



Agromet Advisory Bulletin for Ernakulam District

(Valid from 31.08.2024 to 04.09.2024)

*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	31.08.2024	01.09.2024	02.09.2024	03.09.2024	04.09.2024
Rainfall (mm)	20	3	5	15	10
Maximum temperature (°C)	32	32	32	32	32
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	95	95	90	90	90
Minimum Relative Humidity (%)	80	80	80	85	80
Wind speed (kmph)	8	9	8	15	8
Wind direction (deg)	270	270	290	290	290
Total cloud cover (octa)	8	7	8	8	8

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.
Paddy(Virippu) Flowering stage	Glume discoloration	Spray 0.4 g Nativio and potassium nitrate (13:0:45) 10g in a litre of water.
Coconut	Management	25 to 50 kilogram of organic manure can be applied per one matured palm during rainyseason by opening the coconut basin. Ensure proper drainage facilities to avoid waterlogging in the basins.
Vegetables (in nursery)	Thrips	Spray <i>Leccanicilium (Vericilium)</i> 20 g in a litre of water during initial stages of infestation. In infected seedlings, Thiachloprid 21.7 SC 4.5 ml in 10 litre of water can be sprayed.
Cassava	Foot rot	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 staring from planting three times at 15 days interval.

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)