



Agromet Advisory Bulletin for Ernakulam District

(Valid from 08.05.2024 to 12.05.2024)

Prepared by the Department of Agricultural Meteorology, Kerala Agricultural University, COA, Vellanikkara based on the medium range weather forecast of India Meteorological Department (IMD), New Delhi

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A. Medium range weather forecast of IMD for next five days

Weather parameters	08.05.2024	09.05. 2024	10.05.2024	11.05. 2024	12.05.2024
Rainfall (mm)	0.5	0.5	0.2	0.2	2
Maximum temperature (°C)	37	37	34	34	34
Minimum temperature (°C)	28	28	28	28	28
Maximum Relative Humidity (%)	77	77	77	77	77
Minimum Relative Humidity (%)	65	65	65	65	65
Wind speed (kmph)	4	6	8	4	2
Wind direction (deg)	290	290	270	290	270
Total cloud cover (octa)	8	8	8	8	8

Weather summary / Alert: Maximum temperatures are very likely to be around 37 °C in Ernakulum district on 07th April to 08th May 2024.

SMS: As per the forecast of IMD, there is a chance of light rainfall in isolated places of the district. Normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

C. General and Agrometeorological Advisories for Ernakulum District (RRS Vyttila)

The following are immediate steps to be followed to protect people, plants, and birds from the summer heat. Drink plenty of clean water from time to time to prevent dehydration. Avoid going out in hot weather to get rid of sunburn while going. Try to use a hat or an umbrella to prevent direct sunlight. Since dry and hot weather is prevailed, crops can be irrigated to ensure adequate soil moisture. Crops should not be irrigated during strong sunlight. Drip irrigation can reduce water loss to some extent.

Crop	Pest/ Disease	Crop/ Animal Advisory
Rice (Pokkali)	Management	After strengthening the outer bunds, setting the sluices and drying the field, farmers can start preparing mounds and seeds can also be procured.
Puncha rice- (Harvestingstage)	-	The paddy crop, which attained maturity stage can be harvested as early as possible.
Banana	Management	Spray Sulphate of Pottash @5g/litre of water to prevent the ill-effects of drought to an extent
Coconut & Arecanut	Irrigation	Since dry weather condition is prevailed, irrigate Coconut and Arecanut. Give 40 to 50 liter water for a coconut palm and 25 litre water for an Arecanut plant. Since air temperature is increasing, it is a desirable practice to bury fresh or dried coconut husk around the coconut palm to conserve soil moisture. It is desirable to apply lime (white colour) on the stem near the ground to protect from heat.

Animal Husbandry: - Pets, domestic animals and birds should be provided with adequate drinking water and should be protected from the solar radiation. Adequate ventilation should be arranged in their living space. Do not let the cattle graze during hot weather. (CAADECCS, KVASU, Mannuthy).