

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

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

**जून 2024 के दौरान जारी मौसम की स्थिति और कृषि मौसम संबंधी सलाह**

**Weather conditions and Agromet advisories issued during June 2024**

**1. सामान्य मौसम की स्थिति**

**1. General Weather Conditions**

01 जून - 30 जून 2024 के दौरान, पूरे देश में 147 मिमी वर्षा हुई है, जो इसी अवधि के लिए सामान्य वर्षा (165 मिमी) की तुलना में -11% कम है। 36 मौसम संबंधी उप-प्रभागों में से 02, 04, 14, 14 और 02 उप-प्रभागों में वर्षा क्रमशः बहुत अधिक, अधिक, सामान्य कम और बहुत कम थी, जैसा कि चित्र 1 में दर्शाया गया है।

During 01 June - 30 June 2024, the country as a whole has received 147 mm of rainfall, which is -11% deficit, compared to the normal rainfall (165 mm) for the same period. Out of 36 meteorological sub-divisions, rainfall was large excess, excess, normal, deficient and large deficient in 02, 04, 14, 14 and 02 sub-division(s), respectively as depicted in Fig. 1.

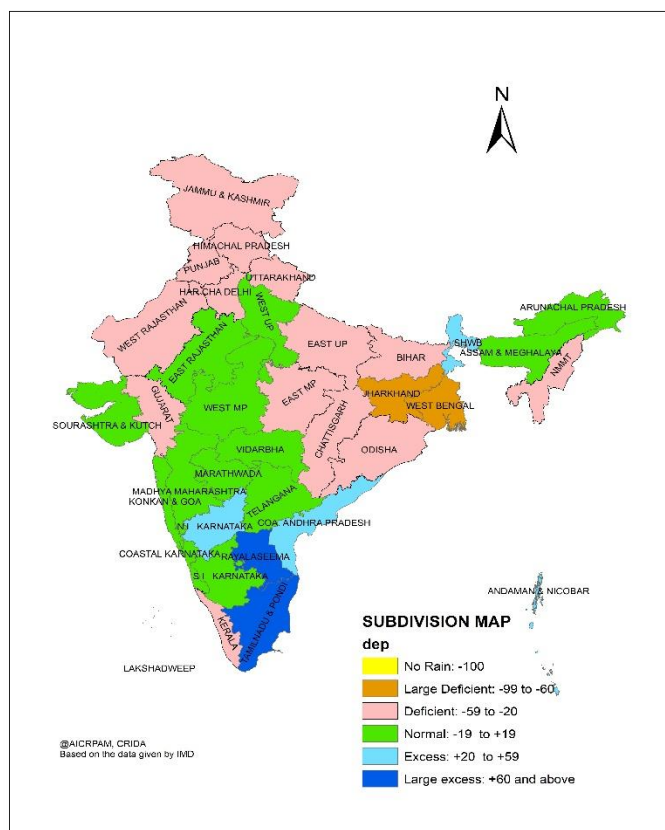


Fig. 1: Monthly rainfall status (01 June - 30 June 2024) in 36 meteorological sub-divisions, India

## 1. Agromet advisories issued by AICRPAM centers during June 2024

Date of issue	Advisory issued for the region	Agromet Advisory issued
07-06-2024	Western Uttar Pradesh	<ul style="list-style-type: none"> <li>Due to hot and dry weather appearing and the forecast of below-normal rainfall during this week, farmers are advised to sowing of maize crops if irrigation facilities are available with recommended maize varieties such as <i>Hybrid Dakan-107, DKC-7074, Malveya-2, JH-3459, Prakash, PSM-5, Pro-303, KH-510, MMH-113</i> and Composite varieties <i>Novjoti, Pusa-2, Prabhat and Azad uttam</i>.</li> <li>Due to hot and dry weather during this week farmers are advised to harvest mature green/black gram crops as soon as possible and keep it in a safe place.</li> </ul>
	Odisha	<ul style="list-style-type: none"> <li>For planting of fruit crops in July and August go for digging of pits before onset of monsoon to effect solarization of soils removed from the pits for killing the hibernated insects and their eggs.</li> <li>Farmers are advised to incorporate well-decomposed Farm Yard Manure or cow-dung @ 8 quintals /acre during the final land preparation in direct-seeded rice and initial land preparation is advised for dry nursery for <i>kharif</i> rice.</li> </ul>
	West Bengal	<ul style="list-style-type: none"> <li>The onset of the monsoon is delayed in West Bengal. Therefore, delayed sowing or transplanting of <i>kharif</i> rice is suggested. However, farmers are advised to prepare seed beds and wait for a good spell of rainfall for sowing. In this year cultivation of short-duration rice varieties like <i>Khanika (IET-12055)</i> is advised.</li> <li>Drainage channels in the Jute field are advised to clear well in advance to avoid water logging conditions. Farmers are advised to insure their jute crop to prevent any losses.</li> </ul>
	Jammu	<ul style="list-style-type: none"> <li>Nursery raising of Basmati 370 and Ranbir Basmati is recommended. Give irrigation to nursery daily as per requirement due to high temperature and hence evaporation rate. Irrigation is recommended during evening hours. Cover the nursery with grass/straw to prevent moisture loss.</li> <li>Start land preparation after receipt of rain to conserve in</li> </ul>

		situ moisture for early sown maize crop. Apply 15 tonnes of well-rotten FYM and incorporate thoroughly into the soil with first ploughing to reduce 25% of N, P and K from the recommended dose.
	<b>Himachal Pradesh</b>	<ul style="list-style-type: none"> <li>• Due to present dry weather (heat wave) conditions and forecast of below normal rainfall, farmers are advised to apply irrigation and mulching (straw) in fruit orchards like kiwi, apple orchards and vegetable crops like okra, French beans, cucurbits etc. to conserve soil moisture.</li> <li>• Keep the honey bees colonies in shady places and sprinkle water to reduce the heat as temperature rises high in the region. Insert the brood chamber without a frame to ensure aeration.</li> <li>• Deep ploughing is advised after rabi crop harvest to conserve more water in the field. Clean waterways for efficient watering. Use mulches in the vegetable nursery and crops if available good for soil moisture conservation and soil temperature.</li> <li>• Sowing of fodder maize along with soybean or cowpea is advised in the irrigated areas to get green fodder. The sowing of maize crop is advised to be delayed in rainfed areas.</li> </ul>
	<b>Gujarat</b>	<ul style="list-style-type: none"> <li>• Dugout/clean drainage around sugarcane field before monsoon. Earthing is also advised. As per soil/climatic condition and stage of crop, irrigate the crop and mulching of trash in between two rows of the crop to save irrigation water.</li> <li>• Propping is advised in banana orchards with the help of bamboo by placing them against the stems on the leaning side at the bunch development stage.</li> </ul>
<b>14-06-2024</b>	<b>Kerala</b>	<ul style="list-style-type: none"> <li>• During the rainy season, there is a chance of downy mildew attack in cucurbitaceous vegetables. To control, it is advised to spray Mancozeb @ 2.5 g per litre of water under the leaves. Do not apply pesticides during rainy periods.</li> <li>• Land preparation and nursery for <i>virippu</i> paddy (rainfed) can be started after summer rains. Seeds should be soaked in 10 grams of <i>Pseudomonas</i> solution in one litre of water for one kg of seeds for 30 minutes.</li> </ul>

	<b>Andhra Pradesh</b>	<ul style="list-style-type: none"> <li>Farmers are advised to take up sowing of rainfed groundnut only after receipt of cumulative rainfall of 50 mm after the onset of SW monsoon. They are advised to avoid too early sowing immediately after the first rains in June and late sowing after 1st week of August to avoid the risk of yield reduction.</li> <li>North Coastal Zone of Andhra Pradesh, based on the suitability of their area, farmers are advised to select and procure the seed of high-yielding rice varieties like <i>RGL-2537</i>, <i>BPT-5204</i>, <i>BPT-3291</i>, <i>MTU-1262</i>, <i>MTU-1318</i>, <i>1061</i>, <i>MTU-1224</i> and <i>MTU-1064</i>.</li> <li>Farmers are advised to take up pruning in mango orchards at the resting stage and suggested to apply recommended fertilizers.</li> </ul>
	<b>Chhattisgarh</b>	<ul style="list-style-type: none"> <li>Heat stress prevailing in the state, maximum and minimum temperatures are about +1 to +2 degrees centigrade above normal values. Therefore, farmers are advised to adopt water conservation agronomic techniques.</li> <li>To control borer in okra and brinjal, it is advised to use pheromone traps @ 10 Nos/ acre and destroy the upper portion of affected plants.</li> <li>Under prevailing weather conditions, farmers are advised to prepare the field for the nursery cultivation of rainy season vegetable crops like okra, brinjal, chilli, cucumber, bottle gourd, radish, cauliflower etc. and arrange the seeds.</li> </ul>
<b>21-06-2024</b>	<b>Bihar</b>	<ul style="list-style-type: none"> <li>Weather conditions have now become favorable for sowing of direct seeded early and medium duration rice varieties. Farmers can go for direct seeding of rice in the fields where waters are stagnating. In the almost dry lands, they can use a seed drill machine or direct seeding method for sowing rice.</li> <li>Due to the forecast of normal rainfall during this week, farmers are advised not to spray pesticides/insecticides on the crop and spray only when the weather is dry.</li> </ul>

21-06-2024	Assam	<ul style="list-style-type: none"> <li>• To avoid physical damage in orchard trees due to gusty wind during this rainy season; mechanical support to crops like banana, citrus, papaya etc. may be advocated.</li> <li>• Since there are possibilities of getting rainfall this week and next week, sowing of pre-germinated seeds of Sali rice may be done in upland areas free from water stagnation and having sufficient slope for draining out the excess rainwater.</li> </ul>
	North Interior Karnataka	<ul style="list-style-type: none"> <li>• As already light heavy rainfall was received in most of the districts and light to moderate rainfall was forecasted during this week, as soon as the condition permits depending on the soil type take up kharif sowing of recommended maize varieties <i>EH-434042 (Arjun)</i> or <i>GH-0727 (Srusti)</i>, <i>Bajra: ICMV-221 or ICTP-8203</i>.</li> <li>• The irrigation schedule may be postponed depending on the rainfall conditions to horticultural crops.</li> <li>• To manage fungal diseases, take up spraying of 1 per cent Bordeaux mixture 2-3 days after pruning.</li> </ul>
	South Interior Karnataka	<p><b>Due to the good amount of rainfall, the following crops are suggested for sowing.</b></p> <ul style="list-style-type: none"> <li>• Under mono-cropping the long-duration crops: <ul style="list-style-type: none"> <li>• Redgram: <i>TTB-7, BRG-1,2,4 &amp; 5</i></li> <li>• Castor: <i>DCS-9 (Jyothi), DCH-177 &amp; 32</i></li> <li>• Maize: <i>Ganga-11, Deccan -103, Vijaya composite, Composite NAC- 6004,6002, Hybrid-Nityashree (NAH-2049)</i></li> </ul> </li> <li>• Under double cropping the medium to short duration crops: <ul style="list-style-type: none"> <li>• Groundnut: <i>TMV-2, JL-24, KCG-6</i></li> <li>• Cowpea: <i>TVX-944, KBC-1</i>, Green gram: <i>PS-16, PDM-84,178</i></li> </ul> </li> </ul>

28-06-2024	Marathwada	<ul style="list-style-type: none"> <li>Sowing of <i>kharif</i> sorghum is advised only after receipt of sufficient amount of rainfall (75-100 mm). Sowing of <i>kharif</i> sorghum can be done up to 07<sup>th</sup> July.</li> <li>Under prevailing weather conditions, farmers are advised to undertake sowing of vegetables like okra, bitter gourd, ridge gourd, pumpkin etc. and transplanting of 45 days old seedlings of brinjal, tomato and chilli etc. during clear weather.</li> <li>If nutrient deficiency is observed in Mrig bahar citrus it is advised to spray of Chelated Zinc @ 50 g + 13:00:45 @ 150 g per 10 litres of water.</li> </ul>
	Vidarbha	<ul style="list-style-type: none"> <li>Undertake sowing of <i>kharif</i> crops like soybean, cotton, pigeon pea, black gram, green gram, sorghum etc. at <i>wapsa</i> condition where sufficient rainfall has been received.</li> <li>Continue nursery sowing of vegetables like chilli, tomato and brinjal.</li> <li>For cultivation of <i>kharif</i> cotton recommended deshi varieties include AKA-5, AKA-7 and AKA-8 with seed rate of 12 to 15 kg /ha and spacing of 60 x 15 cm. American improved varieties include AKH-081 (60 x 15 cm with seed rate 15 to 20 kg/ha), AKH-09-5 (Suvarna Shubhra), PKV Rajat and AKH 8828 (60 x 30 cm with seed rate 10 to 12 kg/ha). Cotton deshi hybrid PKVDH-1, PKV-Suvarna is recommended with seed rate @ 3.0 to 3.5 kg/ha and spaced at 60 x 45 cm</li> </ul>
	Madhya Maharashtra	<ul style="list-style-type: none"> <li>Under prevailing weather condition, it is advised to continue sowing of <i>kharif</i> crops like pigeon pea, black gram, green gram and soybean at <i>wapsa</i> condition.</li> <li>Field preparation is advised for raising nursery plants of onion, brinjal, chilli, and tomato on raised beds. After sowing seeds, it is advised to provide light irrigation with a rose can and later by flooding.</li> </ul>
	Konkan	<ul style="list-style-type: none"> <li>Due to rainy weather condition and forecast of above normal rainfall during this week, in Konkan region it is advised to sow the <i>kharif</i> paddy. Recommended seed rate for rice is 5 to 6 kg per 10 guntha for bold varieties, 3.5 to 4 kg per 10 guntha for fine varieties and 2 kg per 10 guntha for hybrid varieties. Use seed rate of 3 to 3.5 kg per 10 guntha for fine varieties and 4 kg per 10 guntha for bold varieties for sowing by Rahu method.</li> <li>Due to rainy weather condition and forecast of above normal rainfall, it is advised to drain out excess water from rice nurseries, turmeric, groundnut, orchards and</li> </ul>

		vegetables and provide mechanical support to newly planted mango, cashew, coconut and arecanut.
	<b>Eastern Uttar Pradesh</b>	<ul style="list-style-type: none"> <li>• Keeping above normal rainfall forecast during this week in view, farmers are advised to stop irrigation in standing nurseries and vegetable crops and also advised for proper drainage.</li> <li>• Farmers are advised to prepare land for maize crop. Recommended hybrids like <i>AH-421</i>, <i>AH-58</i> or Composites: <i>Pusa composite-3</i>, <i>Pusa composite-4</i>. Procure good quality seeds from certified sources.</li> </ul>
	<b>Uttarakhand</b>	<ul style="list-style-type: none"> <li>• Farmers are advised to continue the sowing of kharif crops i.e. finger millets, maize, soybean and other pulse crops. Harvest mature vegetables at regular intervals. i.e. tomato, capsicum, cucumber, beans, okra etc. Undertake transplanting of pumpkin and chilli.</li> <li>• Under prevailing weather condition, farmers are advised to continue the transplanting of rice. Strengthen the bund with planting fodder grass which facilitates conservation of rainwater.</li> <li>• Hoeing, weeding and gap filling is advised in finger millet (sowing/seedling stage) and barnyard millet (Seedling/vegetative). Maintain proper drainage in crop fields. Thinning and Gap filling should be done in early sown crops to maintain plant population.</li> </ul>
	<b>Punjab</b>	<ul style="list-style-type: none"> <li>• Fruit drop may increase with further rise in temperature. Continuously keep the soil moist in orchards. In citrus, pear, litchi and mango apply light irrigations at regular intervals. White wash mixture can be applied on the main trunks of the fruit trees to protect them from intense heat.</li> <li>• As temperature is higher than normal and forecast of below normal rainfall, it is advised to irrigate the sugarcane crop (vegetative stage) at 7-12 days interval for better growth of the crop.</li> <li>• To control the attack of pink bollworm, use Sticka/Delta traps with at least 10 micro litre of gossyplure and place it at 15 cm above crop canopy.</li> <li>• For the management of root-knot nematode in rice which is at seedling stage, it is advised to apply mustard cake @40 g per square metre 10 days before sowing of nursery with last preparatory tillage operation after rauni.</li> </ul>




--	--	--