



Agromet Advisory Bulletin for Ernakulam District

(Valid from 28.07.2023 to 01.08.2023)

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	28.07.2023	29.07.2023	30.07.2023	31.07.2023	01.08.2023
Rainfall (mm)	7	6	6	5	7
Maximum temperature (°C)	29	31	31	31	32
Minimum temperature (°C)	24	24	24	24	25
Maximum Relative Humidity (%)	98	98	98	98	98
Minimum Relative Humidity (%)	83	83	83	83	83
Wind speed (kmph)	6	5	8	4	5
Wind direction (deg)	270	290	320	340	320
Total cloud cover (octa)	8	8	8	8	8

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 Ernakulam 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)	-	As the climate is becoming conducive, resowing may be attempted in places where crop is lost due to flood. Pokkali seeds (Vyttila-8, 10) available at RRS Vyttila.
Paddy (Virippu) (Seedling stage)	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.
Cucurbitaceous Vegetables	Downy mildew	Due to high relative humidity, there is a chance of downy mildew attack in cucurbitaceous vegetables. Spray 2.5gm Mancozeb per one litre of water under the leaves. Pesticides should not be applied during rain.
Ginger /Turmeric	Soft rot & leaf spot	Spray and drench <i>Pseudomonas fluorescence</i> @ 20 g per litre of water as a prophylactic measure against fungal diseases
Pepper	Foot rot	As a prophylactic measure, add 2.5 kg Trichoderma enriched organic manure to each vine.

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.