

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

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

Weather conditions and Agromet advisories issued during August 2023

1. सामान्य मौसम की स्थिति

1. General Weather Conditions

01 जून - 31 अगस्त 2023 के दौरान, पूरे देश में 629.7 मिमी वर्षा हुई, जो इसी अवधि के लिए सामान्य वर्षा (700.7 मिमी) की तुलना में -10% कम है। 36 मौसम संबंधी उप-विभाजनों में से, 04, 20 और 12 उप-विभाजनों में वर्षा क्रमशः अधिक, सामान्य और कम थी, जैसा कि चित्र 1 में दर्शाया गया है।

During 01 June - 31 August 2023, the country as a whole received 629.7 mm rainfall, which is -10% deficit, compared to the normal rainfall (700.7 mm) for the same period. Out of 36 meteorological sub-divisions, rainfall was excess, normal, and deficient in 04, 20 and 12 sub-division(s), respectively as depicted in Fig. 1.

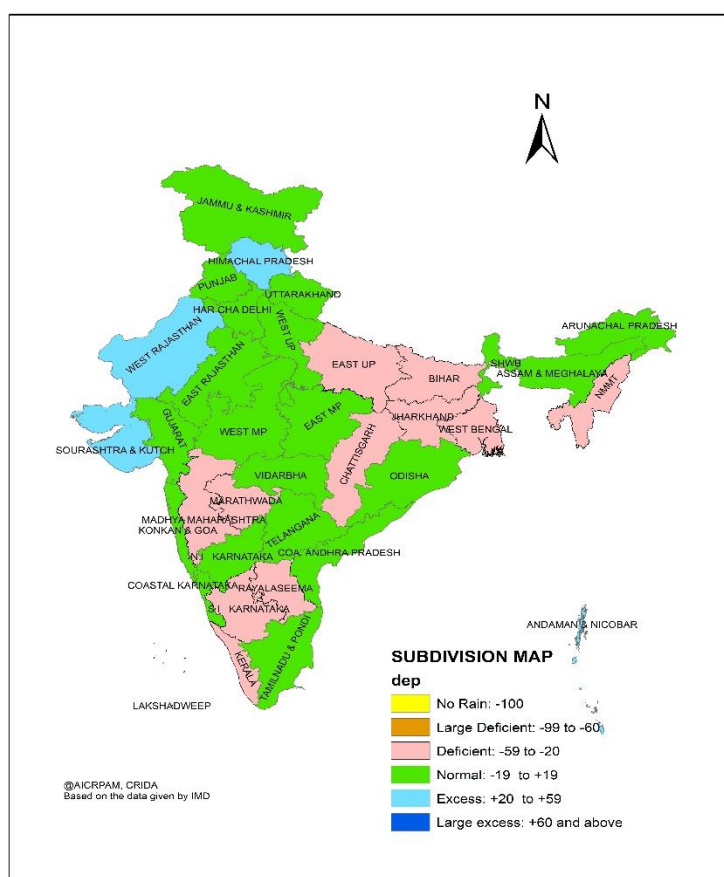


Fig. 1: Seasonal rainfall status (01 June- 31 August 2023) in 36 meteorological sub-divisions, India

1. Agromet advisories issued by AICRPAM centers during August 2023

Date of issue	Advisory issued for the region	Agromet Advisory issued
04-08-2023	Western Uttar Pradesh	<ul style="list-style-type: none"> • After rainfall, farmers are advised for weeding and hoeing in maize crop, which is at knee height stage. • Sowing of sesame is advised with recommended varieties like <i>Gujrat Til-6</i>, <i>RT-346</i>, <i>RT351</i>, <i>Tarun</i>, <i>Pragati</i> and <i>Shekhar</i> in clear sky.
	Uttarakhand	<ul style="list-style-type: none"> • Due to prevailing rainy weather condition, it is advised to maintain proper drainage in pulse crops and monitor the crops for pests and diseases. • Under prevailing weather condition, farmers are advised to continue harvesting of early maturing varieties of apples.
	Punjab	<ul style="list-style-type: none"> • Farmers are advised that after draining out excess rainwater from the rice field, apply recommended dose of nitrogen fertilizer. Keep water standing in paddy field only for 2 weeks and thereafter, apply irrigation. • In flooded areas, it is advised to drain out excess water from the fields of maize, cotton, vegetables, pulses, fodder and orchards. Farmers are also advised not to irrigate or spray the crop during the period.
	Assam	<ul style="list-style-type: none"> • During the prevailing monsoon season, in some district of Assam, large deficit rainfall was observed. Therefore, farmers are advised to provide need-based irrigation in field crops, during water stress. • Farmers who have not yet sown the seeds of long duration sali rice varieties are advised to complete sowing in the nurseries within this week. Recommended varieties like <i>Ranjit</i>, <i>Bahadur</i>, <i>Piolee</i>, <i>Kushal</i>, <i>Moniram</i>, <i>Bhgalee</i>, <i>Aghoni</i> etc.
	Jharkhand	<ul style="list-style-type: none"> • Due to forecast of below normal rainfall, farmers are advised to choose less water-requiring crops and short duration pulses and oilseeds (moong, urd, sesame). • Due to insufficient rainfall, farmers are advised to go for short duration paddy varieties such as <i>Birsa vikas dhaan – 111</i> (95 days), <i>Birsa Vikas dhaan – 109</i> (90

		days), <i>Birsa Vikas dhaan</i> – 110 (95 days), <i>Birsa dhaan</i> – 108 (80 days), <i>Sehbhagi dhaan</i> (115 days) in low and medium lands.
11-08-2023	Vidarbha	<ul style="list-style-type: none"> • August and September are the optimum time for tomato planting. Recommended tomato varieties are <i>Utkal Kumari (BT-10)</i>, <i>Utkal Deepti (BT-2)</i>, <i>Utkal Raja</i>, <i>Utkal Pragyan</i> and <i>Swarna Sampad</i>. • Farmers are advised to complete all intercultural operations in groundnut flowering, else it will damage the peg formation and there will be substantial reduction in yield.
	Marathwada	<ul style="list-style-type: none"> • If water stress is observed in cotton crop which is at growth and branching stage, irrigation is advised with the help of drip irrigation system as per the availability of water. • Due to dry spell and cloudy weather condition, sucking pest infestation may increase in cotton crop. To manage, it is advised to spray 5% NSKE or Acetamiprid 20% @ 2 g per 10 litres of water during clear weather condition.
	West Bengal	<ul style="list-style-type: none"> • Farmers are advised to complete transplanting of <i>kharif</i> rice in the monsoon dependent area. • If transplanting of rice is not possible due to insufficient/deficit rainfall in an unirrigated area, farmers are advised to go for alternate planting (short duration pulses: Mung, Kalai etc.) within the second week of August.
	Madhya Maharashtra	<ul style="list-style-type: none"> • Follow the intercropping (Pearl millet + Pigeon pea 2:1) as a crop contingency measure, if the sowing is delayed by more than two weeks compared to normal sowing window. • In areas of rainfall deficit condition and areas where the irrigation water availability is less, it is advised to flood the root zone of fruit trees (only) with water to leach out the salts and wet the entire soil depth before pruning and then cover with mulch. Thereafter irrigate as per availability of water.
	Hisar	<ul style="list-style-type: none"> • Due to possibility of dry weather condition, farmers are advised to spray pesticide and fungicide in cotton and pearl millet crop for management of insects and diseases and apply irrigation

18-08-2023	Madhya Maharashtra	<ul style="list-style-type: none"> • Due to prolonged dry spell, if soybean crop is under water stress, it is advised to irrigate the crop at sensitive stages or spray the crop with 13:00:45 (Potassium Nitrate@ 100 g/10 litre of water). • Under prevailing hot and humid weather condition, there is possibility of white fly incidence. Thus, to control it is advised to spray the crop with 5% Neem Seed Kernel Extract. Use sticky traps @ 20 to 25 per acre during rainy period.
	South Interior Karnataka	<ul style="list-style-type: none"> • Earthing up is advised in long duration crops like red gram and castor for better availability of soil moisture to the crop rows through conversion of the land into ridges and furrow system. • Due to rainfall deficit condition, lack of soil moisture is observed in <i>kharif</i> crop field. Farmers are advised to take up intercultural operation for conserving the soil moisture weeds.
	Himachal Pradesh	<ul style="list-style-type: none"> • Excess rainfall in major paddy growing regions of the state caused damage to the paddy crops in multiple locations. To mitigate this, it is advised to regulate water levels by draining excess water. For transplanted rice, it is recommended to apply the initial nitrogen topdressing using 65 kg of urea per hectare. In the case of directly seeded crops, this quantity can be decreased to 45 kg of urea per hectare.
	West Bengal	<ul style="list-style-type: none"> • Frequent irrigation is advised in early transplanted short duration rice (Milking to Dough stage) and late transplanted (panicle initiation stage) rice field.
25-08-2023	Kerala	<ul style="list-style-type: none"> • Since air temperature is increasing, it is an advised practice to bury fresh or dried coconut husk around the palm to conserve soil moisture. • Due to prevailing rainfall deficit condition and forecast of below normal rainfall, farmers are advised for mulching in pepper bed using dry leaves to preserves and maintains soil moisture levels.
	Tamil Nadu	<ul style="list-style-type: none"> • Due to increase in day temperature favours thrips in chilli crop. To control, it is advised to spray Imidacloprid 17.8 % SL @3.0 ml/10 litres.

25-08-2023	Anantapur	<ul style="list-style-type: none"> • There is no rainfall forecast during next week due to which wilting symptoms may be observed in rainfed crops. Farmers are advised to spray Potassium nitrate (13:00:45) @ 5 g or 19:19:19 or Urea @ 10 g/litre of water at weekly intervals to relieve moisture stress in rainfed crops to some extent. • Prevailing rainfall deficit condition and forecast of no rainfall during next week, farmers are advised to take up one supplemental irrigation to rainfed crops.
	North Interior Karnataka	<ul style="list-style-type: none"> • To manage sucking pests in citrus crop, spraying of 0.3 ml Imidacloprid or spray with 3 per cent biodigester is advised. • Earthing up in sugar cane crop is advised to ensure optimum plant density and higher yields.