

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

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सितम्बर 2023 के दौरान जारी मौसम की स्थिति और कृषि मौसम संबंधी सलाह

Weather conditions and Agromet advisories issued during September 2023

1. सामान्य मौसम की स्थिति

1. General Weather Conditions

01 जून - 30 सितम्बर 2023 के दौरान, पूरे देश में 820.0 मिमी वर्षा हुई, जो इसी अवधि के लिए सामान्य वर्षा (868.6 मिमी) की तुलना में 6% कम है। 36 मौसम संबंधी उप-विभाजनों में से 03, 26, और 07 उप-विभाजनों में वर्षा क्रमशः अधिक, सामान्य और कम थी, जैसा कि चित्र 1 में दर्शाया गया है।

During 01 June - 30 September 2023, the country as a whole has received 820.0 mm rainfall, which is 6% deficit, compared to the normal rainfall (868.6 mm) for the same period. Out of 36 meteorological sub-divisions, rainfall was excess, normal, and deficient in 03, 26 and 07 sub-division(s), respectively as depicted in Fig. 1.

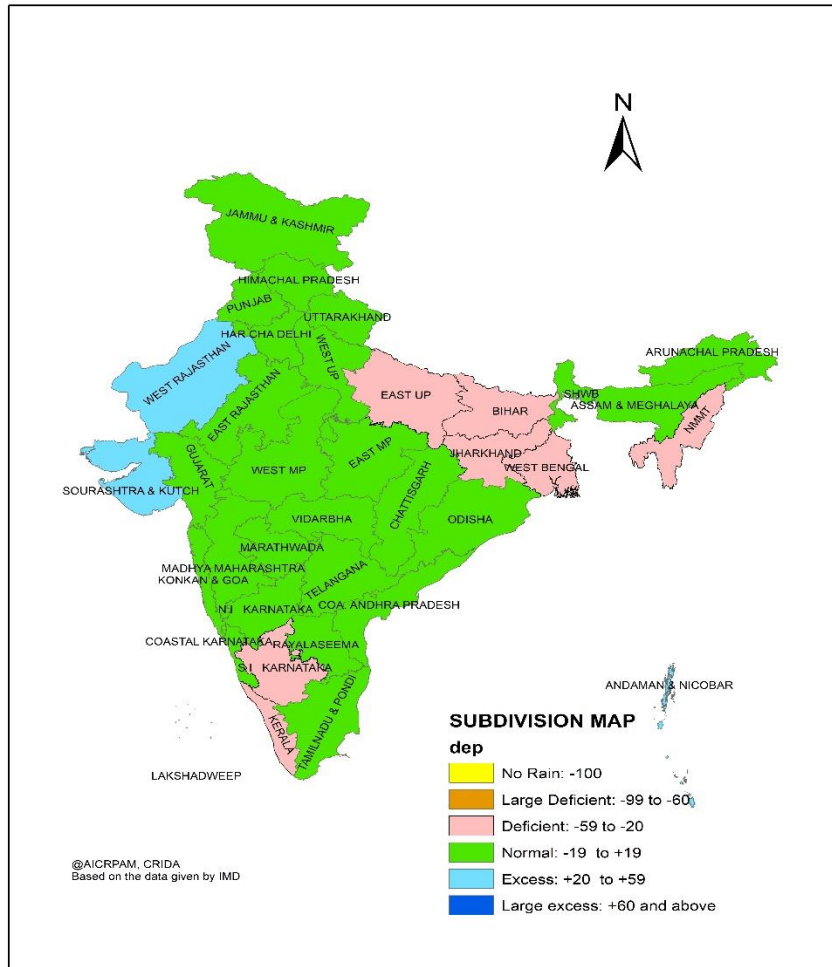


Fig. 1: Seasonal rainfall status (01 June- 30 September 2023) in 36 meteorological sub-divisions, India

1. Agromet advisories issued by AICRPAM centers during September 2023

Date of issue	Advisory issued for the region	Agromet Advisory issued
01-09-2023	Western Uttar Pradesh	<ul style="list-style-type: none"> During the last two weeks, no rainfall was recorded. As below normal rainfall is forecasted during next week, farmers are advised to provide light irrigation in <i>kharif</i> crops like sorghum (vegetative stage), maize (tasseling stage), rice (tillering stage), etc.
	Eastern Uttar Pradesh	<ul style="list-style-type: none"> Due to the forecast of below-normal rainfall during the next two weeks, farmers are advised for light irrigation in maize, which is at silk stage. As no rainfall is forecasted during next two weeks, there is a possibility of stem borer, leaf wrapper, banka and hispa insects in the paddy crop. If the number of insects increases above ETL, then spray Bifenthrin 10 EC or Quinalphos 25 EC 1 ml per litre of water.
	Uttarakhand	<ul style="list-style-type: none"> Farmers are advised to remove weeds from finger millet fields to minimize the competition with crops for water, nutrients and light and also apply urea as top dressing (1 kg per nali). Avoid fertilizers during head formation in cabbage crop at high altitude areas, as this causes excessive leaf growth and head splitting. Plants are supported with soil to avoid toppling of the plant during head formation. Drench the soil by suitable fungicide to control root rot disease.
	Assam	<ul style="list-style-type: none"> Since there is a forecast of below-normal rainfall during the next two weeks, there is a chance of infestation of rice hispa, case worm, and leaf folder in the rice crop fields. To manage, spraying of Chlorpyrifos 20% EC @1 ml per liter of water is advocated under fair weather conditions.
	Gujarat	<ul style="list-style-type: none"> Undertake farm practices like weed control, intercultural operations, mulching operations etc. for soil moisture conservation in standing crops during dry spell condition During dry spell, foliar spray of nitrogen fertilizers and micronutrients is advised to improve the endurance of crop to the drought conditions.

08-09-2023	Punjab	<ul style="list-style-type: none"> • Due to forecast of below normal rainfall during next week, farmers are advised to apply need-based irrigation and application of pesticides to the kharif crops during the period.
	Jharkhand	<ul style="list-style-type: none"> • Forecasted cloudy and humid weather favors incidence of stem borer and blast disease in rice. If the infestation happens, it is advised to spray Chlorantraniliprole 18.5% SC @ 75 ml/acre in 200 litres of water. • Rainfall after a dry spell may aggravate infestation of fall army worm in maize. To control, install 4 pheromone traps /acre and spray 5 ml of 1500 ppm neem oil /litre water.
	Odisha	<ul style="list-style-type: none"> • Due to forecast of above normal rainfall farmers are advised to wait for clear weather and remove excess water from field, before applying any fertilizer in the field. • Farmers are advised to complete all inter-culture operation in groundnut, before start of flowering, else it will damage the peg formation and there will be substantial reduction in yield.
	Madhya Maharashtra	<ul style="list-style-type: none"> • Due to prevailing cloudy, hot and humid weather, incidence of blast (sigatoka) disease may occur in banana orchard. If incidence is noticed, it is advised to spray Propiconazole 5 ml and mineral oil 100 ml per 10 litres of water during clear weather condition. Repeat two spray at an interval of 20 days.
	Dapoli	<ul style="list-style-type: none"> • Due to forecast of above normal rainfall it is advised to drain out excess water from standing crops, vegetables and orchards. • Because of possibility of rainfall it is also advised to postpone the application of fertilizers and pesticides and intercultural operations in standing crops, vegetables and orchards.
15-09-2023	Parbhani	<ul style="list-style-type: none"> • Due to rainfall and cloudy weather condition during last few days Aphids and thrips may observed in groundnut crop. For management, it is advised to spray Imidacloprid 17.8 SL @ 0.6 ml or Quinalphos 25 EC @ 1.4 ml or Lambda-Cyhalothrin 5 EC @ 0.6 ml per litres of water during clear weather condition.

15-09-2023	Vidarbha	<ul style="list-style-type: none"> • In cotton crop at flowering stage, monitor for presence of pink boll worm larvae within flowers. Collect and destroy rosette flowers/buds. Upon 5% infested flowers/buds it is advised to spray Quinalphos 25% AF @ 25 ml or Chlorpyrifos 20% EC @ 15 ml per 10 litres of water during clear weather condition.
	South Interior Karnataka	<ul style="list-style-type: none"> • Take up land preparation and strengthen the bund with fodder grass which will facilitate conservation of rainwater due to monsoon showers. Ploughing across the slope will make <i>insitu</i> soil moisture conservation. • Intercultural operation recommended conserving soil moisture and remove of weeds. • Mulching is recommended for conserve the soil moisture in standing crops.
	Anantapur	<ul style="list-style-type: none"> • Farmers are advised to take up foliar spray of KNO₃ @ 5 grams per litre of water to mitigate the adverse effect of dry spell. • Farmers are advised to form dead furrows or conservation furrows after last intercultivation in flat method of sowing to conserve the moisture.
22-09-2023	Kerala	<ul style="list-style-type: none"> • Due to the forecast of above normal rainfall, there is a chance of damage in paddy due to flooding. Ensure drainage in paddy fields and strengthen bunds. • Due to prevailing rainfall condition, farmers are advised to spray insecticide and pesticide during clear weather condition (no rainfall). • Adhesive /sticking agents is advised to use to prevent runoff of pesticide, fungicide under rainy weather condition.
	Tamil Nadu	<ul style="list-style-type: none"> • Weather prevailed is conducive for stem borer incidence in rice (tillering to panicle initiation stage). To control, it is advised to spray Chlorantraniliprole 18.5% SC @ 150 ml/ha or Azadirachtin 0.03% 1000 ml/ha or spray Cartap Hydrochloride 50% SP @ 1 gram per litre of water. • To avoid lodging in banana orchard, propping and earthing-up operation is advised.

	Anantapur	<ul style="list-style-type: none"> Considering the above normal rainfall forecast in coming days, farmers are advised to drain out excess water from the fields. Due to the possibility above normal rainfall, the farmers are advised that to go for spray of insecticide on during clear weather condition.
	Assam	<ul style="list-style-type: none"> As rainfall is forecasted in most of the districts of Assam during this week, farmers may postpone the land preparation for sowing of maize. As soon as rainfall recedes, farmers may go for final land preparation followed by sowing of seeds. The optimum sowing window is from mid-September to mid-October. Due continuous rainfall and water stagnation may lead to red rot in sugarcane crop. To avoid this, it is advised to drain out excess water, rogue affected plants and remove old and dry leaves from the cane.
29-09-2023	Madhya Pradesh	<ul style="list-style-type: none"> Farmers are advised to harvest early maturing soybean varieties after 90% pods have turned yellow. Due to forecast of above normal rainfall, farmers are advised to drain out excess water from the nursery beds. Transplant seedlings of onion, chilli and brinjal in the field, preferably on raised bed. Also, preparation of nursery for cauliflower, cabbage is advised.
	Punjab	<ul style="list-style-type: none"> As there is a no rainfall forecast during next week, farmers are advised need-based irrigation and pesticide application as the weather will remain clear and dry during the coming days. As dry weather is expected during coming days, farmers are advised to do picking of cotton.
	Jammu	<ul style="list-style-type: none"> Sowing of toria (var. <i>RSPT-1</i>, <i>RSPT-2</i>, <i>RSPR-3</i>) is recommended under conserved soil moisture without any further delay. Intercrop toria with gobi sarson (<i>GSS-1</i>). Under prevailing weather condition, it is advised to harvest black gram and early sown maize crop.
	Himachal Pradesh	<ul style="list-style-type: none"> Under prevailing weather condition, farmers are advised to make bund in major paddy growing areas of the state to ensure standing water.