.2024 to 29.08.2024):** Minimum temperature likely to be above normal over Karnataka, Madhya Maharashtra, Gujarat, West Madhya Pradesh, South Rajasthan, Himachal Pradesh, Uttarakhand and South Chhattisgarh.

Strategic Agricultural Planning based on rainfall till 29 August 2024

Agromet Advisories

Kerala

1413 mm (-12% deficit) rainfall was received over Kerala from 01 June to 18 August 2024. The extended range weather forecast (rainfall) for the next two weeks (16 August - 22 August 2024 and 23 August - 29 August 2024) is normal rainfall for week 1 and above normal for week 2.

- Special crop management is required for crops during monsoon season. Proper drainage facilities must be ensured. If the soil is more acidic, add lime as per soil testing. Pesticides are advised to be applied during rainy periods. Provide support to banana crops. Make the vegetable pandals stronger. To protect farmers and livestock from lightning and thunder avoid standing in open areas.
- During the rainy season, rhizome rot in banana is possible. Drench the basin with 3 litre of pseudomonas solution (20 g per litre of water) as a prophylactic measure.
- During the rainy season, there is a chance of downy mildew attack in cucurbitaceous vegetables. Spraying 2.5 g Mancozeb per one litre of water under the leaves is advised to protect.
- During the rainy season, there is a chance of leaf fall disease in nutmeg, As a prophylactic measure spray 1% Bordeaux mixture. Pesticide application is not advised during rain.

Tamil Nadu

312.7 mm (86% large excess) rainfall was received over Tamil Nadu from 01 June to 18 August 2024. The extended range weather forecast (rainfall) for the next two weeks (16 August - 22 August 2024 and 23 August - 29 August 2024) is above normal rainfall for week 1 and week 2.

- Since moderate rainfall is expected, postpone the top dressing of nitrogen to 30 days old transplanted rice. Harvested sorghum may be protected safely. Rainfall may affect the colour of the seeds.
- Prevailing high wind speed (>10 kmph) may damage the banana and sugarcane. Farmers are advised to do propping
- Weather favours for rugose whitefly incidence. Spraying starch solution (1%) to dislodge the heavy sooty mould deposition on the leaves of infested plants. Use of yellow sticky traps to trap the adult whiteflies. Encourage the build-up of parasitoids (*Encarsia* sp.) In case of severe infestation, spray neem oil 0.5%.
- Due to continuous rainfall stem rot disease may appear in groundnut fields. To manage, it is advised to provide proper drainage facility in the crop field and apply Chlorothalonil @ 400 g/acre.

Karnataka

628 mm (35% excess) rainfall over South Interior Karnataka; 3058.1 mm (21% excess) rainfall over Coastal Karnataka and 340.2 mm (16% excess) rainfall over North Interior Karnataka was received from 01 June to 18 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (16 August - 22 August 2024 and 23 August - 29 August 2024) is above normal over North Interior Karnataka, South Interior Karnataka and below normal over Coastal

Karnataka for week 1 and; above normal over Coastal, North Karnataka and normal over South Karnataka during week 2.

South Interior Karnataka

- Due to high wind speed, postpone the spraying operation in agriculture and horticultural crops and provide mechanical support to banana and staking to vegetable crops to protect from the uprooting of crops
- Undertake transplanting of paddy seedlings and sowing of cowpea and black gram.
- Due to high humidity (warm and humid weather) possibility of pest and disease build-up is higher in already sown crops. Take prophylactic measures depending on the crop.
- The following crops are suggested for sowing:
 - Finger millet: *GPU-28, 45,48 and 66, ML-365*
 - Cowpea: *TVX-944, KBC-1*, Green gram: *PS-16, PDM-84, 178*
 - Black gram: *Karagao-3, T-9, Rashmi (LBG-625)*.

North Interior Karnataka

- To manage bulb rot in onion, take up spraying of carbendazim @ 1 gm/lit of water. 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.
- To manage thrips, and whitefly (upside leaf curling) in chilli crop it is advised to spray Cyantraniliprole 10.26 % OD @ 12 ml/10-litre water or Imidacloprid 17.8 % SL @ 3ml/10 litre of water at the seedling stage.
- Due to high cloudy conditions and rainfall, there is a chance of occurrence of Anthracnose disease in grapes at the vegetative stage. To manage Anthracnose disease, spraying of Copper oxychloride 50WG @0.24% solution or Carbendazim + Mancozeb 63WP @0.15% solution is recommended.

Andhra Pradesh

318.7 mm (44% excess) rainfall was received over Rayalaseema, and 473.4 mm (29% excess) was received over Coastal Andhra from 01 June to 18 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (16 August - 22 August 2024 and 23 August - 29 August 2024) is above normal over Rayalaseema and normal over Coastal Andhra Pradesh for week 1 and; normal for week 2.

- Contingent crops suitable for sowing in red soils for August: Jowar, Greengram, Bajra, Cowpea, Redgram, Horse gram, Castor. Contingent crop suitable for sowing in black soils for August: Jowar, Foxtail millet (Suryanandi, Mahanandi), Greengram (IPM-2-14&WGG 42), Redgram (Short duration varieties), Castor and Cotton.
- Suggested to take up thinning and removing excess population in redgram and millets @ 20-25 DAS by retaining one seedling per hill and maintaining the optimum plant population. In North Coastal Andhra Pradesh, continue transplanting of the rice and ragi,

utilize the moisture after rains and incorporate the green manure crop into the soil. To control weeds, spray Imazethapyr @ 300 ml/acre at 20 days after sowing in groundnut.

- Krishna zone, the cotton farmers are advised to set up yellow and blue sticky traps @ 10 per acre each for monitoring both the whitefly and thrips incidence. And advised to spray neem oil @ 1 litre or azadirachtin @ 10000 ppm per acre, it can avoid egg laying by sucking pests. If the incidence increase then the spraying of Acephate 75WP@ 0.5 g/l or Acetamiprid 20SP@ 0.2 g/lit of water is recommended.

Odisha

686.6 mm (-11% deficit) rainfall was received over Odisha from 01 June to 18 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (16 August - 22 August 2024 and 23 August - 29 August 2024) is above normal over Odisha for week 1 and; normal for week 2.

- Application of fertilizer & pesticides may be withheld for the time being owing to high rainfall in paddy.
- Make drainage channels for removal of excess water from vegetable crops and prepare the bunds.
- To manage red rot disease in sugarcane, it is advised to spray Carbendazim 12%+ Mancozeb 63 % WP @ 400-gram/acre or Metalaxyl 8 % + Mancozeb 64 % @ 400-gram/acre by mixing it in 200-litre of water.
- August and September are the optimum time for tomato planting. Grow tomato varieties like *Utkal Kumari (BT-10)*, *Utkal Deepti (BT-2)*, *Utkal Raja*, *Utkal Pragyana* and *Swarna Sampad*. For one acre planting 150 to 200 grams of seeds are required.

Maharashtra

685.7 mm (32% excess) rainfall over Madhya Maharashtra, 446.7 mm (11% excess) Marathwada, 2832.4 mm (26% excess) Konkan, and 796.3 mm (20% excess) rainfall over Vidarbha was recorded from 01 June to 18 August 2024. The extended range weather forecast (rainfall) for the next two weeks (16 August - 22 August 2024 and 23 August - 29 August 2024) is below normal rainfall over Konkan, normal over Madhya Maharashtra, normal over Vidarbha and above over Marathwada for week 1; and above normal over Konkan, Vidarbha, Madhya Maharashtra and Marathwada for week 2, respectively.

Parbhani

- For management of yellow mosaic in soybean crop, remove and destroy yellow mosaic-infected plants. take a spray of Thiamethoxam 12.6% + Lambda Cyhalothrin 9.6% ZC @ 50 ml or Acetamiprid 25% + Bifenthrin 25% WG @ 100 g or Beta-Cyfluthrin 8.49% + Imidacloprid 19.81% OD @ 140 ml per acre during clear weather condition.
- For management of white grubs in sugarcane crop soil application of *Metarhizium anisopliae* @ 4 kg per acre (if the infestation is more use 10 kg per acre) should be done.
- For management of fall armyworm in kharif sorghum crop take a spray of Emamectin Benzoate 5 % @ 4 g or Spinetoram 11.7 SC @ 4 ml per 10 liter of water during clear weather condition is advised. Intercultural operations should be done for weed management in the kharif sorghum crop during whapasa conditions

Vidarbha

- Opening of moisture conservation furrows is advisable at 30 days stage of soybean by tying rope to hoe tine.
- Apply top dressing of nitrogen fertilizer @ 40 kg N/ha to 25-30 days old maize and sorghum followed by hoeing at *whapasa* conditions during clear weather.
- Apply top dressing of nitrogen fertilizer to early sown cotton crop @ 40 kg N/ha for irrigated Bt cotton, @35 kg N/ha for irrigated hybrid cotton, @30 kg N/ha for rainfed Bt cotton and deshi hybrid cotton, @20 kg N/ha for deshi improved variety.
- Undertake intercultural operations (weeding/hoeing) at *whapasa* condition in pigeon pea crop.

Madhya Maharashtra

- Due to continuous rainfall, a heavy infestation of weeds in the alleys of pigeon pea is observed. Hence, if possible, remove the weeds mechanically to avoid further problems. Undertake nipping in 45 days old pigeon pea.
- Due to cloudy and humid weather during the past few days, if the incidence of stem fly is observed in soybean, spray Chlorantraniliprole 18.5 SC @ 3 ml per 10 litres of water during clear weather
- For effective in situ soil moisture conservation and anticipation of higher fruit yield from the orchard of custard apples grown on light-slopped soils of scarcity region of western Maharashtra, draw the half-moon-shaped basins around the tree across the slope. Dig out the trenches at 1 meter away from tree and fill it with the leftover of the field.

Konkan

- Due to the forecast for light to moderate rainfall, maintain an optimum water level of 5 cm in the rice field. External water sources can be used to maintain water levels in the rice field. Arrangements should be made to keep the water in the rice paddies by making embankments.
- Undertake intercultural operations in red gram, black gram and finger millet when the intensity of rainfall is low.
- Apply a second split dose of nitrogenous fertilizers @ 35 kg urea per acre to finger millet at the tillering stage after weeding operation during clear weather (no rainfall).
- Due to intermittent rainfall and cloudy weather conditions, there is a possibility of incidence of blue beetle on lowland rice, to control spray Quinalphos 25% EC @ 20 ml or Lambda-cyhalothrin 5% EC @ 5 ml per 10 litres of water.

Gujarat

623.6 mm (-8% deficit) rainfall was received over Gujarat from 01 June to 18 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (16 August - 22 August 2024 and 23 August - 29 August 2024) over Gujarat is below normal for week 1 and above normal for week 2.

- Infestation of aphids observed in B.T. cotton. If infestation is found above ETL, spray Imidacloprid 17.8 % SL 5 ml in 10 litres of water. To prevent Alternaria blight disease

infestation spray Mancozeb 75 % WP 27 g in 10 litres of water as a precautionary measure under the clear sky.

- In brinjal and tomato crops, monitoring of borers by using pheromone traps 4-6 per acre is advised. For control of shoot and fruit borer in brinjal and tomato crops, infested fruits and shoots should be collected and buried into the soil. If the insect population is above ETL, spray Chlorantraniliprole 18.5 % SC 3.0 ml /10 litre of water under clear weather conditions is advised.
- Spray Copper Oxychloride 40 g or Streptocycline 1.5 g in 10 litres of water for management of citrus canker. Spray Quinalphos 25 % EC 20 ml in 10 litres of water for control of leaf miner.

Chhattisgarh

837.4 mm (7% excess) rainfall was received over Chhattisgarh from 01 June to 18 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (16 August - 22 August 2024 and 23 August - 29 August 2024) over Chhattisgarh is above normal for week 1 and normal for week 2.

- Where paddy has been planted in the field, top dressing of urea should be done. In case of longer duration of paddy nursery and late planting, pluck the upper part of its leaves and transplant 3-4 seedlings per hill. Biasi should be done in rice crops after achieving 20-25 days age of rice seeding in the broadcast method.
- Control weeds by weeding when the soybean crop is at the stage of 15-20 days. Spray Imazethapyr 10% S.L. @ 30 ml/ ha. weedicide at the stage of 2-3 leaves stage

Madhya Pradesh

784 mm (10% excess) rainfall was received over Madhya Pradesh from 01 June to 18 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (16 August - 22 August 2024 and 23 August - 29 August 2024) over Madhya Pradesh is above normal for week 1 and week 2.

- Due to the forecast of above-normal rainfall, it is advised to ensure drainage arrangement in the maize field to avoid waterlogging. Top dressing of nitrogen in crops will be done only after the rain stops.
- In rice crops construct bunds around fields for soil and water conservation measures.
- Vaccinate cattle against rainy season diseases.
- Time for nursery bed preparation for sowing of kharif onion, chilli and brinjal seeds.
- Use of pesticide application for controlling pests after consulting from nearby KVKs.
- Make a pit for transplanting fruit seedlings during the rainy season. Congenial weather for planting papaya, mango, guava, etc with recommended fertilizer application and pit size

Assam

1192.8 mm (-6% deficit) rainfall received over Assam from 01 June to 18 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (16 August - 22 August 2024 and 23 August - 29 August 2024) over Assam is below normal for week 1 and normal for week 2.

- In Sali rice (Winter paddy) gap filling should be done within 7-10 days after transplanting with seedlings of the same age. Two weeding should be given with paddy weeder or hoe at 20 and 40 days after transplanting
- In order to avoid physical damage in orchard trees due to gusty wind during the monsoon season prevailing over the region; it is advised to provide mechanical support to the crops like banana, citrus, papaya etc. may be advocated. One should ensure proper drainage to drain out excess water from the crop fields. As normal rainfall is anticipated during the ensuing days, harvesting of matured vegetables and fruits from standing crops may be carried out and should be kept in a proper storage place away from moisture.

West Bengal

613.5 mm (-22% deficit) rainfall was received over Gangetic West Bengal and rainfall received over Sub Himalayan West Bengal was 1608.8 mm (23% excess) from 01 June to 18 August 2024. The extended range weather forecast (rainfall) for the next two weeks (16 August - 22 August 2024 and 23 August - 29 August 2024) is above normal rainfall over Gangetic West Bengal and below normal over Sub-Himalayan West Bengal during week 1 and above normal rainfall over Gangetic West Bengal and normal over Sub-Himalayan West Bengal week 2.

- In *Kharif* rice field, excess amount of rainfall is forecasted in the upcoming week. No extra irrigation is needed. Check the bunds, in case of excess water, it can be drained by cutting the bunds along the slope. For the management of Yellow stem borer, Leaf folder spraying of Cartap Hydrochloride 50 % SP @ 1gram/litre or Indoxacarb 14.50 % SC@ 0.5ml/litre water is recommended
- It is the optimum time to cut the jute and prepare for retting. Use of CRIJAF-SONA @25-30 kg for 1 ha harvest of jute.

Jharkhand

588.3 mm (-15% deficit) rainfall received over Jharkhand from 01 June to 18 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (16 August - 22 August 2024 and 23 August - 29 August 2024) over Jharkhand is above normal for week 1 and week 2.

- In rice crop, apply 25 kg urea, 32 kg D.A.P. in paddy field and 20 kg of Murate of Potash per acre. Plant 2 to 3 seedlings at a shallow depth by keeping 20 cm from row to row and 15 cm from plant to plant.
- Intermittent dry and wet weather conditions, is favourable for the incidence of BLB and Sheath blight in early-sown nursery seedlings. Go for the foliar spray of Hexaconazole with Plantomycin @ 1.0 g/l to prevent the spread of the disease. If leaf blast is observed in the nursery, spray Tebuconazole 50% + Trifloxystrobin 25% WG @ 0.4 g or Isoprothiolane 40EC @ 1.5 ml per litre of water. Repeat the spray at 7-10 days interval.
- In maize crop, 15 days after sowing, to protect from stem borer, Dimethoate 30 % EC@ 1ml/liter water is recommended. apply urea (at the rate of 30 kg per acre) 25-30 days after sowing. To protect from bird attacks farmers are advised to tie bright ribbons in the fields with the help of poles,

Bihar

511.7 mm (-23% deficit) rainfall received over Bihar from 01 June to 18 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (16 August - 22 August

2024 and 23 August - 29 August 2024) over Bihar is below normal for week 1 and normal for week 2.

- Weeding is advised in paddy on a priority basis. Monitoring is advised for infestation of stem borer and leaf folder in paddy crop.
- Monitoring is advised for infestation of fruit and shoot borers in brinjal. Infested fruits and shoots should be collected and buried.
- Complete the transplanting of early varieties of cauliflower such as Kuwari, Patna early, Pusa katki, Pusa deepali and Hajipur agaat. Application of 10-15 kg Borax and 1.0 kg ammonium molybdate per hectare is advised in boron/molybdenum deficient land. Regular monitoring of leaf-eating caterpillar (diamondback moth) is advised in early sown cauliflower. If infestation is observed in the field, spraying of Imidacloprid @ 0.3ml/litre of water is advised in clear day conditions.

Uttar Pradesh

425.2 mm (-8% deficit) rainfall received over Western Uttar Pradesh and rainfall received over Eastern Uttar Pradesh was 477.2 mm (-11% deficit) from 01 June to 18 August 2024. The extended range weather forecast (rainfall) for the next two weeks (16 August - 22 August 2024 and 23 August - 29 August 2024) is normal over Eastern Uttar Pradesh and Western Uttar Pradesh during week 1 and normal over Eastern Uttar Pradesh and above normal Western Uttar Pradesh for week 2.

Western Uttar Pradesh

- As per extended range weather forecast, above normal rainfall forecast during 16-29 August in central and western Uttar Pradesh therefore, farmers are advised to stop irrigation, weeding should be done and top dressed 1/4 urea after 20 to 25 days after planting. If grassy and broad-leaf weeds are seen in the paddy field, spray bispyriback sodium 10% SC 0.20 lt. with 500 lt of water solution after 10-15 days of transplanting at 3.0 cm standing water.
- farmers are advised to stop irrigation and top dressing 1/4 urea at knee-high stage for maize crop due to above-normal rainfall.
- Pearl millet sowing should be done at proper moisture with composite varieties such as ICMB-155, WCC-69, ICTP-8203, and Raj-171 and hybrid varieties such as Pusa-322, Pusa-32 and ICMH-451. Weeding and thinning should be completed within 15 to 20 days after sowing.

Eastern Uttar Pradesh

- Keeping in view of rainfall during next five days, farmers are advice to do proper arrangement for drainage in all vegetables, pulse, maize and nurseries of the vegetables. Farmers are also advised not to do irrigation and any type of spray in the crops.
- In the paddy field if plants started turning yellow i.e. top leaves turned yellow and bottom leaves remained green, farmers may spray zinc sulphate @ 6.0 kg zinc sulphate dissolved in 300 litres of water/ha.

Himachal Pradesh

412.5 mm (-22% deficit) rainfall was received over Himachal Pradesh from 01 June to 18 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (16 August

- 22 August 2024 and 23 August - 29 August 2024) over Himachal Pradesh is normal for week 1 and week 2.

- Optimal depth of water should be maintained by draining off excess water. First top dressing of nitrogen should also be done at this stage. In transplanted rice apply 65 kg urea / ha (2.6 kg urea / kanal) while in direct seeded crop it could be reduced to 45 kg urea / ha (1.75 kg urea / kanal)
- Conditions are favourable for the development of stalk rot in maize. For preventing this disease excess water from the fields should be drained off. Also, the field should be drenched with bleaching powder @ 16.5 kg/ha (650 g / kanal).
- Apply a dose of nitrogen on the standing crop of the tomato, brinjal, capsicum and chilli. In low hills, transplant the healthy seedlings of early cauliflower (Palam Uphaar, Improved Japanese, Pusa Deepali and hybrid varieties Megha and Barkha).
- To control leaf spot and fruit rot diseases in tomato, brinjal, capsicum and chilli, Spray recommended insecticide for controlling of leaf-spot and fruit-rot disease and for the management of fruit borer in brinjal. Install *Heli lure* pheromone traps @ 25 traps/ha.

Jammu

279 mm (-28% deficit) rainfall was received over Jammu from 01 June to 18 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (16 August - 22 August 2024 and 23 August - 29 August 2024) over Jammu is above normal for week 1 and normal for week 2.

- Postpone irrigation due to chances of rainfall. Top dress of 2nd dose of nitrogenous fertilizer in basmati as well as other varieties of rice if crop is 25 – 30 days old. To control weeds Spray Bispyribac-sodium @ 25gm ai in 500lts of water/ha in 25-30 days old conventionally transplanted crop during clear weather. Strengthen bunds to retain rain water.
- Remove yellow leaf plants in okra as and when seen in the field. Install pheromone traps @ 4/kanal if attack of helioverpa & bhindi fruit & shoot borer is observed.
- Keep the field weed free. Start field preparation for rabi season vegetable crops so that all the nurseries get ready by 20th-25th September.
- Rainy season plantation of new orchards and gap filling can be undertaken. Keep the basin area clean. To control fruit fly in fallen fruits, harvest fruit when hard in Guava. Use pheromone traps.

Rajasthan

592.6 mm (32% excess) rainfall was received over Rajasthan from 01 June to 18 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (16 August - 22 August 2024 and 23 August - 29 August 2024) over Rajasthan is above normal for week 1 and week 2.

- Farmers are advised that the shower received from the monsoon should have to take care of excess water in millet like china, kodo, sanwa, kutaki, kangani and bajra.
- If not sown, they are advised to sow maize crop. Improved varieties of maize: - Pratap QPM-1, HQPM-1, HQPM-5, PEHM-2 and Pratap hybrid maize-1, Pratap Makka-9, Pratap hybrid Makka-3. Before sowing seed should be treated with fungicide and P.S.B. or Azatobector. Where the sowing of maize is done when using post-emergence herbicide for controlling the weed.

- For the control of shoot fly in sorghum spray cypermethrin 22.5 g a.i. per ha., sowing of crops should be completed within the week after receiving the first monsoon rainfall. Improved varieties of sorghum: - CSV-15, CSV-17, Pratap sorghum-1430, CSV-23 Fodder purpose (Multicut): - MP charri, SSG-59-3 Single cut: - Rajasthan charri-1, Rajasthan charri-2, Pratap charri-1080.

Haryana

251.3 mm (-16% deficit) rainfall was received over Haryana from 01 June to 18 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (16 August - 22 August 2024 and 23 August - 29 August 2024) over Haryana is above normal for week 1 and week 2.

- Possibility of light rain farmers are advised to withhold the in next three day intercultural/hoeing operation as per requirement of the crop for removal of weed and conserved the soil moisture.
- Possibility of variable weather farmers are advised to prepare the field for nurseries of late transplanting of rice crop with apply of compost/FYM/manure 10 to 12 cart per acre and sowing of paddy nursery
- Due variable weather and light rain in the next three days, farmers are advised to vigil before the application of irrigation as per requirement of crop.

Punjab

206.4 mm (-34% deficit) rainfall was received over Punjab from 01 June to 18 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (16 August - 22 August 2024 and 23 August - 29 August 2024) over Punjab is above normal for week 1 and week 2.

- Due to forecast of above normal rainfall during this week, it is advised to withheld irrigation in maize, sugarcane, vegetables and orchards in view of possible rainfall during the period. Remove excess rain water from fruit plants, cotton, sugarcane, maize and vegetable fields after heavy rainfall.
- Do not Keep water standing in paddy field, irrigation should be given two days after the ponded water has infiltrated into the soil but fields should not be allowed to develop cracks. Last dose of nitrogen (30 kg urea/acre) may be applied if already not given. In short duration varieties like PR 126 apply third dose of urea, 5 weeks after transplanting.

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.