



Agromet Advisory Bulletin for Ernakulam District

(Valid from 20.08.2024 to 24.08.2024)

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	20.08.2024	21.08.2024	22.08.2024	23.08.2024	24.08.2024
Rainfall (mm)	5	18	10	2	1
Maximum temperature (°C)	30	30	30	30	30
Minimum temperature (°C)	26	25	25	25	25
Maximum Relative Humidity (%)	95	90	95	90	90
Minimum Relative Humidity (%)	85	85	80	85	85
Wind speed (kmph)	8	10	13	8	8
Wind direction (deg)	270	210	250	250	230
Total cloud cover (octa)	8	7	8	8	7

Weather summary / Alert: As per the forecast of IMD, there is a chance of heavy rainfall in isolated places of the district. Normal to above 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. To protect farmers and livestock from lightning and thunder avoid standing in open areas.

Crop	-	Crop/ Animal Advisory
Paddy (Pokkali)	Bacterial leaf blight	As a prophylactic measure, <i>Pseudomonas</i> (@ 20 g per L of water) can be sprayed.
	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) Flowering stage	Glume discoloration	Spray 0.4 g Nativo and potassium nitrate (13:0:45) 10g in a litre of water
Dolichos bean & winged bean	Management	This is the sowing time of dolichos bean and winged bean as these vegetables bear flowers and fruits during short day conditions from November to February. Land preparations and planting operations can be initiated.
Ginger	Stem borer	Spray 20g <i>Beauveria bassiana</i> in a litre of water

Animal Husbandry: Vaccinate animals against foot and mouth disease. Care should be taken to prevent rat breeding in the premises of cattle shed to prevent leptospirosis. (CAADECCS, KVASU, Mannuthy)