



Agromet Advisory Bulletin for Ernakulam District

(Valid from 12.08.2023 to 16.08.2023)

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	12.08.2023	13.08.2023	14.08.2023	15.08.2023	16.08.2023
Rainfall (mm)	5	3	3	0.2	0.2
Maximum temperature (°C)	31	31	31	31	31
Minimum temperature (°C)	26	26	26	26	26
Maximum Relative Humidity (%)	88	86	86	82	82
Minimum Relative Humidity (%)	78	78	78	72	72
Wind speed (kmph)	10	8	8	8	6
Wind direction (deg)	320	320	340	340	340
Total cloud cover (octa)	8	8	8	6	6

Weather summary / Alert: As per the forecast of IMD, intensity of rainfall is expected to decrease 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)

Special crop management is required for agricultural crops during monsoon season. Proper drainage facilities have to be ensured. Propping of the banana plants recommended. Additional support of the pandals recommended. Pesticides should not be applied during rainy period.

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.

Fisheries: - Rice research Station, Vyttila (Kerala Agricultural University) is having facilities to test water quality parameters of fish culture ponds.