



Agromet Advisory Bulletin for Ernakulam District

(Valid from 02.04.2025 to 06.04.2025)

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 | 02.04.2025 | 03.04.2025 | 04.04.2025 | 05.04.2025 | 06.04.2025 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 0.5 | 1 | 7 | 0.2 | 7 |
| Maximum temperature (°C) | 33 | 33 | 33 | 33 | 33 |
| Minimum temperature (°C) | 27 | 27 | 27 | 27 | 27 |
| Maximum Relative Humidity (%) | 75 | 75 | 75 | 75 | 75 |
| Minimum Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |
| Wind speed (kmph) | 3 | 4 | 4 | 3 | 8 |
| Wind direction (deg) | 250 | 230 | 270 | 340 | 320 |
| Total cloud cover (octa) | 8 | 8 | 8 | 6 | 8 |

Weather summary / Alert: - As per the forecast of IMD, there is a chance of light rainfall in the district and moderate 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)

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 |
|--------------------|--------------------------------|---|
| Puncha rice | Rice bug | Fish amino acid @ 6ml per litre of water can be sprayed or chitin based Pseudomonas can be applied @ 20 g per litre water |
| Coconut & Arecanut | Management | Mulch the basin of coconut & arecanut with organic material to protect them from heat. This way the soil moisture can be retained. |
| 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 Leccanicilium leccani 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. |
| Mango | Fruit flies | Destroy all fallen fruits at weekly intervals. Install six methyl eugenol plywood traps (pheromone traps) per acre. Plough the soil at the tree basin at frequent intervals. |

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).