All India Coordinated Research Project on Agrometeorology (AICRPAM)

ICAR-Central Research Institute for Dryland Agriculture Santoshnagar, Hyderabad – 500059

Weather Conditions and Agromet Advisories Issued during May 2019

1. General Weather Conditions

During 1 March to 31 May 2019, the country as a whole received 99.0 mm rainfall, which is 25% deficit, compared to the normal rainfall for the same period (131.5 mm). Out of 36 meteorological subdivisions, rainfall was excess in 3 subdivisions, Large excess in 1 subdivision, normal in 09 subdivisions, deficient in 13 subdivisions, large deficient in 10 subdivisions and no rain in 0 subdivision. The rainfall distribution in different subdivisions during 1 March to 31 May 2019 is depicted in Fig. 1.

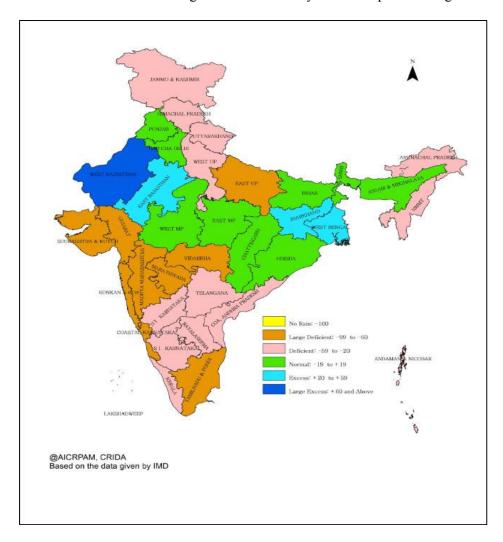


Fig. 1: Meteorological sub-division wise rainfall received during 1 March to 31 May 2019

2. Agromet advisories issued by ICAR-All India Coordinated Research Project on Agrometeorology (AICRPAM) centers during May 2019

Date of issue	AICRPAM Center	Agromet Advisory issued
03-05-2019	Kerala	 Due to increase in temperature, attack of white fly in coconut is observed. To control, spray the mixture of 2 % neem oil emulsion with 20 g of bio control agent (Lecanicillium) on lower sides of leaves. The attack of jassid in lady finger may increase due to increased air temperature. Apply 2% neem oil garlic emulsion once in a week or spray Lecanicillium lecanii @ 20 g per litre of water.
	Tamil Nadu	 Prevailing weather condition is congenial for sucking pests like thrips and aphids in chilli. To control, spray Imidacloprid 17.8 % SL @ 3 ml/10 litres. For protecting banana from high wind speed, mount soil around the base of the tree and give provide support by using casuarina poles.
	South Interior Karnataka	 Sowing of cowpea, sesame, black gram and green gram are recommended during May month. Silage, hay and crop residues may be used for cattle feed when there is a shortage of green fodder. Spraying of water on animals periodically during peak hot hours is recommended to reduce the heat load.
10-05-2019	Marathwada	Due to increase in temperature, vegetable crops should be regularly irrigate during early morning to avoid loss of water by evaporation.
	Madhya Maharashtra	 To control fruit flies in cucurbit vegetables, install clue-luer traps @ 2 per acre and spray 5% Azadirachtin @ 10 ml in 10 litres of water. Provide clean, sufficient water and green fodder to milch animals and place them under shade to protect them from high temperature.

17-05-2019	Rajasthan	 As summer groundnut is at peg formation stage, irrigation should be applied. Farmers are advised to procure good quality cotton seeds for sowing in coming weeks. Withheld the irrigation in pomegranate and guava, as the crops are at flowering (Mrigbahar) stage. This will prevent flower drop.
	Gujarat	 In summer green gram, evaporation rate will be higher under high temperature condition. Reduce the interval between two irrigations and apply irrigation at evening time. Infestation of white fly in chilli and brinjal can be managed by applying Trizophos 40 EC @ 20 litres of water.
24-05-2019	Jharkhand	 To conserve soil moisture for a longer period in green gram, inter-culture operation (weeding) is advised. Timely transplanted summer rice is at grain filling stage which is sensitive to moisture stress. Hence, maintain the water level in the field.
	West Bengal	• If more than 80% grains of boro rice are ripened, then harvest the crop. After harvesting, dry the crop properly as moderate to high rainfall is expected in coming days.
31-05-2019	Chhattisgarh	 Need based irrigation and intercultural operation should be done in tomato, brinjal, chilli, okra and other vegetable crops. Increase frequency of irrigation as per ambient temperature. Irrigation management is required in mango, lemon and other fruit trees. Preparation should be done for establishing new fruit gardens.
	Punjab	Apply paddy straw or rice husk or sugarcane trash @ 20-25 q/acre between the rows of sugarcane to reduce soil temperature and moisture loss.