



Agromet Advisory Bulletin for Ernakulam District

(Valid from 11.10.2023 to 15.10.2023)

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

AAS Bulletin No: 41/2023, (81) Tuesday

Dated 10.10.2023

A. Medium range weather forecast of IMD for next five days

Weather parameters	11.10.2023	12.10.2023	13.10.2023	14.10.2023	15.10.2023
Rainfall (mm)	0.5	3	4	3	2
Maximum temperature (°C)	32	31	31	31	31
Minimum temperature (°C)	26	25	25	25	25
Maximum Relative Humidity (%)	82	85	90	88	89
Minimum Relative Humidity (%)	65	68	68	70	70
Wind speed (kmph)	4	3	2	3	2
Wind direction (deg)	270	270	290	200	250
Total cloud cover (octa)	7	8	8	8	8

Weather summary / Alert: As per the forecast of IMD, there is a chance of light rainfall in the district. Below normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

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

Prophylactic measures to control crop pest & diseases can be taken to avoid their spread. Proper mulching can be followed to conserve soil moisture.

Crop	Pest/ Disease	Crop/ Animal Advisory
Paddy (Pokkali)	Purple moorhen	Strategies to manage purple moorhen is very essential in pokkali ecosystem like using nets, reflective ribbons (red and silver) or by erecting rope grids over the canopy.
Paddy (Mundakan) Nursery	Rice Thrips	Flooding to submerge the infested field for two days is very effective. In case of severe infestation, spray Thiamethoxam 25WG 2g/10 litre water
Coconut	Rhinoceros beetle	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.
Ginger	Stemborer	Spray 20g <i>Beauveria bassiana</i> in a litre of water

Fisheries: - Management: As there are chances of PH fluctuations in pond water, apply lime on the bunds after testing the pond water. Rice research Station, Vyttila (Kerala Agricultural University) is having facilities to test water quality parameters of fish culture ponds.