

All India Coordinated Research Project on Agrometeorology (AICRPAM)

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Weather conditions and Agromet advisories issued during May 2022

1. General Weather Conditions

During 01 March - 31 May 2022, the country as a whole received 130.6 mm rainfall, which is -1% deficit, compared to the normal rainfall (131.7 mm) for the same period. Out of 36 meteorological sub-divisions, rainfall was large excess, excess, normal, deficient and large deficient in 06, 04, 08, 10 and 08 sub-division(s), respectively as depicted in Fig. 1.

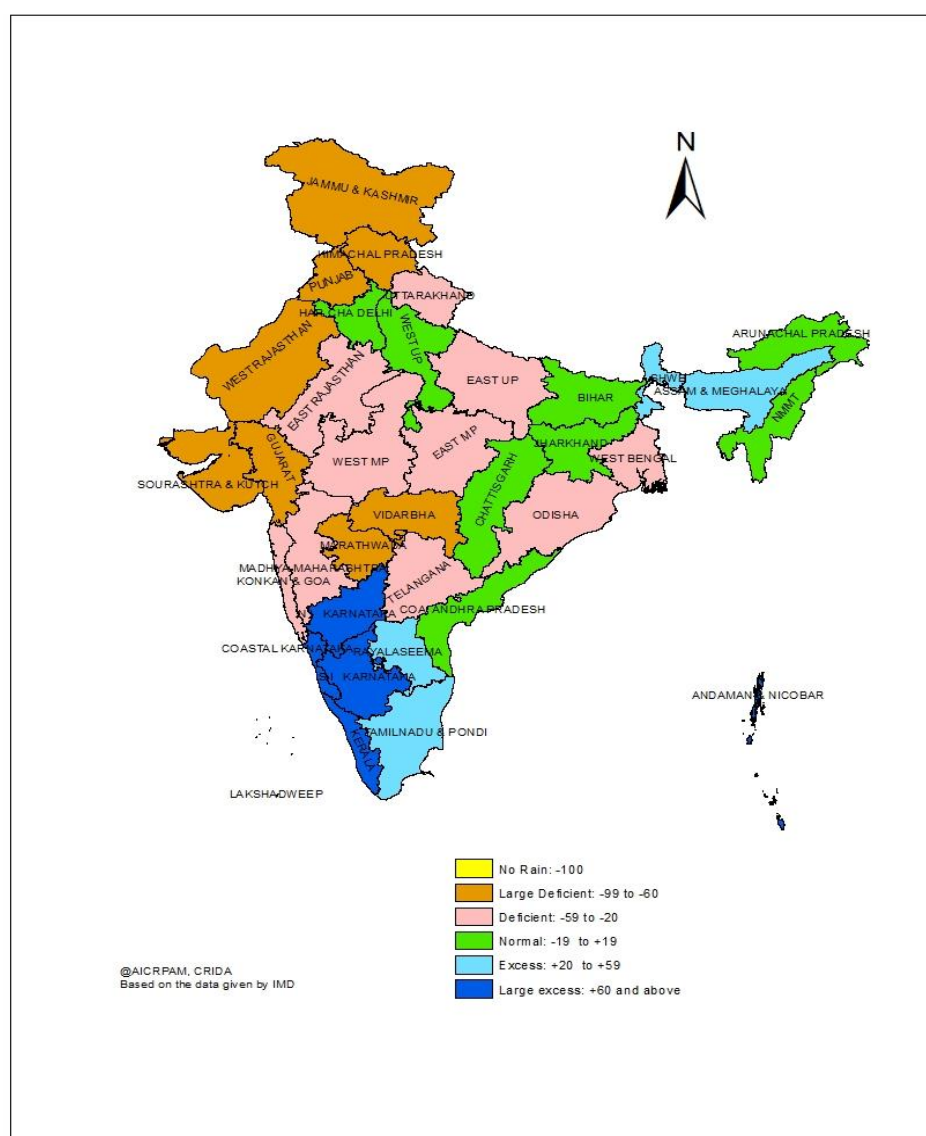


Fig. 1: Seasonal rainfall status (01 March – 31 May 2022) in 36 meteorological sub-divisions, India

2. Agromet advisories issued by AICRPAM centers during May 2022

Date of issue	Advisory issued for the region	Agromet Advisory issued
06-05-2022	Konkan	Due to rise in temperature, there is a possibility of increase in body temperature of farm animals. Hence, it is advised to provide clean, hygienic and sufficient amount of drinking water to the farm animals. To reduce the stress due to heat on farm animals, provide roughages by mixing with solution of 1% jaggery and 0.5% salt separately.
	Kerala	To avoid the damage in vegetable gardens due to summer rains and heavy wind, it is advised to provide proper staking, ensure drainage facilities in the field, strengthen the pandals and harvest the matured vegetables.
	Assam	Under prevailing weather condition, farmers are advised for sowing of maize with recommended hybrid varieties like Ganga 5, Vivek Maize Hybrid 47, Vivek Maize Hybrid 53 and Bio 9544 etc. and composite varieties like Dhawal, Navjot etc.
	Chhattisgarh	Due to high temperature and increase in evaporation rates during past week, the water requirement of summer crops viz. bitter gourd, bottle gourd, okra, cowpea etc. are increased. Therefore, it is advised to reduce the interval between two irrigations to maintain proper soil moisture and micro-climate within the crop canopy to minimize the adverse effects of high temperature or thermal stress.
13-05-2022	South Interior Karnataka	Due to heavy downpour of rain and thunderstorm, fruit drop was observed in mango. For suitable control measures, it is advised to spray Carbaryl 4 g/litre of water.
	Kerala	To avoid the damage to vegetable gardens due to summer rains and heavy wind, it is advised to provide proper staking, ensure drainage facilities in the field, strengthen the pandals and harvest the matured vegetables.
	Western Uttar Pradesh	Due to the dry weather condition, farmers are advised to maintain the soil moisture in zaid maize, green gram, black gram and vegetable crops.
	Vidarbha	To reduce the impact of heat wave, farmers are advised to maintain adequate moisture in the soil profile of summer crops, vegetables and orchards by applying irrigation during early morning or evening hours.

20-05-2022	Tamil Nadu	Prevailing weather condition is favorable for mealybug incidence in guava and mango. Farmers are advised to spray Triazophos 2 ml+ Neem oil 5 ml/litre or Phosalone 35 EC 1.5 ml + Neem oil 5 ml/litre.
	Madhya Maharashtra	To reduce the rate of evapotranspiration in fruit crops like grape, pomegranate, mango and sapota and to maintain soil temperature in the orchard, mulching with sugarcane trash or farm waste @ 5 to 7 tons per ha is recommended.
	Hisar	As there is a possibility of variable or dry weather and increase in day temperature, farmers are advised to apply light irrigation for vegetable crops and fruits plants as per requirement.
	Rajasthan	Considering the possibility of strong wind, farmers are advised to pick up okra fruits and other vegetables to avoid possible losses.
27-05-2022	Assam	Due to continuous rainfall with high humidity for last few weeks, symptoms of fruit rot disease may be observed in chilli fruit. Therefore, it is advised to spray Captan 50 WP @ 2g/litres of water.
	Gujarat	For the control of aphids in cowpea, it is advised to spray Imidacloprid 17.8 SL 3 ml or Thiamethoxam 25 WG @ 3g in 10 litres of water and also apply irrigation as per soil moisture condition.
	Uttarakhand	Due to the good rainfall received in the region, farmers can start the preparation of field for sowing of maize crop as sufficient moisture is present in the fields.
	Rajasthan	Because of increasing temperature, farmers are advised to irrigate the summer green gram at frequent intervals.