

All India Coordinated Research Project on Agrometeorology (AICRPAM)

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Weather conditions and Agromet advisories issued during February 2022

1. General Weather Conditions

During 01 January - 28 February 2022, the country as a whole received 59 mm rainfall, which is 44% excess, compared to the normal rainfall (41 mm) for the same period. Out of 36 meteorological sub-divisions, rainfall was large excess, excess, normal, deficient and large deficient in 18, 08, 02, 03 and 05 sub-division(s), respectively as depicted in Fig. 1.

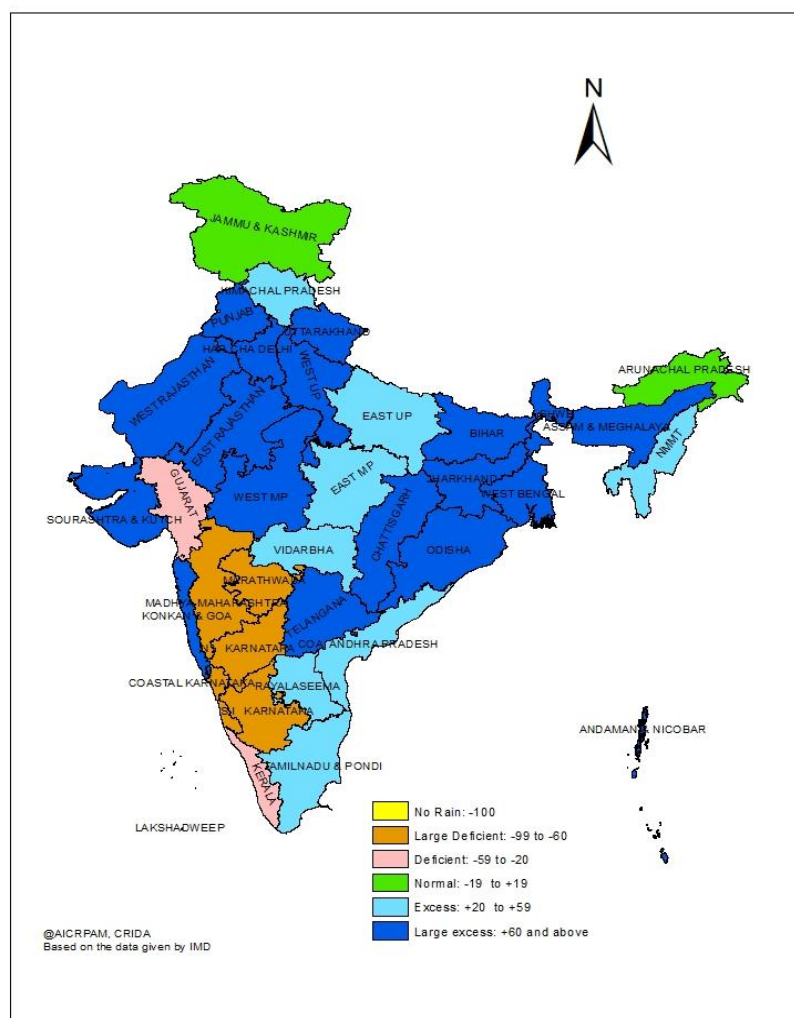


Fig. 1: Seasonal rainfall status (01 January - 28 February 2022) in 36 meteorological sub-divisions, India

2. Agromet advisories issued by AICRPAM centers during February 2022

Date of issue	Advisory issued for the region	Agromet Advisory issued
04-02-2022	Vidarbha	During the cold weather, there is a chance of red mites infestation in orange fruit. For management, it is advised to spray Abamectin 1.9 EC @ 3.6 ml or Propargite 57% EC @ 10 ml or Diafenthiuron 50 WP @ 20 g in 10 litres of water alternately at an interval of 20 days.
	Marathwada	Due to decrease in minimum temperature, flower dropping may be observed in chickpea. To manage, it is advised to spray Urea @ 2% @ 200 g per 10 litres of water.
	South interior Karnataka	The sudden drop in minimum temperature affects the floral induction in Mango. To manage, it is advised to spray Paclobutrazol as plant growth retardant, which restrict the vegetative growth.
	Jammu	Prevailing high relative humidity and low day temperature is congenial for alternaria blight in mustard. If observed, it is advised to spray Mancozeb @ 0.25%.
11-02-2022	North Interior Karnataka	Under prevailing weather condition, harvesting/threshing and drying of matured chickpea and other crops is advised. Plucking of cotton and chili may be taken up.
	Kerala	Cover the young pepper plants with dry arecanut leaves, coconut leaves or twigs of trees until summer months are over.
	Madhya Maharashtra	Under prevailing weather condition, it is advised to give protective irrigation at flag leaf stage and flowering stage in late sown sorghum crop for getting higher yield.
	Chhattisgarh	Prevailing temperature is suitable for growing of summer vegetables like pumpkin, bitter gourd, bottle gourd, okra etc. Hence, the sowing of these vegetables should be completed at the earliest.
18-02-2022	Assam	Under prevailing weather condition, it is advised to continue land preparation for cultivation of green gram and black gram. Recommended high yielding varieties for green gram are K-851, Pratap (SG-1) etc. and black gram varieties are Pant U 19, SBC 40 etc.
	Eastern Uttar Pradesh	In present weather condition, constant monitoring of the mustard crop against aphid attack is advised. If insect population is above ETL, then spraying of Imidacloprid @ 0.25 ml per litre of water is

18-02-2022		recommended during clear weather sky.
	Konkan	Due to forecast of gradual rise in temperature and decrease in humidity, it is advised to provide irrigation to newly planted cashewnut orchard @ 15 litres of water at 15 days intervals.
	Gujarat	For the management of late blight of potato, it is advised to spray Cymoxanil 8% + Mancozeb 64% WP fungicide 25 g in 10 liters of water.
	Punjab	Under prevailing weather condition, farmers are advised to prepare fields for the sowing/transplanting of spring/summer season crops like cucurbits, okra, tomato, chilli and brinjal etc.
25-02-2022	West Bengal	For preventive measure of late blight in potato, spraying of Mancozeb or Chlorothalonil or Copper Oxychloride is useful.
	Western Uttar Pradesh	Under prevailing weather condition, sowing of Zaid maize is advised. Recommended composite varieties are <i>Novjoti</i> , <i>Pusa-2</i> , <i>Sweta</i> and <i>Azad uttam</i> and hybrid varieties viz., <i>Hybrid Dakan107</i> , <i>Malviya hybrid-2</i> , <i>JH-3459</i> , <i>Prakash</i> , <i>PSM-5</i> , <i>Pro-303</i> , <i>KH-510</i> , <i>MMH-113</i> , <i>Azad hybrid1</i> , <i>Azad hybrid-2</i> , <i>DKC-9108</i> , <i>DKC-7074</i> .
	Himachal Pradesh	With the increase in temperature, the farmers of lower hill areas are advised for sowing of lady finger and French bean. The recommended varieties of lady finger are <i>Palam Komal</i> , <i>P-8</i> , <i>Arka Anamika</i> and <i>Varsha Uphar</i> and of <i>French bean</i> are <i>Contender</i> , <i>Premier</i> , <i>Palam Mridula</i> , <i>Phalguni</i> and <i>Arka Komal</i> .
	Andhra Pradesh	Present weather conditions are congenial for incidence of hoppers in mango in Nellore, Guntur, Kurnool, Prakasam and Ananthapuramu districts. To control the hoppers incidence, spraying of Dimethoate @ 2 ml or Chlorpyrifos @ 2.5 ml/litre of water is recommended.

