

All India Coordinated Research Project on Agrometeorology (AICRPAM)

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Weather conditions and Agromet advisories issued during January 2022

1. General Weather Conditions

During 01 - 31 January 2022, the country as a whole received 40 mm rainfall, which is 129% excess, compared to the normal rainfall (17 mm) for the same period. Out of 36 meteorological sub-divisions, rainfall was large excess, excess, normal, deficient and large deficient in 23, 02, 04, 01 and 06 sub-division(s), respectively as depicted in Fig. 1.

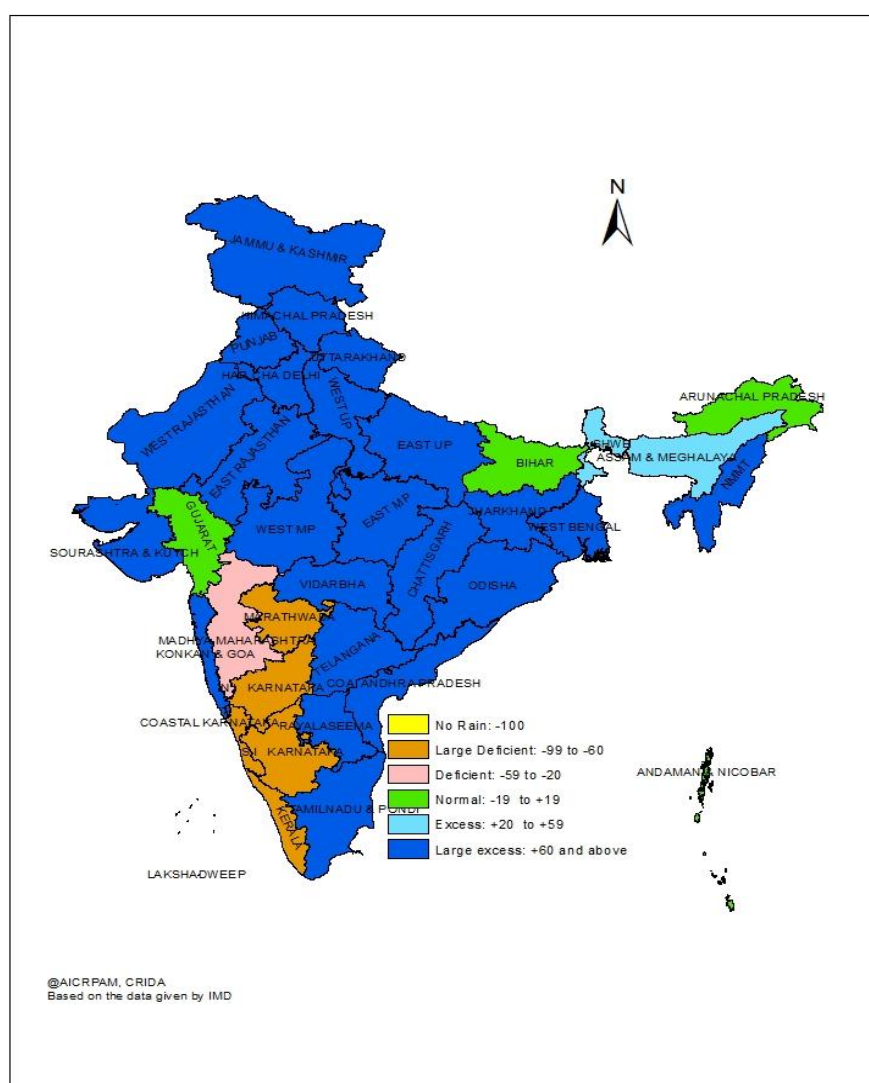


Fig. 1: Monthly rainfall status of January 2022 in 36 meteorological sub-divisions, India

2. Agromet advisories issued by AICRPAM centers during January 2022

Date of issue	Advisory issued for the region	Agromet Advisory issued
07-01-2022	Vidarbha	In view of light to medium rainfall forecast, it is advised to harvest the burst cotton bolls immediately and store the harvested produce safely.
	Marathwada	Due to cloudy weather condition, stem borer infestation may be observed in wheat crop. For management, it is advised to spray Cypermethrin 10 EC @ 11 ml per 10 litres of water.
	Hisar	To protect the crops from frost and low temperature, it is advised to apply need-based irrigation in evening hours.
	Jammu	Due to heavy rainfall condition, it is advised to avoid sowing very late sown wheat and keep the field in <i>vattar</i> (optimum soil moisture) condition.
14-01-2022	Konkan	To protect the poultry birds from low temperature, it is advised to provide curtains and electric bulbs during night time.
	Kerala	Due to increase in atmospheric temperature, there is a chance for the attack of sucking pests in vegetables. They can be controlled by applying 2% neem oil emulsion once in a week or by spraying <i>Lecanicillium lecanii</i> @ 20 g per litre of water.
	Madhya Maharashtra	To avoid fruit drop in mango, application of Imidacloprid @ 1 ml per litre of water is recommended.
	Gujarat	Due to cloudy weather condition, monitoring of pod fly and pod borers in pigeon pea crop is advised. If infestation observed, spray Quinalphos or Profenofos @ 20 ml/10 litres of water for control of pod fly and Spinosad 4 ml or Emamectin benzoate @ 7 g/10 litres of water for the control of pod borer.
21-01-2022	Uttarakhand	To save the animals from the cold, proper arrangement in the animal shed is advised and feed them optimum quantity of mustard oil & jaggery for maintain body temperature and also provide lukewarm water for drinking.
	Andhra Pradesh	The present weather conditions are favourable for incidence of pink boll worm in cotton grown in Srikakulam, Prakasam, Guntur, Krishna, Ananthapuram, YSR Kadapa, and Kurnool districts. To control, spraying of Profenophos @ 2ml/litre or Thiodicarb 1.5g/litre of water is advised.

21-01-2022	Chhattisgarh	Due to the forecast of rainfall in the coming week, farmers are advised to make proper arrangements for drainage in the vegetable crops.
	Himachal Pradesh	Maintain room temperature 25 - 28°C and relative humidity around 80 - 85% for successful cultivation of mushrooms. Sprinkle water to maintain humidity but ensure air circulation by fans to prevent water retention on mushroom.
	Assam	Transplanting of Boro varieties like <i>Jyotiprasad</i> , <i>Bishnuprasad</i> , <i>Kanaklata</i> , <i>Dinanath Joymoti</i> etc. are suggested to complete within this month. Seedlings with 4-5 leaves are suitable for transplanting.
28-01-2022	South Interior Karnataka	Sudden drop in minimum temperature may affects the floral induction in Mango. To manage it is advised to spray Paclobutrazol as plant growth retardant which restrict the vegetative growth.
	Eastern Uttar Pradesh	Intercultural operation is advised to check the evapotranspiration losses and proper utilization of nutrient to the crop.
	Jharkhand	Farmers having assured irrigation facility and wish to cultivate summer vegetables may proceed for sowing. Seeds of cucurbitaceous plant like sponge gourd, bottle gourd, pumpkin, water melon, musk melon etc. may be sown in pit.
	West Uttar Pradesh	Due to no rainfall forecast for the coming week, farmers are advised to irrigate the wheat crop.