



Agromet Advisory Bulletin for Ernakulam District

(Valid from 09.04.2025 to 13.04.2025)

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	09.04.2025	10.04.2025	11.04.2025	12.04.2025	13.04.2025
Rainfall (mm)	0.5	2	0.1	0.2	0.2
Maximum temperature (°C)	33	33	33	33	33
Minimum temperature (°C)	26	26	25	24	24
Maximum Relative Humidity (%)	86	86	86	86	86
Minimum Relative Humidity (%)	74	74	74	74	74
Wind speed (kmph)	3	2	2	2	2
Wind direction (deg)	250	290	320	290	250
Total cloud cover (octa)	5	8	5	5	4

Weather summary / Alert: - As per the forecast of IMD, there is a chance of light rainfall in the district. Thunderstorm accompanied by lightning is very likely to occur at one or two places in Kerala from 08 th to 11 th April 2025. Above normal rainfall is expected in Kerala.

Maximum temperatures are very likely to be around 37 °C in 08 th & 09 th April 2025. Hot & Humid weather is very likely over these districts except in hilly areas on 08th and 09th April 2025 due to high temperature and humidity.

B. Agrometeorological Advisories for crop protection & management

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

General Advisory: - Proper mulching can be followed to conserve soil moisture. Since air temperature is increasing, it is a desirable practice to bury fresh or dried coconut husk around the palm to conserve soil moisture.

Crop	Pest/ Disease, Crop Management	Agromet 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.
Puncha rice (Milky stage)	Management	Ensure water availability in paddy fields. This is especially important in late sown paddy fields.
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>Leccaniciliumleccani</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 in cattle shed. Assure increased ventilation in the cattle shed. Ensure sufficient supply of clean drinking water to the animals. (CAAECCS, KVASU, Mannuthy).