



Agromet Advisory Bulletin for Ernakulam District

(Valid from 15.08.2023 to 19.08.2023)

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	15.08.2023	16.08.2023	17.08.2023	18.08.2023	19.08.2023
Rainfall (mm)	2	1	0.1	0.1	5
Maximum temperature (°C)	31	31	32	32	32
Minimum temperature (°C)	26	26	25	25	25
Maximum Relative Humidity (%)	89	89	89	89	89
Minimum Relative Humidity (%)	79	79	79	79	79
Wind speed (kmph)	5	5	5	5	5
Wind direction (deg)	260	290	270	270	290
Total cloud cover (octa)	8	7	5	7	8

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.
Ginger	Phyllosticta leaf spot	Remove and destroying disease affected plants. As a prophylactic measure, spray 2ml hexaconazole or 1 ml Propiconazole or 2 gram SAAF or 2.5 g copper oxychloride or 2 g copper hydroxide dissolved in one litre of water. Otherwise 1% Bordeaux mixture can be sprayed. Spraying can be continued at fortnightly intervals depending upon the intensity of the disease.

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