



Agromet Advisory Bulletin for Ernakulam District

(Valid from 04.05.2024 to 08.05.2024)

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	04.05.2024	05.05.2024	06.05.2024	07.05.2024	08.05.2024
Rainfall (mm)	0.5	0.1	0.1	0.1	3
Maximum temperature (°C)	36	36	36	36	36
Minimum temperature (°C)	30	30	29	29	28
Maximum Relative Humidity (%)	81	81	81	81	81
Minimum Relative Humidity (%)	72	72	72	72	72
Wind speed (kmph)	3	4	4	4	8
Wind direction (deg)	290	270	290	270	320
Total cloud cover (octa)	8	8	8	7	8

Weather summary / Alert: Maximum temperatures are very likely to be around 36 °C in Ernakulum district on 03rd May to 07th May 2024.

SMS: As per the forecast of IMD, there is a chance of light rainfall in isolated places of the district. Below 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.
Coconut	Management	One-kilogram lime can be applied per one matured palm by opening the coconut basin before the onset of southwest monsoon season,
Ginger/ Turmeric	Foot rot	During land preparation, apply 2 to 3 kg lime per cent. The rhizomes should be soaked in 0.3 % mancozeb or pseudomonas solution for 30 minutes for preventing rhizome rot disease. While planting 90 kg FYM mixed with one kg Trichoderma and kept under shade for two weeks with sufficient moisture can be applied.
Vegetables	Sucking pests	Spraying of <i>Leccanicilium leccani</i> 20 g per litre at weekly intervals to be done from the initial stage of infestation. Higher population of the pests can be suppressed by spraying Neem based insecticides or Dimethoate 30 EC (1.5 ml per litre) or Thiamethoxam 20 WG (2g per 10 litre). The spray fluid should be directed towards either side of leaves. In the case of mealy bugs, white flies etc., spraying of soap solution to be done before the application of chemicals to dissolve the waxy covering.

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).