



राष्ट्रीय कृषि मौसम परामर्शी सेवाएं बुलेटिन
National Agromet Advisory Services Bulletin

जारी करने की तिथि/ **Date of issue: 12 August 2024**

आधारित/**based on**

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

वैधता/**Validity: 09 August - 22 August 2024**

जारीकर्ता/**Issued by**

अखिल भारतीय समन्वित कृषि-मौसम विज्ञान अनुसंधान परियोजना

AICRP on Agro-Meteorology (AICRPAM)

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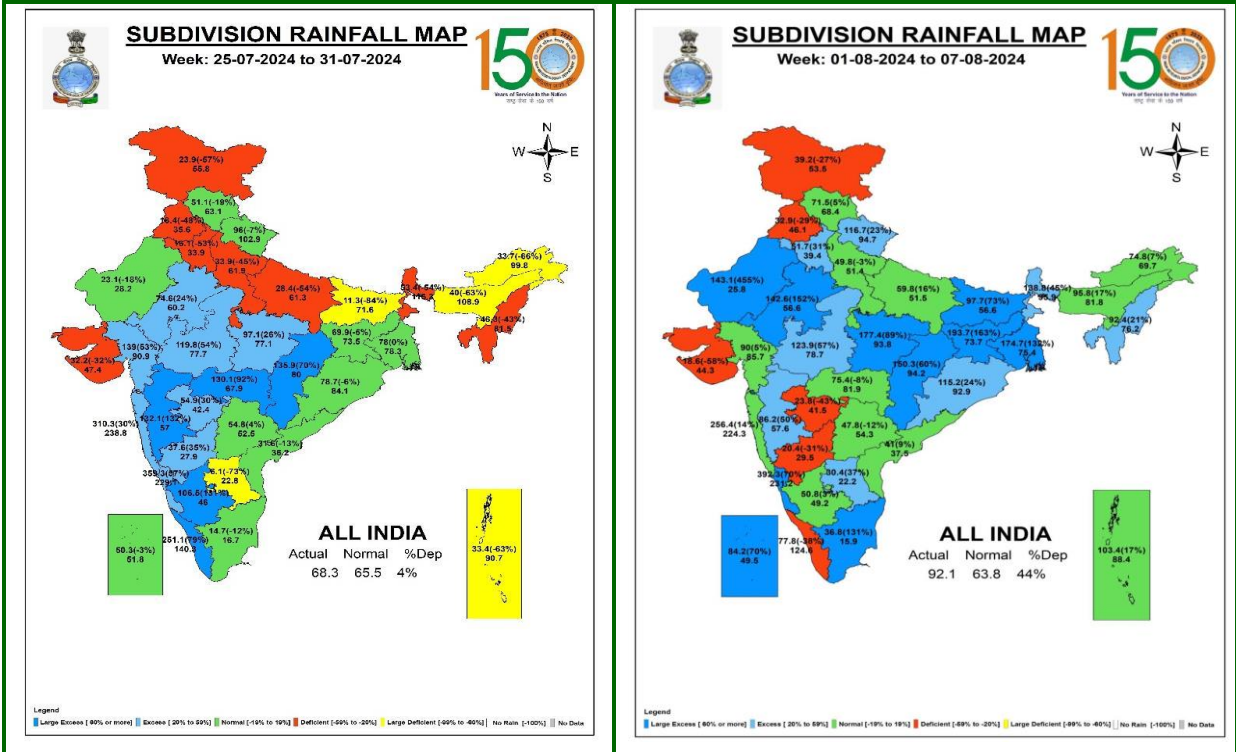
पृथ्वी प्रणाली विज्ञान संगठन

Earth System Science Organization

Realized Rainfall and Extended Range Forecast

Realized Rainfall

(25th July to 07th August, 2024)



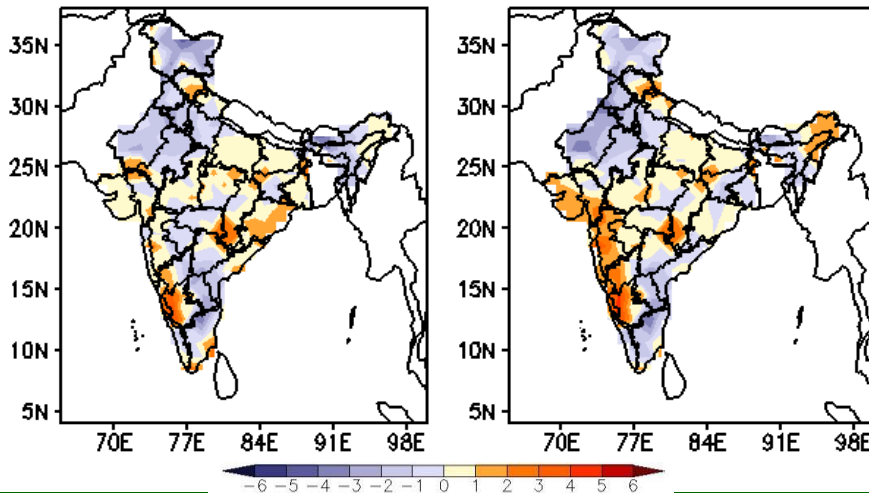
- Normal or above normal rainfall occurred in both the weeks over Himachal Pradesh, Uttarakhand, Rajasthan, Madhya Pradesh, Chhattisgarh, Odisha, Jharkhand, Gangetic West Bengal, Gujarat Region, Konkan & Goa, Madhya Maharashtra, Vidarbha, Telangana, Coastal Andhra Pradesh & Yanam, South Interior Karnataka,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

**Maximum and Minimum temperature anomaly ($^{\circ}$ C) forecast
for the next 2 weeks (IC- 07th August, 2024)
(09th to 22nd August, 2024)**

MME forecast Tmax anomaly (Deg C)

(Week1: 09Aug–15Aug)

(Week2: 16Aug–22Aug)



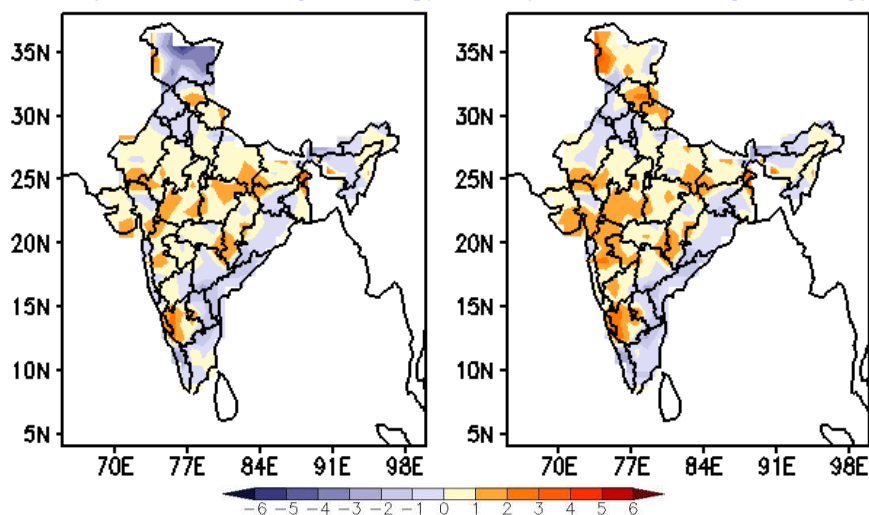
Maximum Temperature (Tmax)

- **Week 1 (09.08.2024 to 15.08.2024):** Maximum temperature is likely to be above normal over Karnataka, Odisha, South Chhattisgarh, Himachal Pradesh and some parts of Southwest Rajasthan.
- **Week 2 (16.08.2024 to 22.08.2024):** Maximum temperature is likely to be above normal above normal in Karnataka, Maharashtra, Gujarat, South Chhattisgarh, some parts of Arunachal Pradesh and Assam.

MME forecast Tmin anomaly (Deg C)

(Week1: 09Aug–15Aug)

(Week2: 16Aug–22Aug)



Minimum Temperature (Tmin)

- **Week 1 (09.08.2024 to 15.08.2024):** Minimum temperature likely to be slightly above normal over many parts of Central India, some parts of northwest India and Karnataka.
- **Week 2 (16.08.2024 to 22.08.2024):** Minimum temperature likely to be above normal over many parts of Central India, some parts of northwest India and Karnataka.

Agromet Advisories

Kerala

1341 mm (-10% deficit) rainfall was received over Kerala from 01 June to 11 August 2024. The extended range weather forecast (rainfall) for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) is below normal rainfall for week 1 and normal for week 2.

- Special crop management is required for crops during monsoon season. Proper drainage facilities have to 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 one litre of water) as a prophylactic measure.
- During the rainy season, there is a chance of downy mildew attack in cucurbitaceous vegetables. To protect, spraying 2.5 g Mancozeb per one litre of water under the leaves is advised.
- 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

264 mm (81% large excess) rainfall was received over Tamil Nadu from 01 June to 11 August 2024. The extended range weather forecast (rainfall) for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) is above normal rainfall for week 1 and week 2.

- Recently transplanted paddy main field may be provided with adequate drainage in anticipation of rainfall. Land preparation may be done for irrigated Cambodia cotton. Also undertake sowing of gourds like snake gourd, bitter gourd and other cucurbits.
- Considering the high wind speed it is advised to provide propping to the sugarcane by tying the opposite row to prevent from lodging.
- 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

560 mm (32% excess) rainfall over South Interior Karnataka; 3018 mm (30% excess) rainfall over Coastal Karnataka and 306 mm (14% excess) rainfall over North Interior Karnataka was received from 01 June to 11 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) is below normal over Coastal Karnataka and North Interior Karnataka and normal over South Interior Karnataka and for week 1 and; below normal over Coastal and above normal over North Karnataka and 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.
- 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 moisture stress in crops such as onion, pigeon pea, green gram, black gram and sugarcane crops are at the vegetative to flowering stage it is advised to remove the weak and excess seedlings in the row and take up repeated intercultural operations to conserve soil moisture.
- 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

272 mm (37% excess) rainfall was received over Rayalaseema, and 454 mm (38% excess) was received over Coastal Andhra from 01 June to 11 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) is above normal over Rayalaseema and normal over Coastal Andhra Pradesh for week 1 and; week 2.

- As the cut-off date for sowing of groundnut is 31st July and there will be a considerable reduction in yield under delayed sowings during (August month), farmers are advised to follow the contingency crops as suggested below from the first week of August. Contingent crop suitable for sowing in red soils for the Month of August: Jower, Greengram, Bajra, Cowpea, Redgram, Horsegram, Castor. Contingent crop suitable for sowing in Black soils for the month of August: Jower, Foxtail millet (*Suryanandi, Mahanandi*), Greengram (*IPM-2-14 and WGG 42*), Redgram (short duration varieties), Castor, Cotton.
- 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.

- In Southern Zone, farmers who have not sown groundnut till the end of July may undertake sowing of alternate crops like bajra, kora, red gram, castor and field bean.

Odisha

630 mm (-8% deficit) rainfall was received over Odisha from 01 June to 11 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) is normal over Odisha for week 1 and; above normal for week 2.

- Complete transplanting of rice by first fortnight of August. Keep 5 cm of water at the time of transplanting. In direct sown rice, where herbicide has not been applied, “Beushaning” may be done after accumulation of enough water (at least 7-10 cm standing water) at 25-30 days after sowing.
- Make drainage channels for removal of excess water from vegetable crops and prepare the bunds and plug the holes to conserving rain water in the field.
- 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 Pragyan* and *Swarna Sampad*. For one acre planting 150 to 200 grams of seeds are required.

Maharashtra

669 mm (41% excess) rainfall over Madhya Maharashtra, 426 mm (15% excess) Marathwada, 2815 mm (35% excess) Konkan, and 764 mm (26% excess) rainfall over Vidarbha was recorded from 01 June to 11 August 2024. The extended range weather forecast (rainfall) for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) is normal rainfall over Konkan, Madhya Maharashtra and below normal over Vidarbha and Marathwada for week 1; and normal over Konkan and Vidarbha and above normal over Madhya Maharashtra and Marathwada for week 2, respectively.

Parbhani

- Undertake intercultural operations in soybean, pearl millet, vegetables and orchards.
- Due to realized rains during the last week and cloudy weather, the incidence of whiteflies is observed in sugarcane, spray Fipronil 05 % SC @ 2 ml per 10 litres of water.
- Due to last week's cloudy weather, the incidence of sucking pests (aphids, thrips, white fly) is observed in cotton, to control spray Acetamiprid 20 % @ 2g/10-liter water or Thiamethoxam 25 WG @ 2g/10 liter water
- Due to the forecast of below-normal rainfall, it is advised to undertake intercultural operations in soybean, pearl millet, vegetables and orchard.

Vidarbha

- Due to the forecast of below-normal rainfall during this week, undertake intercultural operations in cotton, soybean, pigeon pea, sorghum, maize and vegetables.

- Apply top dressing of nitrogen fertilizer @ 40 kg N/ha to 25-30 days old maize and sorghum followed by hoeing at *whapasa* condition 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.
- Due to high humidity and continuous cloudy conditions during past a few days, initial incidence of pink boll worm observed in early sown cotton, for control erect 4 to 5 pheromone traps/ha.

Madhya Maharashtra

- Maintain 2 to 3 cm water level in rice fields during primary growth stages.
- Continue planting of *adasali* sugarcane.
- Undertake nipping in 45 days old pigeon pea.
- Due to cloudy and humid weather during past few days, if incidence of shoot fly is observed in soybean, spray Chlorantraniliprole 18.5 SC @ 3 ml per 10 litres of water during clear weather

Konkan

- Maintain optimum water level of 5 cm in rice fields.
- 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 fertilizer @ 870 g Urea/guntha to 30 to 40 days of transplanted rice when the intensity of rainfall is low.
- 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

598 mm (-2% deficit) rainfall was received over Gujarat from 01 June to 11 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) over Gujarat is above normal for week 1 and week 2.

- Due to the forecast of above-normal rainfall during this week, postpone the application of pesticide, weedicide, insecticide and fertilizer in the cotton. Arrange drainage facilities to remove excess rainwater from standing cotton fields.
- Keep 2-3 cm standing water in the paddy field during vegetative growth. Apply split dose of Nitrogen fertilizer as per recommendation, i.e. 1st dose at 20-25 days after transplanting - 40 kg N/ ha and 2nd dose at 40-45 days after transplanting – 20 kg/ha. Drain the water from the field one day before the application of fertilizer.
- For control of sucking pests in cotton, it is advised to spray *Beauveria bassiana* 40 g or Thiamethoxam 25 WG 4 g or Flonicamid 50 WG @ 3g mix in 10 liters of water and spray. Arrange pheromone traps with lure to attract male caterpillars of pink caterpillars per hectare for survey and observation.

Chhattisgarh

796 mm (14% excess) rainfall was received over Chhattisgarh from 01 June to 11 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) over Chhattisgarh is normal for week 1 and above normal for week 2.

- Cultivation of kharif paddy may be done using a suitable method; in Lehi method, prepare the field and broadcast the germinated seeds or sow them using drum seeder in lines; in SRI method, maintain the row-to-row and plant-to-plant distance of 25cm x 25cm; adjust the distance as per soil and crop variety. Biasi is advised in rice crop after the completion of 20-25 days age of rice seedlings.
- Arrange staking for creeper vegetables like gourds and other cucurbitaceous vegetables. Drainage channels in the orchards should be rectified and should be kept in well-maintained condition.

Madhya Pradesh

725 mm (15% excess) rainfall was received over Madhya Pradesh from 01 June to 11 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (09 August - 15 August 2024 and 16 August - 22 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.
- To control ectoparasites in cattle, apply Malathion or Cypermethrin @ 3ml /l of water on the body of cattle's.
- For the management of tobacco leaf-eating caterpillar and gram pod borer, install insect-specific pheromone traps and use NPV (250 LE/ha).

Assam

1149 mm (-2% deficit) rainfall received over Assam from 01 June to 11 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) over Assam is below normal for week 1 and normal for week 2.

- As one-day heavy rainfall recorded on 6th August 2024 (87.0 mm) in the district of Jorhat. Therefore, it is advised to drain out excess amount of water from the rice crop field. Avoid spraying of agrochemicals and top dressing of fertilizer in Sali rice crop field during cloudy weather condition.
- Due to rainfall in the past week, the nursery bed of Sali rice got affected due to water stagnation in the bed and the farmers who have already finished the transplanting of the Sali rice were advice to monitor of the Sali rice from the excess water and make proper arrangements for drain the excess water.
- Due to excess water and high humidity, case worm and rice hispa may attack the Sali rice. To control, it is advised to use mechanical control of pests and diseases like used of sticky card or spray Chlorpyrifos 20EC or Monocrotophos 40EC @ 1.5ml per litre of water during clear weather.

- 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.

West Bengal

570 mm (-19% deficit) rainfall was received over Gangetic West Bengal and rainfall received over Sub Himalayan West Bengal was 1558 mm (31% excess) from 01 June to 11 August 2024. The extended range weather forecast (rainfall) for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) is normal rainfall over Gangetic West Bengal and Sub-Himalayan West Bengal during week 1 and week 2.

- In the recently transplanted *aman* rice field, carry out gap filling with extra seedlings if the paddy field is found fully submerged. Immediately drain out water from betel vine garden and the recently transplanted vegetable field.
- Above-normal rainfall is forecasted during this week. Therefore, extra irrigation is not required in paddy field. Farmers are advised to transplant the kharif rice within this week. One-hand weeding can be done to check the weed proliferation.
- 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

528 mm (-14% deficit) rainfall received over Jharkhand from 01 June to 11 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) over Jharkhand is above normal for week 1 and week 2.

- In view the possibility of rain during this week. Farmer who have cultivated ginger, turmeric and elephant foot yam crops are advised to make proper drainage facilities, control the weeds after drainage and go for earthing up.
- Considering the cloudy condition in the coming days and possibility of rainfall, drain out excess water from rice nurseries, orchards, maize and jute fields. Postpone irrigation, intercultural operations, and application of plant protection measures and fertilizers to the standing crops during this week.
- Maize crop is highly sensitive to waterlogged conditions during Germinating to cobbing stage stage. Hence, drain out excess water from the field as early as possible. After cessation of rains apply booster dose of fertilizer. Weeds may be controlled after rainfall.

Bihar

461 mm (-22% deficit) rainfall received over Bihar from 01 June to 11 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) over Bihar is above normal for week 1 and normal for week 2.

- Under prevailing weather condition, it is advised to transplant 45-50 days old onion seedlings in raised seedbed at a distance of 15X10cm. Carry out weeding in late-sown onion nursery.
- Present weather is suitable for planting of new saplings of fruit plants such as mango, litchi, jackfruit, guava, blackberry, custard apple, lemon, etc.; before planting, apply 40-50 kg FYM per plant.
- Nursery sowing of chilli in raised seedbeds is advised. Improved varieties such as *Pant mirch-3*, *Krishna*, *Arka lohit*, *Pusa jwala*, *Pusa sadabahar*, *Punjab lal*, *Kashi anmol* and

Hybrid varieties such as *Agni rekha*, *Kalyanpur chaman*, *Kalyanpur chatatkar*, *BSS-267* of chilli are recommended for sowing in North Bihar. It is advised to treat the seeds with Thiram 75% dust before sowing.

Uttar Pradesh

381 mm (-5% deficit) rainfall received over Western Uttar Pradesh and rainfall received over Eastern Uttar Pradesh was 420 mm (-10% deficit) from 01 June to 11 August 2024. The extended range weather forecast (rainfall) for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) is above 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 and below normal temperature forecast during this week (09-22 August) in Central and Western Uttar Pradesh. Therefore, farmers are advised to postpone irrigation in paddy crop (transplanting/tillering stage). Gap filling of paddy is advised to complete. Weeding is also advised and top dressed 1/4 urea after 20 to 25 days after transplanting.
- Postpone irrigation work in standing maize crop in view of the possibility of rain. Make proper arrangements for drainage of excess rain water. In maize crop, second weeding-hoeing after 35- 40 days. In maize crop, first top dressing should be done 30 to 35 days after sowing and second top dressing after 40 to 45 days after sowing, top dressing of urea at the rate of 60 to 70 kg per hectare should be clear sky.
- If *khaira* disease is seen in paddy, it is advised to spray 20-25 kg Zinc sulphate and 2.5 kg lime solution in 800 litres of water.

Eastern Uttar Pradesh

- Keeping in view of rainfall during this week, farmers are advice to do proper arrangement for drainage in all vegetables, pulse, maize and nurseries of the vegetables. Farmers are also advice not to do irrigation and any type of spray in the crops. Farmers are advice to conserve rain water in the paddy fields by making broad and elevated bunds.
- It is the optimum time for sowing fodder crops, hence, farmers are advised to prepare the field well and sow improved variety of fodder seeds. This is most suitable time to grow fodder sorghum specially Pusa chari-9, 6 or other hybrids.

Himachal Pradesh

360 mm (-22% deficit) rainfall was received over Himachal Pradesh from 01 June to 11 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) over Himachal Pradesh is below normal for week 1 and normal for week 2.

- Heavy to rather heavy rainfall, landslides, cloudburst, mud flow and flood situation in different areas of the state (Date of occurrence: (03.08.2024, 05.08.2024 and 08.08.2024). The Farmers are advised not to go crop fields near the banks of rivers. Ensure proper drainage of water in maize, soybean and vegetable fields.
- Ensure proper drainage in the fields of maize (knee-high stage) as above normal rainfall expected during this week. Complete earthing up operation in maize crop. First top dressing

of nitrogen should also be done at this stage (65-85 kg urea / ha) of clear sky day. Weeding is also advised.

- Plucking of tea leaves is advised at 7-8 days interval to maintain the quality and productivity. Monitor for mites and mealybug expected in the orchards in present climate conditions, for control of mealybug spray recommended chemicals.
- Incidences of Fall Army Worm have been reported from different maize growing districts. Farmers are advised to monitor their fields for the attack of fall armyworm and use either of the following recommended insecticides for its control spray Emamectin benzoate @ 0.4 g /litre or Spinetoram @ 0.5 ml / litre or Chlorantraniliprole @ 0.4 ml / litre.

Jammu

239 mm (-31% deficit) rainfall was received over Jammu from 01 June to 11 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) over Jammu is below normal for week 1 and above normal for week 2.

- Remove water from rice field at booting stage i.e. pre-heading stage (55 DAS). Ensure that there is no water stress at the heading stage. Maintain a thin layer of water in the rice field from flowering to milk stage.
- In Cold Arid Zone, transplant the broccoli and knol khol for successive crops. Harvest okra at 5 days interval to get maximum yield. Harvest vegetable cowpea and Dolichols bean at weekly interval.
- Undertake early sowing of turnip and carrot in well prepared and pre-irrigated land. Avoid moisture stress in all vegetable crops especially at flowering stage.

Rajasthan

507 mm (28% excess) rainfall was received over Rajasthan from 01 June to 11 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) over Rajasthan is above normal for week 1 and week 2.

- Keeping in the view of above normal rainfall forecast during this week, farmers are advised to proper management of drainage in standing crops and vegetable nurseries. Before spraying insecticides and weedicides, ensure that there is no rain for 3 to 4 hours. Otherwise postpone the spray.
- Complete the sowing of maize at optimum soil moisture condition. Farmers are advised to do proper arrangement for rain water harvesting at one portion in the field which can be used for irrigation in the crops at suitable time during dry spell.
- To control of bacterial blight disease, spray of Streptocycline @ 20 g and Copper oxychloride 50 WP @ 200 g in 100 litres of water in cluster bean, twice at interval of 15 days

Haryana

206 mm (-22% deficit) rainfall was received over Haryana from 01 June to 11 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) over Haryana is above normal for week 1 and week 2.

- In view of the anticipated vigorous monsoon activity during the next 2 weeks the irrigation in the crops (cotton, sugarcane mango orchards) may be withheld, and arrangements for excess water drainage, if required in case of heavy rainfall.
- In the Eastern Zone of Haryana, complete the weeding work in the sugarcane crop and avoid any kind of spray as there is a possibility of light to moderate rain with thunder in the coming days.
- As soon as the infestation of leaf petal caterpillar is seen in rice crops, spray 50 grams of Flubendiamide mixed in 200 litres of water per acre if weather remain clear.

Punjab

171 mm (-40% deficit) rainfall was received over Punjab from 01 June to 11 August 2024. The extended range weather forecast (rainfall) provided for the next two weeks (09 August - 15 August 2024 and 16 August - 22 August 2024) over Punjab is normal for week 1 and above normal for week 2.

- Due to forecast of 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, sugarcane, maize and vegetable fields after heavy rainfall.
- Farmers are advised to complete transplanting of Basmati rice. Drain out the stagnant rainwater in case of heavy rainfall.

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