



Agromet Advisory Bulletin for Ernakulam District

(Valid from 20.7.2022 to 24.7.2022)

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	20.07.2022	21.07.2022	22.07.2022	23.07.2022	24.07.2022
Rainfall (mm)	20	15	14	16	10
Maximum temperature (°C)	28	29	29	29	29
Minimum temperature (°C)	23	24	24	24	24
Maximum Relative Humidity (%)	100	100	100	100	100
Minimum Relative Humidity (%)	85	85	85	85	85
Wind speed (kmph)	12	10	8	10	6
Wind direction (deg)	320	320	320	290	320
Total cloud cover (octa)	8	8	8	8	8

RAINFALL FORECAST FOR NEXT FIVE DAYS

2022 July 20	2022 July 21	2022 July 22	2022 July 23	2022 July 24
Moderate rain	Light rain	Light rain	Moderate rain	Light rain

Weather summary / Alert: Moderate rainfall is expected in the district and heavy rainfall is expected in isolated places. Normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

C. General and Agrometeorological Advisories for (RRS Vyttila)

Special crop management is required for agricultural crops during monsoon season. Proper drainage facilities have to be ensured. Pesticides should not be applied during rain.

Crop	Pest/ Disease	Crop/ Animal Advisory
Paddy (Pokkali)	Management	Precautions to be taken against the attack of turtles, rats and purple moorhens.
Paddy (Virippu)	Seedling stage	The micronutrient deficiency of paddy can be managed by spraying 10 gram of paddy sampoorina in one litter of water. Fertilizer should not be applied during rain.
Many crops	Giant African Snail	Copper sulphate 3g/ litre or Copper Oxy Chloride 3g/litre or mixture of copper sulphate solution and tobacco decoction 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 spray Carbosulphan 0.25% or 10% Bordeaux paste can be painted on the stem base;
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.
Fisheries		Farmers are advised to make happa for stocking fish fingerlings. Mosquito net or some other clothes can be used for the preparation of happa. Happa of size 2m x 1m x 1m can store 1000 fingerlings.