



Agromet Advisory Bulletin for Ernakulam District

(Valid from 02.08.2023 to 06.08.2023)

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	02.08.2023	03.08.2023	04.08.2023	05.08.2023	06.08.2023
Rainfall (mm)	4	5	4	4	4
Maximum temperature (°C)	31	31	31	31	31
Minimum temperature (°C)	26	25	25	25	25
Maximum Relative Humidity (%)	90	90	90	90	90
Minimum Relative Humidity (%)	73	67	67	67	67
Wind speed (kmph)	12	7	10	8	6
Wind direction (deg)	320	320	270	270	290
Total cloud cover (octa)	4	5	4	4	4

Weather summary / Alert: As per the forecast of IMD, intensity of rainfall is expected to decrease in the district. 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) Seedling stage	-	Dismantling of mounts can be practised based on the age of seedlings
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.
Coconut	-	25 to 50 kilogram of organic manure can be applied per one matured palm by opening the coconut basin. Ensure proper drainage facilities to avoid water logging in the basins.
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 starting from planting three times at 15 days interval.

Fisheries: - Fresh water fish *Pangasius* (Malasian vala or assam vala) can be stocked @ 500 numbers/cent in a pond, as they have the ability to capture oxygen from pond surface.