



Agromet Advisory Bulletin for Ernakulam District

(Valid from 29.04.2023 to 03.05.2023)

*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	29.04.2023	30.04.2023	01.05.2023	02.05.2023	03.05.2023
Rainfall (mm)	2	4	15	15	15
Maximum temperature (°C)	33	33	33	33	33
Minimum temperature (°C)	25	27	27	27	27
Maximum Relative Humidity (%)	86	95	96	96	94
Minimum Relative Humidity (%)	64	58	62	60	58
Wind speed (kmph)	3	2	4	4	4
Wind direction (deg)	230	250	200	290	230
Total cloud cover (octa)	8	8	8	8	8

Weather summary / Alert: Fairly Widespread Rainfall is expected in the district and heavy rainfall is expected in isolated places. Above 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 farmers, 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. Thus you can get rid of sunburn. While working in the farm, try to use a hat or an umbrella to prevent direct sunlight. As the climate is hot and dry, irrigate the crops as required to ensure adequate soil moisture. Irrigate only, when there is no 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:- During cloudy condition, avoid bathing the cow and washing the cattle shed, otherwise more heat will be build up. Provide proper air circulation using fans. Assure increased ventilation in the cattle shed. Ensure sufficient supply of clean drinking water to the animals. (CAADECCS, KVASU, Mannuthy).