



Agromet Advisory Bulletin for Ernakulam District

(Valid from 13.07.2024 to 17.07.2024)

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

AAS Bulletin No: 28/2024, (56) Friday

Dated 12.07.2024

A Medium range weather forecast of IMD for next five days

Weather parameters	13.07.2024	14.07.2024	15.07.2024	16.07.2024	17.07.2024
Rainfall (mm)	4	5	6	4	7
Maximum temperature (°C)	31	31	31	30	30
Minimum temperature (°C)	26	25	25	25	25
Maximum Relative Humidity (%)	92	92	92	92	92
Minimum Relative Humidity (%)	74	74	74	74	74
Wind speed (kmph)	6	5	5	5	5
Wind direction (deg)	290	290	290	270	270
Total cloud cover (octa)	7	8	8	8	7

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
Rice (virippu) Seedling stage	Fertilizer application	First dose fertilizers can be applied for short duration varieties at the rate of 40 kg urea, 78 kg rock phosphate and 12 kg potash per acre.
	Rice case worm	During rainy season, there is a chance of rice case worm in paddy field. Drain water from the field for three days. To control this 25 kg sawdust mixed with one litre kerosene can be spread per one acre.
Cucurbitaceous Vegetables	Downy mildew	During rainy season, there is a chance of downy mildew attack in cucurbitaceous vegetables. Spray 2.5gm Mancozeb per one litre of water under the leaves.
Nutmeg	Leaf fall	During rainy season, there is a chance of leaf fall in nutmeg. As a prophylactic measure to manage leaf fall in nutmeg, spray 1% Bordeaux mixture. Proper drainage facilities have to be ensured

Animal Husbandry: Animals should not be allowed to go to water logged areas in order to avoid anthrax and foot lesions. Care should be taken to prevent rat breeding in the premises of cattle shed to prevent leptospirosis. (CAADECCS, KVASU, Mannuthy)