



Agromet Advisory Bulletin for Ernakulam District

(Valid from 03.05.2023 to 07.05.2023)

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

AAS Bulletin No: 18/2023, (35) Tuesday

Dated 02.05.2023

A. Medium range weather forecast of IMD for next five days

Weather parameters	03.05.2023	04.05.2023	05.05.2023	06.05.2023	07.05.2023
Rainfall (mm)	30	18	2	0.3	0.1
Maximum temperature (°C)	33	33	33	33	33
Minimum temperature (°C)	26	26	26	27	27
Maximum Relative Humidity (%)	85	86	95	85	84
Minimum Relative Humidity (%)	69	72	68	62	52
Wind speed (kmph)	6	6	8	6	3
Wind direction (deg)	270	320	320	290	290
Total cloud cover (octa)	8	8	8	8	7

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)

Since moderate rainfall is expected, provide proper drainage in the cultivated paddy field, if necessary. The paddy crop, which attained maturity stage can be harvested as early as possible. Provide supports for the bananas. Make the vegetable pandals stronger. Avoid standing in open areas to protect farmers and livestock from lightning and thunder. Special crop management is required for agricultural crops before monsoon season. Proper mulching can be followed to conserve soil moisture.

Crop	Pest/ Disease	Crop/ Animal Advisory
Rice (Pokkali)	Management	After strengthening the outer bunds, setting the sluices and drying the field, farmers can start preparing mounds and seeds can also be procured.
Rice (Puncha)	Sheath Blight	To control sheath blight disease in rice, spray 4 gram of Trifloxystrobin + Tebuconazole mixture in ten litres of water.
Vegetables	Mites	Spray neem oil garlic emulsion (20 ml neem oil + 20 g garlic paste + 5 g bar soap per litre of water) or 1% azadirachtin (10 ml per litre water) in the initial stages of infestation. In severe cases, spray Spiromesifen 22.9 SC 1 ml per litre of water or Fenazaquin 10 EC 2.5 ml per litre water
Tree crops	Pink disease	Bordeux mixture to be sprayed after summer showers to prevent the disease.
Ginger/Turmeric	Foot rot	The seed rhizomes should be soaked in 0.3 % mancozeb or pseudomonas solution for 30 minutes for preventing rhizome rot disease. While planting 90 kg FYM mixed with one kg <i>Trichoderma</i> and kept under shade for two weeks with sufficient moisture can be applied.

Animal Husbandry:- Care should be taken to prevent rat breeding in the premises of cattle shed to prevent leptospirosis. Keep away from open fields to avoid lightning stroke to livestock in the afternoon. (CAADECCS, KVASU, Mannuthy).