



Agromet Advisory Bulletin for Ernakulam District

(Valid from 27.07.2024 to 31.07.2024)

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	27.07.2024	28.07.2024	29.07.2024	30.07.2024	31.07.2024
Rainfall (mm)	20	16	22	14	17
Maximum temperature (°C)	30	30	30	30	30
Minimum temperature (°C)	24	25	25	25	25
Maximum Relative Humidity (%)	95	95	95	95	95
Minimum Relative Humidity (%)	75	75	75	75	75
Wind speed (kmph)	12	12	8	8	8
Wind direction (deg)	320	340	290	290	340
Total cloud cover (octa)	8	8	8	8	8

Weather summary / Alert:- As per the forecast of IMD, there is a chance of moderate rainfall in the district. 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) Seedling stage	Leaf folder	Due to high humidity, there is chance of rice leaf folder incidence. Thoroughly monitor the field and take management actions during the initial stage of infestation itself. Trichocards of <i>Trichogramma japonicum</i> and <i>T. chilonis</i> along with <i>Beauveria bassiana</i> @ 10 gm/l spray can be done.
Paddy (Virippu) Seedling stage	Sheath blight and leaf spot	Sheath blight and leaf spot diseases can be managed by spraying 20g <i>Pseudomonas</i> in one litre water as a prophylactic measure.
Coconut	Leaf rot	Improve health of the palm by balanced nutrition. Remove and destroy the rotten portions from the spear leaf and 2-3 adjacent leaves. Spray crown and leaf with Mancozeb 75 WP @ 3 g in a litre of water as a prophylactic measure. In diseased palms, spray and drench Hexaconazole 5 EC @ 1 ml per litre of water or Carbendazim 50 WP @ 1g per litre of water.
Pepper	Foot rot	As a prophylactic measure, add 2.5 kg <i>Trichoderma</i> enriched organic manure to each vine.
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

Animal Husbandry: Cattle feed should be stored on a wooden board or iron board. If moisture is in the cattle feed it may cause deadly fungal growth. Foot and mouth disease (FMD) vaccination has to be given to the animal. If leg lameness or fever was observed, immediate medical attention should be given. (CAADECCS, KVASU, Mannuthy)