



Agromet Advisory Bulletin for Ernakulam District

(Valid from 28.12.2024 to 01.01.2025)

*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	28.12.2024	29.12.2024	30.12.2024	31.12.2024	01.01.2025
Rainfall (mm)	0.1	0.1	0	0.1	0.1
Maximum temperature (°C)	31	31	31	31	31
Minimum temperature (°C)	24	24	24	24	24
Maximum Relative Humidity (%)	83	83	83	83	83
Minimum Relative Humidity (%)	66	66	66	66	66
Wind speed (kmph)	2	4	4	2	2
Wind direction (deg)	230	250	250	270	290
Total cloud cover (octa)	8	5	5	6	6

Weather summary / Alert: As per the forecast of IMD, there is a chance of light rainfall in isolated places of the district. Normal to 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: - Prophylactic measures can be taken to control and to avoid the spread of crop pest and diseases. Since there is a chance of dry weather condition due to strong wind and high evaporation, crops should be irrigated, when required. Since the wind speed may increase, give strong propping to banana and staking to vegetables. As the rain is decreasing proper mulching can be followed to conserve soil moisture.

Crop	Pest/ Disease, Crop Management	Agromet Advisory
Rice (Mundakan) Panicle Emergence	Leaf folder	During cloudy weather condition, there is a chance of Leaf folder attack. It can be controlled by using Tricho cards (2CC per one acre). Cut the cards in to small pieces and fix in different regions of the field. If the attack is severe, spray Chlorantraniliprole @ 3ml per ten litre of water
Coconut	Rhinoceros beetle / Red Palm weevil	Field sanitation; top most three leaf axils may be filled with 25g neem cake and 200g sand mixture or naphthalene balls and sand as a prophylactic measure and repeat this procedure 45 days interval; Crown cleaning followed by the application of 20g cartap hydrochloride 4G/ Fipronil 0.3G / Carbosulphan 6G mixed with 200g sand on top three leaf axils; mist net balls can be inserted around leaf spindles.
Cucurbits	Downy mildew	Remove and destroy infected and dried leaves and spray Mancozeb 75WP (3g/L water).
Cool season vegetables	Management	Necessary irrigation to be provided for cabbage and cauliflower till the formation of head/curd. Cover the curd with 3-4 surrounding leaves to prevent discoloration when the curd is half mature stage (blanching) in cauliflower.

Animal Husbandry: - Deworm the animals after dung examination. Vaccinate animals against foot and mouth disease. Care should be taken to avoid ecto parasitic infestation. (CAADECCS, KVASU, Mannuthy).