



Agromet Advisory Bulletin for Ernakulam District

(Valid from 21.04.2023 to 25.04.2023)

*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	21.04.2023	22.04.2023	23.04.2023	24.04.2023	25.04.2023
Rainfall (mm)	4.0	0.2	0.1	5.0	1.0
Maximum temperature (°C)	33	33	33	33	33
Minimum temperature (°C)	27	27	27	27	27
Maximum Relative Humidity (%)	78	78	78	78	78
Minimum Relative Humidity (%)	69	69	69	69	69
Wind speed (kmph)	6	6	6	6	6
Wind direction (deg)	290	320	290	320	270
Total cloud cover (octa)	8	8	8	8	7

Weather summary / Alert: Light rainfall is expected 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 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	By April 15, farmers will complete the prawn cultivation and initiate the activities for pokkali rice cultivation by strengthening the outer bunds and setting sluices after draining the pokkali field.
Turmeric	Planting	On receipt of pre-monsoon showers, prepare beds of size 3 m x 1.2 m with a spacing of 40 cm between beds in already tilled land. 160 Kg organic manure, 600 g rajphos and 200g MOP to be given as basal dose for one cent. Whole or split mother rhizomes are used for planting. Mulch the crop immediately after planting.
Vegetables	Sucking pests	Spraying of <i>Leccanicilium leccani</i> 20 g / L 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 / L) or Thiamethoxam 20 WG (2g / 10 L). 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:- 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).