



Agromet Advisory Bulletin for Ernakulam District

(Valid from 23.10.2024 to 27.10.2024)

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	23.10.2024	24.10.2024	25.10.2024	26.10.2024	27.10.2024
Rainfall (mm)	4	5	2	1	0.5
Maximum temperature (°C)	32	32	32	32	32
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	95	95	95	95	95
Minimum Relative Humidity (%)	74	74	74	74	74
Wind speed (kmph)	2	2	2	2	3
Wind direction (deg)	270	270	200	200	250
Total cloud cover (octa)	8	8	8	8	7

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

Special crop management is required for agricultural crops during monsoon season. Proper drainage facilities have to be ensured. If the soil is more acidic, add lime as per soil testing. Pesticides should not be applied during rainy period. Provide supports to banana crops. Make the vegetable pandals stronger.

Crop	Pest/ Disease, Crop Management	Agromet Advisory
Rice (Mundakan) Seedling stage	Rice case worm	During rainy season, there is a chance of rice case worm in paddy field. To control this, 25 kg sawdust or rice husk ash mixed with one litre kerosine (for 1 acre) can be spread after draining the field.
Nutmeg	Abnormal leaf fall	Spraying of 1% Bordeaux mixture + soil drenching of copper hydroxide or spraying of 1% Bordeaux mixture and soil application of Trichoderma are recommended.
Various crops	Caterpillars	Neem seed kernel extract 5% (Grind 50g Neem seed kernel to coarse powder, put in muslin cloth bag, keep immersed in 1 L water overnight. Thereafter, squeeze the cloth bag by dipping in water repeatedly till the water coming out from cloth bag becomes clear); Beauveria bassiana 20g per liter can be sprayed; Chlorantranilipole 18.5 SC 3ml / 10 liter water can be sprayed
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;

Animal Husbandry: - Precautions to be taken to avoid leptospirosis and ectoparasitic infestations. Care should be taken to avoid fungal growth in cattle feed. Deworm the animals after dung examination. (CAADECCS, KVASU, Mannuthy).