

All India Coordinated Research Project on Agrometeorology (AICRPAM)

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Weather conditions and Agromet advisories issued during March 2022

1. General Weather Conditions

During 01-31 March 2022, the country as a whole received 9 mm rainfall, which is a -70% deficit, compared to the normal rainfall (30 mm) for the same period. Out of 36 meteorological sub-divisions, rainfall was large excess, excess, normal, deficient, large deficient and no rain in 03, 02, 04, 06, 19 and 02 sub-division(s), respectively as depicted in Fig. 1.

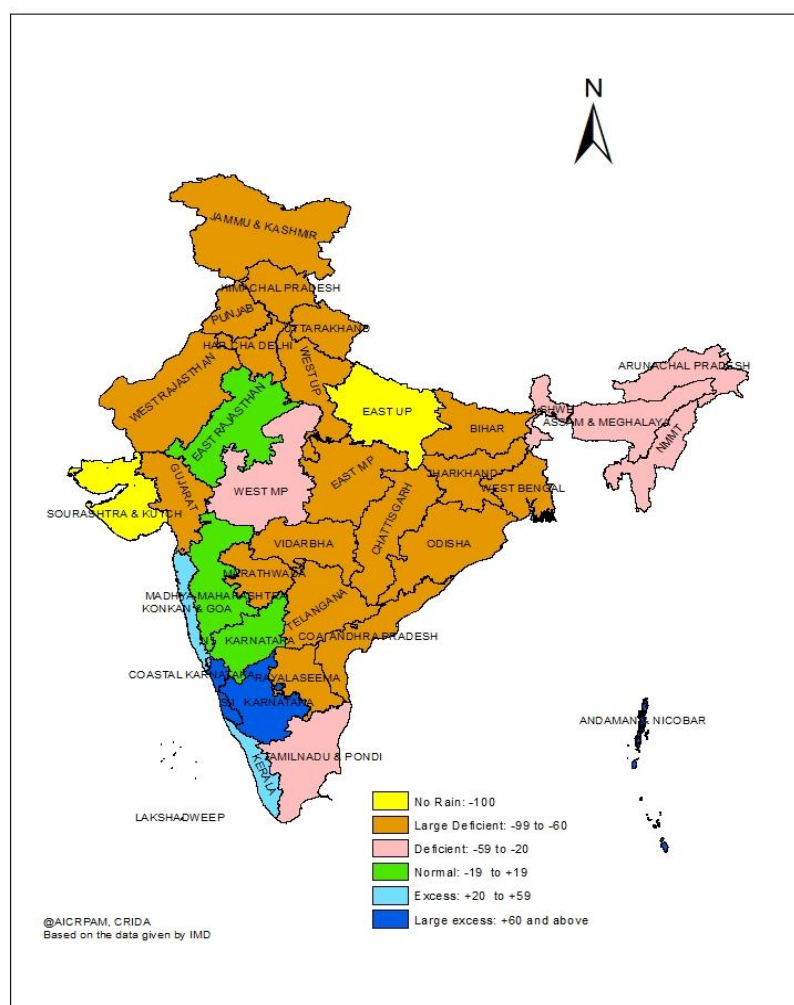


Fig. 1: Monthly rainfall status (01-31 March 2022) in 36 meteorological sub-divisions, India

2. Agromet advisories issued by AICRPAM centers during March 2022

Date of issue	Advisory issued for the region	Agromet Advisory issued
04-03-2022	Konkan	Due to the forecast for a gradual rise in temperature, it is advised to provide irrigation to watermelon crops at 3-4 days interval regularly and an alternate day basis in drip irrigation.
	Eastern Uttar Pradesh	Due to the rise in temperature, farmers are advised to prepare the field for early sowing of ladyfinger with recommended varieties like <i>A-4</i> , <i>Parbani Kranti</i> , <i>Arka Anamika</i> , <i>Narendra perennial-1</i> , <i>P-7</i> etc.
	Assam	The present weather condition is congenial for sowing the seeds of transplanted ahu rice in the nursery bed. Recommended varieties for transplanted upland rice (ahu) are <i>Luit</i> , <i>Kapilee</i> , <i>Govind</i> , <i>Jaya</i> , <i>IR-50</i> , etc.
	Chhattisgarh	Due to the increase in temperature and in evaporation rate, it is advised to irrigate summer vegetable crops.
11-03-2022	South Interior Karnataka	Due to continuous dry spell in January and February months, termite attack is common in horticulture crops, forestry tree and shrubs. To control, farmers are advised to apply Aldrin termiticide.
	Kerala	Since dry weather condition is prevailing due to the increase in temperature, it is advised to irrigate coconut and areca nut @ 40 to 50 litres of water per coconut palm and 25 litres of water per areca nut palm. It is also advised to bury fresh or dried coconut husk around the coconut palm to conserve soil moisture.
	Western Uttar Pradesh	Due to the prevalence of dry weather condition, farmers are advised to maintain the soil moisture in their standing crops and pick up mature fruits in standing crops.
	Vidarbha	Due to the rise in temperature and decrease in humidity, there is a chance of premature fruit drop in mango. To minimize, it is advised to spray 1% Potassium Nitrate on pea-sized mango fruits.
18-03-2022	West Bengal	For the management of whitefly in tomatoes, it is advised to spray Imidacloprid 17.8 SL @ 0.8 ml/litre of water or Acetamiprid 1 ml/litre of water.
	Punjab	To reduce the harmful effects of prevailing high temperatures, farmers are advised to apply light irrigation to the wheat crop or spray salicylic acid @ 15 g in 450 ml of ethyl alcohol using 200 litres of water per acre at the early milking stage.

18-03-2022	Hisar	Under prevailing weather conditions, farmers are advised to harvest the matured mustard crop as soon as possible.
	Gujarat	Because of the possibility of heatwave conditions, farmers are advised for light irrigation in standing crops and vegetables.
	Odisha	Due to the rise in atmospheric temperature, there are chances of infestation of thrips and aphids in the groundnut crop. To manage, it is advised to spray Neem-based pesticide (Azadirachtin) 300 ppm @ 1 litre /acre during the primary stage of infestation.
25-03-2022	Madhya Maharashtra	For control of powdery mildew in cucurbits, spraying of Dinocap 0.5 ml per litre of water is recommended.
	Jammu	To control red pumpkin beetle in cucurbits, it is advised to incorporate Phorate granules @ 10G in the pits during transplanting and under direct sowing, incorporate granules in soil.
	Andhra Pradesh	In Srikakulam, Vizianagaram, Chittoor, Kadapa and Guntur districts, present weather conditions are favorable for powdery mildew disease incidence in black gram. To control the disease, spraying of Hexaconazole @ 2 ml or Propiconazole @ 1 ml/litre of water is recommended.