

**अखिल भारतीय समन्वित कृषि-मौसम विज्ञान अनुसंधान परियोजना**  
**All India Coordinated Research Project on Agrometeorology (AICRPAM)**  
**केंद्रीय बारानी कृषि अनुसंधान संस्थान**  
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**मई 2023 के दौरान जारी मौसम की स्थिति और कृषि मौसम संबंधी सलाह**

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

**1. सामान्य मौसम की स्थिति**

**1. General Weather Conditions**

01 मार्च - 31 मई 2023 के दौरान, पूरे देश में 146.6 मिमी वर्षा हुई, जो समान अवधि के लिए सामान्य वर्षा (130.6 मिमी) की तुलना में 12% अधिक है। 36 मौसम संबंधी उप-प्रभागों में से, वर्षा क्रमशः 17, 04, 07, 06, 02 उप-खण्डों में अत्यधिक अधिक, अधिक, सामान्य, कम और अत्यधिक कम थी, जैसा कि चित्र 1 में दर्शाया गया है।

During 01 March - 31 May 2023, the country as a whole received 146.6 mm rainfall, which is 12% excess, compared to the normal rainfall (130.6 mm) for the same period. Out of 36 meteorological sub-divisions, rainfall was large excess, excess, normal, deficient and large deficient in 17, 04, 07, 06, 02 sub-division(s), respectively as depicted in Fig. 1.

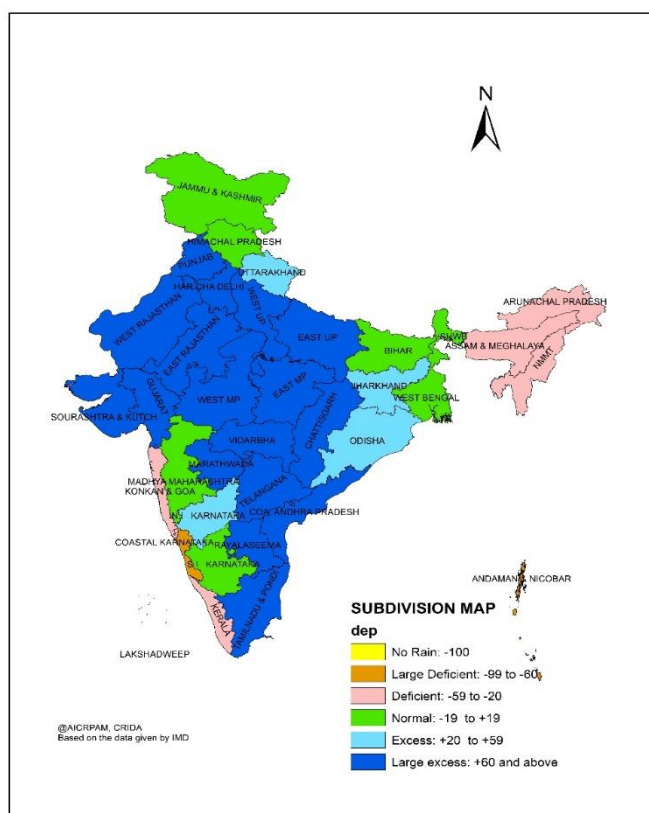


Fig. 1: Seasonal rainfall status (01 March - 31 May 2023) in 36 meteorological sub-divisions, India

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

Date of issue	Advisory issued for the region	Agromet Advisory issued
05-05-2023	Western Uttar Pradesh	<ul style="list-style-type: none"> <li>As light to moderate rainfall is forecasted during week-1, farmers are advised to sundry the harvested wheat crop and undertake the threshing as early as possible; store to the produce in a safe place</li> <li>Due to the rainfall received during last week, farmers are advised to withhold irrigation in <i>zaid</i> urd and moong crops (vegetative stage). Drain out excess water and weeding is also advised. Removed weeds can be used as a mulch</li> </ul>
	Punjab	<ul style="list-style-type: none"> <li>Farmers are advised to prepare field for <i>kharif</i> season and to save water and for ease in management of paddy straw, prefer PAU recommended short duration rice varieties such as <i>PR-126</i>, <i>PR-127</i>, <i>PR-130</i> and <i>HKR-47</i></li> <li>Due to rise in temperature, fruit drop is increasing. Farmers are advised to continuously keep the soil moist in peach and plum orchards. In citrus, pear, litchi and mango orchards, apply light and frequent irrigations</li> </ul>
	Odisha	<ul style="list-style-type: none"> <li>To avoid the damage due to thunderstorm and rain in cucurbits, it is advised to pluck all the harvestable fruit from the vine and strengthen the vine by staking to avoid the physical damage.</li> <li>Prolonged dry spell followed by rain may increase the infestation of fall army worm in maize. Spray Chlorantraniliprole 18.5 % SC@ 4 ml/ 10litre of water or Emamectin Benzoate 5 % SG @ 4g/10 litre of water.</li> </ul>
	Himachal Pradesh	<ul style="list-style-type: none"> <li>Due to snowfall in high hills and unseasonal rainfall with hail all over the state, farmers are advised to harvest wheat crop only when the weather becomes clear.</li> <li>Farmers are advised to pluck the tea leaves (two leaf and a bud) at 8-10 days interval to maintain the quality and productivity.</li> </ul>
	Haryana	<ul style="list-style-type: none"> <li>Due to possibility of rainfall during next two weeks, farmers are advised to harvest and thresh the matured wheat and barley crops</li> <li>Farmers are advised to prepare the field and procure the recommended desi cotton crop with certified seeds of <i>HD 123</i>, <i>HD 324</i> and <i>HD 432</i></li> </ul>

<b>12-05-2023</b>	<b>Uttarakhand</b>	<ul style="list-style-type: none"> <li>• Due to the forecast of below normal rainfall and increase in temperature during week-1, it is advised to harvest the mature <i>rabi</i> crops, dry thoroughly, thresh and store it</li> </ul>
	<b>Chhattisgarh</b>	<ul style="list-style-type: none"> <li>• Due to increase in temperature and forecast of no rainfall during next week, it is advised to irrigate as per the need during flowering and pod formation stage in summer sesamum</li> </ul>
	<b>Madhya Pradesh</b>	<ul style="list-style-type: none"> <li>• Irrigation is advised in autumn sown sugarcane (knee height stage) at weekly intervals and also tie the canes together to prevent from lodging due to gusty winds</li> <li>• As the day temperature is increasing, it is advised to irrigate the fruit trees viz., pomegranate, sapota and lemon at fruit formation stage at 4-5 days intervals to avoid fruit cracking</li> </ul>
	<b>Tamil Nadu</b>	<ul style="list-style-type: none"> <li>• As heavy rainfall occurred during last week, it is advised to provide adequate drainage to the paddy</li> </ul>
	<b>Kerala</b>	<ul style="list-style-type: none"> <li>• During the beginning of southwest monsoon season, one-kilogram lime is advised to apply per one matured palm by opening the coconut basin</li> </ul>
<b>19-05-2023</b>	<b>Jammu</b>	<ul style="list-style-type: none"> <li>• Due to the chance of light rainfall during next week, farmers may go for nursery sowing of early transplanted rice varieties. Incorporate the FYM @ 10-15 tons/ha in the field, where rice is to be transplanted</li> <li>• Farmers are advised to white wash the fruit tree (guava /mango/citrus) trunks with slaked lime and copper sulphate against sunburn and fungal diseases</li> </ul>
	<b>Vidarbha</b>	<ul style="list-style-type: none"> <li>• Farmers are advised to harvest the matured early sown summer groundnut crop. In late sown groundnut crop which is at pod development stage, it is advised to maintain adequate moisture in the soil profile to reduce the impact of heat stress, and provide irrigation at early morning or late evening</li> </ul>

	<b>Marathwada</b>	<ul style="list-style-type: none"> <li>• As there is a forecast of no rainfall and increase in temperature during week-1, it is advised to provide shade to newly planted and young plants and also mulching should be done around the stem.</li> <li>• As per forecast of no rainfall and below normal rainfall during next two weeks, it is advised for irrigation management especially in vegetable crops during early in the morning or at the evening with the help of micro irrigation system.</li> </ul>
	<b>Konkan</b>	<ul style="list-style-type: none"> <li>• Due to the forecast of hot and humid weather, there is possibility for development of spongy tissue disease in harvested mango fruits. To prevent this, harvest the matured mango fruits before 10 AM (morning) and after 4 PM (evening) at 80 to 85% maturity and keep the harvested fruits in shade.</li> <li>• Due to forecast of rise in temperature, it is advised to provide irrigation in arecanut orchard at 3-4 days interval. Clean the arecanut orchard by removing dry leaves and diseased, infected inflorescence</li> </ul>
<b>26-05-2023</b>	<b>Anantapur</b>	<ul style="list-style-type: none"> <li>• In view of the scorching heat due to heat waves, the public is advised to stay hydrated during the hot weather and follow the precautions in this regard. Further, the farmers are advised to take up farm operations during morning or evening hours and avoid exposure to heated environments.</li> <li>• Wherever pre-monsoon rainfall is received, farmers are advised to take up deep ploughings to improve the soil moisture storage capacity, thereby extending the soil moisture availability to crops during the crop growth period</li> </ul>
	<b>Gujarat</b>	<ul style="list-style-type: none"> <li>• Harvest paddy crop under clear sky conditions at early morning or evening time to avoid seed shattering and keep in the field for sun dry</li> <li>• Prop the sugarcane by tying together the canes in clumps to protect against high wind speed. Remove 25% lower mature leaves to improve sugar content and yield in sugarcane</li> </ul>
	<b>South Interior Karnataka</b>	<ul style="list-style-type: none"> <li>• Mango growers advised to harvest matured fruit and try to leave one or two inches of stem in the mango bunch, which helps to avoid sap burn disease</li> </ul>
	<b>North Interior Karnataka</b>	<ul style="list-style-type: none"> <li>• Farmers are advised to harvest matured wheat, groundnut and sunflower under clear weather condition with necessary precautionary measures</li> </ul>
	<b>West Bengal</b>	<ul style="list-style-type: none"> <li>• Labeling and power tiller operation is advised in the fields after <i>boro</i> rice harvesting for Jute sowing</li> <li>• To prevent fruit fly attacks in mango orchard, it is advised to install methyl eugenol traps</li> </ul>

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