



Agromet Advisory Bulletin for Ernakulam District

(Valid from 24.04.2024 to 28.04.2024)

*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	24.04.2024	25.04. 2024	26.04.2024	27.04. 2024	28.04.2024
Rainfall (mm)	0.5	0.5	0.2	0.5	0.1
Maximum temperature (°C)	34	34	34	34	34
Minimum temperature (°C)	27	28	28	28	28
Maximum Relative Humidity (%)	75	75	75	75	75
Minimum Relative Humidity (%)	65	65	60	60	60
Wind speed (kmph)	5	4	5	3	3
Wind direction (deg)	290	250	270	270	270
Total cloud cover (octa)	7	4	4	5	5

Weather summary / Alert: Maximum temperatures are very likely to be around 37 °C in Ernakulum district on 23rd to 27th April 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.
Rice (Puncha)	Management	Fish amino acid @ 6ml per litre of water can be sprayed or chitin based Pseudomonas can be applied @ 20 g per litre water. Malathion 50 EC 2 ml per litre can also be sprayed.
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.

Animal Husbandry: - Allow the animal to graze early in the morning or in the evening to avoid direct sunlight. It is better to allow the graze by evening hours. As the atmospheric temperature is increasing, give more cold water for cattle. Give grasses and straw during early morning and evening hours. And also protect them from direct sunlight.