



Agromet Advisory Bulletin for Ernakulam District

(Valid from 16.07.2024 to 20.07.2024)

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	16.07.2024	17.07.2024	18.07.2024	19.07.2024	20.07.2024
Rainfall (mm)	35	20	15	12	4
Maximum temperature (°C)	29	29	30	30	30
Minimum temperature (°C)	23	23	25	25	25
Maximum Relative Humidity (%)	95	95	95	95	90
Minimum Relative Humidity (%)	83	83	83	83	80
Wind speed (kmph)	8	4	4	2	6
Wind direction (deg)	270	270	270	290	320
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 and heavy rainfall in isolated places. 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	Steps for dewatering to be done
Paddy (Virippu)	Seedling stage	Steps for dewatering to be done
Cucurbitaceous Vegetables	Downy mildew	Due to high relative humidity, there is a chance of downy mildew attack incucurbitaceous vegetables. Spray 2.5gm Mancozeb per one litre of water under the leaves. Pesticides should not be applied during rain.
Giant African Snail in many crops		Copper sulphate 3g/ litre or Copper Oxy Chloride 3g/litre or mixture of copper sulphate solution and tobacco decotion can be sprayed on crops. If the population is less, bleaching powder or copper sulphate can be applied around the basins. Overnight traps can be set using papaya leaves and or cabbage leaves and covered with wet gunny bags or jute bag pieces, destroy the trapped snails using common salt. Remove and expose the damaged bark near bases and Bordeaux paste can be painted on the stem base.

Animal Husbandry: Sundry the cattle feed frequently to avoid fungal growth. Give foot and mouth disease (FMD) vaccination to the animal. Don't allow the animals go to water logged areas in order to avoid anthrax and foot lesions. (CAADECCS, KVASU, Mannuthy)