

**All India Coordinated Research Project on Agrometeorology**  
**अ खल भारतीय समन्वित कृष-मौसम वज्ञान अनुसंधान परियोजना**  
**(AICRPAM)**

**केंद्रीय बारानी कृषि अनुसंधान संस्थान**  
ICAR-Central Research Institute for Dryland Agriculture,  
Hyderabad, Telangana – 500059

**जून 2023 के दौरान जारी मौसम की स्थिति और कृषि मौसम संबंधी सलाह**

**Weather conditions and Agromet advisories issued during June 2023**

**1. सामान्य मौसम की स्थिति**

**1. General Weather Conditions**

01 जून - 29 जून 2023 के दौरान, पूरे देश में 136.5 मिमी वर्षा हुई, जो इसी अवधि के लिए सामान्य वर्षा (157.7 मिमी) की तुलना में -13% कम है। 36 मौसम संबंधी उप-विभाजनों में से, 03, 05, 08, 17, 03 उप-विभाजनों में वर्षा क्रमशः अत्यधिक अधिक, अधिक, सामान्य, कम और बहुत कम थी, जैसा कि चित्र 1 में दर्शाया गया है।

During 01 June - 29 June 2023, the country as a whole received 136.5 mm rainfall, which is -13% deficit, compared to the normal rainfall (157.7 mm) for the same period. Out of 36 meteorological sub-divisions, rainfall was large excess, excess, normal, deficient and large deficient in 03, 05, 08, 17, 03 sub-division(s), respectively as depicted in Fig. 1.

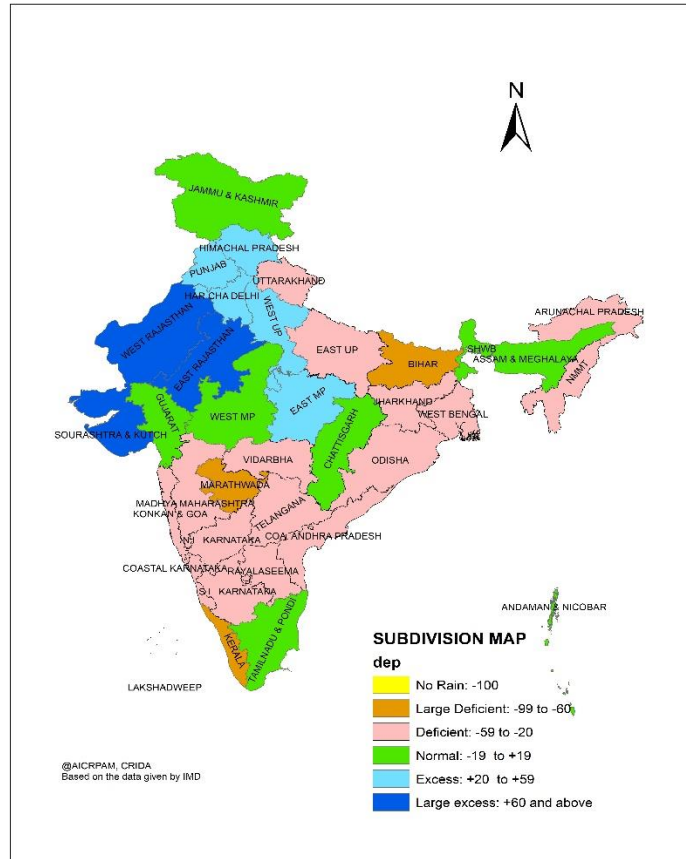


Fig. 1: Monthly rainfall status (01 June- 29 June 2023) in 36 meteorological sub-divisions, India

## 1. Agromet advisories issued by AICRPAM centers during June 2023

Date of issue	Advisory issued for the region	Agromet Advisory issued
02-06-2023	Western Uttar Pradesh	<ul style="list-style-type: none"> <li>Sowing of <i>kharif</i> maize crop is advised with recommended varieties like <i>Hybrid Dakan107</i>, <i>Malveya-2</i>, <i>JH-3459</i>, <i>Prakash</i>, <i>PSM-5</i>, <i>Pro-303</i>, <i>KH-510</i>, <i>MMH-113</i> and Composite varieties <i>Novjoti</i>, <i>Pusa-2</i>, <i>Prabhat</i> and <i>Azad uttam</i> after the onset of monsoon.</li> <li>Due to prevailing hot and dry weather condition, farmers are advised to harvest mature <i>zaid</i> urd and moong crop.</li> </ul>
	Himachal Pradesh	<ul style="list-style-type: none"> <li>The current spell of expected rains might interfere with the harvesting/threshing of wheat in upper areas of the state. The farmers are advised to must take the weather forecast into account while resuming the harvesting/threshing of matured crops.</li> </ul>
	Punjab	<ul style="list-style-type: none"> <li>Due to sufficient soil moisture, farmers may go for direct sowing of rice and and also can continue nursery sowing of early transplanted rice varieties. (var. <i>IET-1410</i>, <i>K-39</i>, <i>Ratna</i>, <i>PC-19</i>, <i>Jaya</i>).</li> </ul>
	Assam	<ul style="list-style-type: none"> <li>Cloudy weather, coupled with moderate rainfall during the past week, might lead to early shoot borer infestation in sugarcane crop. To control the pest, burning of the infested canes along with proper earthing up is advocated.</li> </ul>
	Madhya Pradesh	<ul style="list-style-type: none"> <li>Due to extreme rise in day temperature and forecast of below normal rainfall, farmers are advised to irrigate summer crops, vegetables, nurseries, fodder crops and orchards at weekly intervals during early morning or in late evening hours.</li> </ul>
09-06-2023	Punjab	<ul style="list-style-type: none"> <li>To protect the fruit crops from summer heat, it is advised to apply light irrigations at regular intervals especially to citrus, pear, litchi, mango orchards bearing fruit in this season. White wash mixture can be applied on the main trunks of the fruit trees to protect them from intense heat.</li> </ul>
	Chhattisgarh	<ul style="list-style-type: none"> <li>Inter-cultural operations, fertilizer application, and earthing followed by irrigation are advised in sugarcane at tillering stage.</li> <li>Farmers who wish to grow fruit plantation crops are advised for field preparation and digging of pits. Well decomposed Farm yard manure, and recommended dose of fertilizers should be mixed and filled 10 cm</li> </ul>

09-06-2023		above the ground level.
	<b>Konkan</b>	<ul style="list-style-type: none"> <li>• If an irrigation facility is available, then start land preparation for nursery of vegetable crops. For the nursery of brinjal, chilli and tomato crops, prepare raised bed of 3 m length x 1 m breadth x 15 cm height. Mix well-decomposed FYM @500 g per gunta in to soil at the time of bed preparation.</li> </ul>
	<b>West Bengal</b>	<ul style="list-style-type: none"> <li>• Due to prevailing heat wave and forecast of below normal rainfall during week-1 and week-2, rice nursery beds may require frequent irrigation. Hence, farmers are advised to arrange irrigation facility accordingly.</li> <li>• Jute growers are facing a lot of trouble due to non-availability of surface water. Frequent application of irrigation is advised to ensure proper growth. Otherwise, postpone the sowing and wait for the arrival of the monsoon.</li> </ul>
	<b>Jharkhand</b>	<ul style="list-style-type: none"> <li>• Under prevailing weather conditions, farmers are advised to start land preparation for timely (15 to 30 June) sowing of direct seeded upland rice.</li> <li>• Looking at the weather condition, fertilizer application, spraying of insecticides/pesticides and irrigation activities can be done when the weather remains calm.</li> </ul>
16-06-2023	<b>Kerala</b>	<ul style="list-style-type: none"> <li>• During rainy period, there is a chance of sheath blight, sheath rot, leaf spot disease in <i>virippu</i> rice. As a prophylactic measure, either soak one kg of paddy seeds or dip root of seedlings in a solution of <i>Pseudomonas</i> culture @10 g per one litre of water for 30 minutes.</li> <li>• During rainy season, there is a chance of rhizome rot in banana. To manage, ensured the proper drainage facilities. As a precaution, drench the basin with three litre of <i>Pseudomonas</i> solution (20 g per one litre of water).</li> </ul>

	<b>Gujarat</b>	<ul style="list-style-type: none"> <li>• Due to extremely severe cyclonic storm '<b>Biporjoy</b>' in Gujarat state, following impact on crops and Agromet advisories issued: <ul style="list-style-type: none"> <li>✓ Provide mechanical support to horticultural and vegetable crops during forecast of high wind velocity.</li> <li>✓ Don't leave the harvested crop produce in open field, keep it at safer places and cover the harvested produce (if in the field) with polythene sheet/Tarpaulins.</li> <li>✓ Avoid/postpone spraying of any kind of agrochemicals in standing/sown crops in high and.</li> <li>✓ Excess water from orchards should be drained out by creating channels as soon as possible.</li> </ul> </li> </ul>
	<b>Tamil Nadu</b>	<ul style="list-style-type: none"> <li>• Since light rainfall and heavy wind speed is forecasted for week-1 and week-2, farmers are advised to do propping in sugarcane to protect the crop.</li> </ul>
	<b>Madhya Maharashtra</b>	<ul style="list-style-type: none"> <li>• Sowing of soybean be started only after the receipt of 100 mm rainfall to avoid the risk of double sowing.</li> </ul>
<b>23-06-2023</b>	<b>Assam</b>	<ul style="list-style-type: none"> <li>• Because of heavy rainfall during last week over the state, low lying lands are flooded with rainwater, rivers are flowing above danger level. Farmers are requested to download "<b>MAUSAM</b>" app for weather forecast, "<b>MEGHDOOT</b>" app for crop-based advisories and "<b>DAMINI</b>" app for lightning alert, intending to help save lives of human as well as livestock.</li> <li>• It is also advised to drain out the excess rain water from the kharif maize fields at silk stage, by creating surface drainage channel of 25 cm width.</li> <li>• Considering the amount of rainfall received during the past week and forecast of light to moderate rainfall during next two weeks, farmers are advised to avoid waterlogging in jute fields and remove excess water from field immediately by creating field ditches of 20 cm wide and 20 cm depth, along the gradient, at an interval of 10 m.</li> </ul>
	<b>Odisha</b>	<ul style="list-style-type: none"> <li>• Farmers are advised to go for sowing of paddy in sufficient soil moisture (if the rainfall more than 75 mm for preceding week).</li> </ul>

23-06-2023	Bihar	<ul style="list-style-type: none"> <li>• Bihar has been experiencing an extended period of heat wave since May 30, with following significant consequences. <ul style="list-style-type: none"> <li>✓ Surface water bodies dried up.</li> <li>✓ Crops in the field are wilting. Most affected crops are maize and vegetables.</li> <li>✓ Litchi and mango were affected.</li> <li>✓ Farmers are facing problems in nursery sowing of paddy and initial transplanting of long duration varieties are seriously affected.</li> </ul> </li> <li>• Therefore, farmers are advised to transplant in low land areas provide irrigations. And, also provide life-saving irrigation to standing crops such as, maize, vegetables and paddy nurseries.</li> </ul>
	Uttarakhand	<ul style="list-style-type: none"> <li>• Farmers are advised to provide mechanical support to young fruit plants and vegetables to prevent the crops from lodging due to strong winds.</li> <li>• Due to chances of light to moderate rainfall, farmers are advised to clean the drainage channels in crop fields; hoeing/weeding is also advised in standing crops.</li> </ul>
	Western Uttar Pradesh	<ul style="list-style-type: none"> <li>• Due to rainfall in past week and forecast of above normal rainfall during next week, farmers are advised to drain out excess rain water from paddy nursery and advised for sowing of short duration rice varieties like <i>118, N-80, N-1, N-2, N-97, Pant dhan-12, Barani deep, IR-50, Ratna, HUR-3022</i> and scented rice like <i>T-3, Pusa basmati-1, Pusa sungandh-4 &amp; 5, and Malviya sugandh-4-3 and Malviya basmati 10-9</i> etc.</li> <li>• Due to heavy rainfall received on 22 June, 2023 farmers are advised to keep harvested crops (<i>zaid</i> maize, urd and moong) in safer places and threshed grain should be dry in air.</li> <li>• Under prevailing rainy weather condition, farmers are advised skip irrigation and intercultural operations in sugarcane crop which is at vegetative stage.</li> </ul>
30-06-2023	Jammu	<ul style="list-style-type: none"> <li>• Farmers are advised to strengthen the paddy bunds field for in situ storage of rain water and utilize the same for puddling. Farmer may go for transplanting of rice seedling (2-3 healthy seedlings per hill).</li> </ul>
	Marathwada	<ul style="list-style-type: none"> <li>• Due to increase in maximum temperature and forecast of below normal rainfall during next week, irrigation is advised in summer groundnut during early in the morning or at evening hours with the help of a micro irrigation (Drip or Sprinkler) system.</li> </ul>

		<ul style="list-style-type: none"> <li>• If fruit drop is observed in a mango orchard, it is advised take a spray of 2 % 13:00:45 + NAA 15 ppm.</li> </ul>
	<b>Himachal Pradesh</b>	<ul style="list-style-type: none"> <li>• Due to forecast of below normal rainfall, it is advised to harvest/pick vegetables at morning and evening hours and after harvesting of crops keep them in shade.</li> </ul>
	<b>Vidarbha</b>	<ul style="list-style-type: none"> <li>• For sowing kharif cotton, recommended desi varieties are <i>AKA-5, AKA-7 and AKA-8</i> with seed rate of 12 to 15 kg/ha. American improved varieties are <i>AKH-081</i> with seed rate 15 to 20 kg/ha, <i>AKH-09-5 (Suvarna/ Shubhra)</i>, <i>PKV Rajat</i> and <i>AKH 8828</i> with seed rate 10 to 12 kg/ha. Cotton desi hybrids <i>PKVDH-1</i>, and <i>PKV-Suvarna</i> are recommended.</li> </ul>