



Agromet Advisory Bulletin for Ernakulam District

(Valid from 16.09.2023 to 20.09.2023)

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	16.09.2023	17.09.2023	18.09.2023	19.09.2023	20.09.2023
Rainfall (mm)	10	7	6	6	0.2
Maximum temperature (°C)	31	31	31	31	31
Minimum temperature (°C)	24	25	25	25	25
Maximum Relative Humidity (%)	95	94	93	90	88
Minimum Relative Humidity (%)	78	80	75	70	66
Wind speed (kmph)	4	2	3	3	3
Wind direction (deg)	230	340	270	250	270
Total cloud cover (octa)	8	8	7	7	5

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

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 (Virippu)	Bacterial leaf blight	During rainy season, there is chance of bacterial leaf blight infestation in rice. As a prophylactic measure, spray 20 g <i>Pseudomonas</i> in one litre of water.
Cassava	Foot rot	Thoroughly drain the field. Strict sanitation by removing and burning infected plants; crop rotation with suitable crops in two years; ensure good drainage; apply lime @ 150-250 g per plant two weeks before planting; application of neem cake 20 g per plant; application of 1 Kg <i>Trichoderma</i> enriched farm yard manure/compost; Sett treatment with Carbendazim (0.1%) or combination of Carbendazim and mancozeb (0.2%) for 10 minutes; Drenching same fungicides starting from planting three times at 15 days interval.
Many crops	Giant African Snail	Copper sulphate 3g/ litre or Copper Oxy Chloride 3g/litre or mixture of copper sulphate solution and tobacco decotion can be sprayed on crops. If the population is less, bleaching powder or copper sulphate can be applied around the basins. Overnight traps can be set using papaya leaves and or cabbage leaves and covered with wet gunny bags or jute bag pieces, destroy the trapped snails using common salt. Remove and expose the damaged bark near bases and spray Carbosulphan 0.25% or 10% Bordeaux paste can be painted on the stem base;