

All India Coordinated Research Project on Agrometeorology
अखिल भारतीय समन्वित कृषि-मौसम विज्ञान अनुसंधान परियोजना
(AICRPAM)

केंद्रीय बारानी कृषि अनुसंधान संस्थान

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अप्रैल 2025 के दौरान जारी मौसम की स्थिति और कृषि मौसम संबंधी सलाह

Weather conditions and Agromet advisories issued during April 2025

1. सामान्य मौसम की स्थिति

1. General Weather Conditions

01 मार्च से 30 अप्रैल 2025 के दौरान पूरे देश में 58.9 मिमी बारिश हुई है, जो इसी अवधि के लिए सामान्य वर्षा (69.2 मिमी) की तुलना में -15% कम है। 36 मौसम विज्ञान उप-विभागों में से 09, 05, 06, 11 और 05 उप-विभागों में क्रमशः बहुत अधिक, अधिक, सामान्य, कम और बहुत कम बारिश हुई, जैसा कि चित्र 1 में दर्शाया गया है।

During 01 March—30 April 2025, the country as a whole received 58.9 mm of rainfall, which is a -15% deficit compared to the normal rainfall (69.2 mm) for the same period. Out of 36 meteorological sub-divisions, rainfall was large excess, excess, normal, deficient, and large deficient in 09, 05, 06, 11, and 05 sub-division (s), respectively, as depicted in Fig. 1.

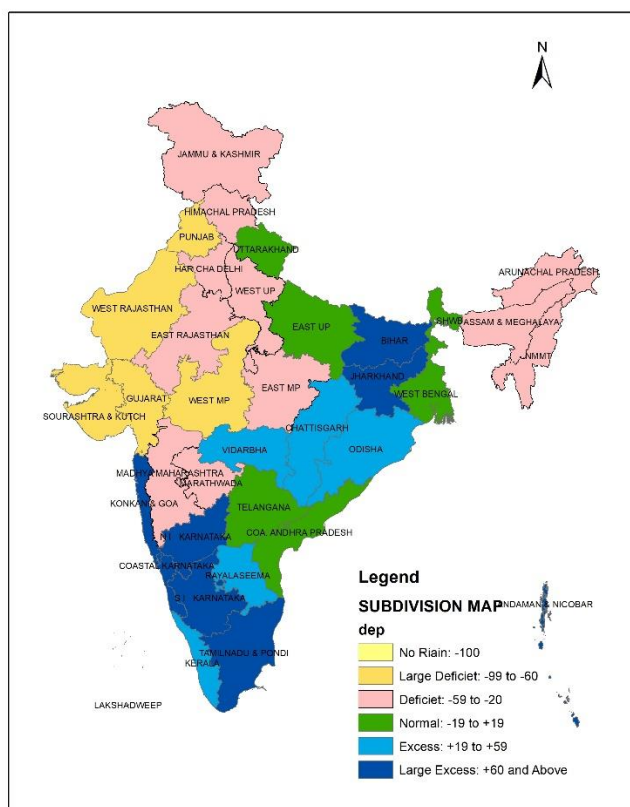


Fig. 1: Seasonal rainfall status (01 March - 30 April 2025) in 36 meteorological sub-divisions, India

1. Agromet advisories issued by AICRPAM centres during April 2025

Date of issue	Advisory issued for the region	Agromet Advisory issued
04-04-2025	Punjab	<ul style="list-style-type: none"> As per the forecast of below normal rainfall during the first week of April, transplanting of chilli and sowing of onion, summer moong and summer mash is advised. Apply need-based light irrigation to standing crops and chilli after transplanting and subsequently at 10-12-day intervals, depending on soil and weather conditions. Apply irrigation at 3-4 day intervals to peach varieties Pratap, Shan-e-Punjab and Florida Prince as the fruits are developing during this period. The fruit trees loaded with fruits such as Shan-e-Punjab and plums like Kala Amritsari and Sutlej Purple normally need fruit thinning in the early days of the month to minimise the danger of limb breakage and to improve the marketable size and quality of the fruits.
	Assam	<ul style="list-style-type: none"> As there is an extended forecast of below normal rainfall, during this week, it is advised under proper irrigation management, land preparation for Okra cultivation. For obtaining higher yield, farmers can select seeds of recommended varieties like Pusa Sawani, Arka Anamika, Parbhani Kranti, etc. or any high-yielding local variety. 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. Go for weeding in green gram and black gram crops at 20-25 days after sowing. Before the ensuing rainy season, make provision for small drains at required interval in crop field to drain out the excess water.
	West Bengal	<ul style="list-style-type: none"> Due to the forecast of below normal rainfall during the first week, extra irrigation may be given in <i>boro</i> rice wherever needed in the upcoming week. Harvested rainwater should be used for irrigation in <i>boro</i> rice, replacing groundwater use. Frequent irrigation should be given to summer vegetables, otherwise, yellowing may occur. It is the ideal time for summer moong sowing. Green gram varieties like <i>Pusa Baisakhi</i>, <i>Samrat</i>, <i>Meha</i>, <i>Sikha</i>, and <i>PM-05</i> are recommended to the farmers of this region. Life-saving irrigation may be given under severe dry conditions.
	Jharkhand	<ul style="list-style-type: none"> As per the forecast of below normal rainfall during this week, it is advised to sow sorghum in irrigated areas as fodder crops for animal feed. Recommended

		<p>cultivars are Rio 988, Pusachari-615 and Green Sona. Keep the seed rate 6-18 kg per acre for sowing. Before sowing, seeds should be treated with fungicide thiram 75% W.P. @ 1 to 1.5 g per kg of seed.</p> <ul style="list-style-type: none"> Farmers who want to cultivate bitter gourd 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 <i>Pusa Do mausami</i>, <i>Coimbatore Long Green</i>, <i>Ranchi Local</i>, <i>Arka Green</i>.
	Himachal Pradesh	<ul style="list-style-type: none"> Continue sowing of summer vegetables such as okra, cucumber, pumpkin and French beans. Continue transplanting of tomato, capsicum and brinjal. Carry out hoeing and apply light irrigation to the onion. Farmers are advised to clean the polyhouse and prepare beds for nursery sowing of seeds of cauliflower, cabbage, tomato, capsicum and cucumber.
	Chhattisgarh	<ul style="list-style-type: none"> As per the extended weather forecast of above normal rainfall during the first week of April, there is also a possibility of light cloud cover with light rainfall in the upcoming days. Therefore, farmers are advised to avoid the harvesting of wheat, chickpea, and safflower for one to two days & harvested crop should be kept in a safe place. According to the weather forecast, there is a possibility of light cloud cover with light rainfall in the upcoming days. Therefore, farmers are advised to irrigate the maize crop as per the weather forecast. Irrigation should be done after 3-4 days, looking into the above normal maximum temperature anticipated in the next week as per the extended range weather forecast.
11-04-2025	Kerala	<ul style="list-style-type: none"> As per the forecast of above normal rainfall second week of April, it is advised to provide popping to all soft, slender-stemmed crops such as banana, vegetables, climbers, etc. Clean the drainage channels in crop lowlands to enable proper drainage of excess water in case of needs, if any. Provide strong staking/propping for plants with bunches. Improve drainage facilities to prevent root rot. Harvest mature fruits and vegetables before the storm; avoid harvesting during thunderstorm warning periods.

	Tamil Nadu	<ul style="list-style-type: none"> As per the forecast of above normal rainfall during second week, it is advised to provide propping in sugarcane and provide adequate support for crops like banana, papaya, guava and moringa to prevent lodging. To prevent moisture loss in clove and cinnamon fields, it is advised to apply mulching through farm waste materials. Form basins and apply coir compost to conserve moisture in banana, pepper, clove, nutmeg, cinnamon and coconut.
	Bihar	<ul style="list-style-type: none"> As per forecast of above normal rainfall in this week, farmers are advised to take utmost care in the harvesting and threshing of wheat and mustard and keep the harvested produce in the safe place to prevent it from damage. Carry out intercultural operation in summer vegetables such as lady finger, pumpkin, cucumber, sponge gourd, bottle gourd.
	Gujarat	<ul style="list-style-type: none"> Due to forecast of no rainfall and dry and hot weather conditions during to this week, it is advised that as per soil/climatic condition and stage of sugarcane crop irrigation at 15-17 day interval or adopt drip method of irrigation and mulching of trash in between two rows of crop to save irrigation water. Earthing up should be done at 3-3.5 and 5.5-6 months after planting. Use crop cover in newly planted papaya plants and protect the papaya fruits using gunny bags under high temperature conditions. Harvest the matured fruits
18-04-2025	Madhya Maharashtra	<ul style="list-style-type: none"> Continue sowing of maize, green pea, wheat, garlic and planting of pre-seasonal sugarcane and potato. Apply irrigation to pigeon pea (flowering stage), vegetables and orchards as per requirement. As dry weather is prevailing over Rahuri district, apply need-based irrigation to vegetables, orchards, sugarcane and summer groundnut. Erect shade nets for newly planted vegetables and orchards to protect from scorching sun.
	Vidarbha	<ul style="list-style-type: none"> Under prevailing weather condition, it is advised to continue picking of cotton and harvesting of rice and matured fruits of orange. Continue sowing of irrigated <i>rabi</i> safflower, linseed, chickpea, mustard, wheat and onion nursery. As thunderstorm with lightning & gusty winds expected at isolated places, harvest matured turmeric, onion, vegetables, watermelon, muskmelon as early as possible with safe storage.

	Konkan	<ul style="list-style-type: none"> • Given the forecast of excess rainfall at isolated places during this week, it is advised to make arrangements for draining out excess water from cowpea, gram, watermelon and sweetcorn fields as these crops are very sensitive to waterlogging. • Apply need-based irrigation to vegetables, orchards (mango, cashew, arecanut), green gram and summer groundnut. • Due to the realised rainfall at isolated places during the past few days, anthracnose has been observed in mango. To control, spray Carbendazim @ 10 g per 10
	Marathwada	<ul style="list-style-type: none"> • Continue harvesting of onions and grapes. • Keep the harvested produce in safer places. • Apply need-based irrigation to groundnut, sugarcane, summer sesame, orchards and vegetables. • Erect shade nets for newly planted vegetables and orchards to protect from scorching sun.
25-04-2025	Punjab	<ul style="list-style-type: none"> • As per the forecast of below normal rainfall during this week (25 April - 01 May 2025). Farmers are advised to provide irrigation to crops in the young stage and to orchards. Provide sufficient water to animals for drinking and keep them under shade or inside the sheds, having provision of fans • Complete planting of sugarcane and evergreen fruit plants such as citrus, guava, mango, litchi, papaya, sapota, etc.
	South Interior Karnataka	<ul style="list-style-type: none"> • As per the forecast of above normal rainfall during this week. 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. Intercultural operation in summer crops is recommended. One or two protective irrigations for standing agriculture and horticulture crops. • Periodically spraying water during peak hot hours lowers the temperature and consequently reduces the heat load on animals. Proper ventilation should be maintained for the free circulation of air in the sheds
	Uttarakhand	<ul style="list-style-type: none"> • As per the forecast of below normal rainfall during this week (25 April - 01 May 2025). Farmers are advised to provide proper support to tomato plants, such as staking, at an early growth stage to prevent lodging, enhance air circulation and improve fruit yield and quality. Apply mulch around the base of the plants to help regulate soil temperature and retain moisture. • Apply thick mulch around the potato to conserve soil moisture. Provide mechanical support to the

	Odisha	<ul style="list-style-type: none"> • As per extended weather forecast of above normal rainfall during this week (25 April - 01 May 2025). Farmers are advised to make bund for conserving rain water in the paddy field. Bund should be higher and wider so that more rain water can be conserved in the field. • Farmers are advised to harvest at green gram, black gram and groundnut crop at physiological maturity stage and make their safe storage. Harvesting should be done during clear weather condition only
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