All India Coordinated Research Project on Agrometeorology (AICRPAM)

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Weather conditions and Agromet advisories issued during December 2020

1. General Weather Conditions

During 1 October -31 December 2020, the country as a whole received 124.6 mm rainfall, which is almost at par with the normal rainfall for the same period (123.8 mm). Out of 36 meteorological sub-divisions, rainfall was large excess, excess, normal, deficient, large deficient and no rain in 2, 9, 9, 11, 5and 0 subdivisions, respectively as depicted in Fig. 1.



@AICRPAM, CRIDA Based on the data given by IMD

2. Agromet advisories issued by AICRPAM centers during December 2020

Date of issue	Advisory issued for the region	Agromet Advisory issued
04-12-2020	Kerala	Due to light rain and high humid weather conditions, there is a chance of downy mildew disease in cabbage and cauliflower crops. To control, spray of Copper oxychloride @ 2 g per litre or Potassium phosphate @ 3-4 ml per litre of water is advised.
	Konkan	Due to increase in temperature, it is advised to provide irrigation in coconut and arecanut orchards.
	Himachal Pradesh	Due to decrease in temperature, farmers are advised to protect the newly born calves and milch animals from cold and provide dry bedding to animals.
	South Interior Karnataka	Due to chance of cloudy and rainy weather conditions, farmers are advised to postpone the harvesting, sun drying and winnowing of <i>kharif</i> crops like ragi, maize and groundnut.
11-12-2020	Madhya Maharashtra	Due to cloudy weather condition, there is a chance of pod borer in chickpea. It is advised to spray 5% Neem ark and use T-shaped bird perches @ 50 per ha in the field.
	Gujarat	Due to the chance of cloudy and humid weather condition, pick the cotton and store it in safe place.
	Hisar	Due to anticipated weather conditions, farmers are advised to apply need-based irrigation and sowing of late sown wheat varieties.
	West Bengal	Under prevailing weather conditions, there is a chance of aphid infestation in early sown mustard crop. To manage, it is advised to keep yellow sticky traps @ 8 traps per acre or spray Thiamethoxam 25% WG @ 40 g/acre or Acetamiprid 20% SP @ 50 g/acre in 200 litres of water.
18-12-2020	Tamil Nadu	Present weather condition is favorable for powdery mildew incidence in pulses. It is advised to spray neem seed kernel extract (NSKE) 5% or neem oil 3% twice at 10 days intervals from initial disease appearance or Spray Carbendazim 1g/litre or Wettable Sulphur 2.5 g/litre.

	Western Uttar Pradesh	Due to no rainfall condition, farmers are advised to irrigate the timely sown wheat after 20-25 days of sowing.
18-12-2020	Chhattisgarh	Due to cloudy weather condition, there is a chance of aphids in oilseeds, pulses and vegetable crops. For management, it is advised to spray neem-based pesticides when initial outbreak is observed.
	Jharkhand	Present weather condition is congenial for the attack of powdery mildew disease in cucurbitaceous plant. To control, it is advised to spray Kairathen @ 1.5 ml per litre of water.
	Vidharbha	Under prevailing cold weather condition, it is advised to apply light and frequent irrigation in field crops, orchards and vegetable crops to protect them from cold injury.
	South Interior Karnataka	Farmers are advised to manage the humidity in the silkworm rearing house by providing good cross-ventilation and dust dry slaked lime powder when silkworms settle for moult.
25-12-2020	Marathwada	For the management of pod borer in long duration pigeon pea varieties, it is advised to spray Quinalphos 25% @ 20 ml or Emamectin benzoate 5% @ 4.4 g per 10 litres of water.
	Assam	Because of rainfall deficit condition, it is advised to provide light irrigation immediately after the transplanting of 30-35 days old seedlings of rabi vegetables like cauliflower, cabbage, brocolli and knol khol in the main field.