



Agromet Advisory Bulletin for Ernakulam District

(Valid from 22.05.2024 to 26.05.2024)

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	22.05.2024	23.05.2024	24.05.2024	25.05.2024	26.05.2024
Rainfall (mm)	30	30	40	20	12
Maximum temperature (°C)	29	31	33	33	33
Minimum temperature (°C)	25	26	26	26	26
Maximum Relative Humidity (%)	100	100	100	100	100
Minimum Relative Humidity (%)	73	73	73	73	73
Wind speed (kmph)	8	4	18	12	6
Wind direction (deg)	200	160	270	320	320
Total cloud cover (octa)	8	8	8	8	8

Weather summary / Alert: Thunderstorm with lightning accompanied by gusty winds, speed reaching 30-40 Kmph, is very likely to occur at one or two places in Kerala from 21st to 23rd May 2024. Thunderstorm with lightning is very likely to occur at one or two places in Kerala on 24th and 25th May 2024.

SMS: - As per the forecast of IMD, there is a chance of Moderate rainfall and heavy rainfall is expected in isolated places of 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 before monsoon season. Proper drainage facilities have to be ensured in the crop field. Provide supports for the bananas. Make the vegetable pandals stronger. Avoid standing in open areas to protect farmers and livestock from lightning and thunder.

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.
Paddy (Virippu)	Management	Land preparations can be done.
Coconut	Rhinoceros beetle & Red palm weevil	Field sanitation; top most three leaf axils may be filled with 25g neem cake and 200g sand mixture or naphthalene balls and sand as a prophylactic measure and repeat this procedure 45 days interval; Crown cleaning followed by the application of 20g cartap hydrochloride 4G/ Fipronil 0.3G/ Carbosulphan 6G mixed with 200g sand on top three leaf axils; mist net balls can be inserted around leaf spindles.
Pepper	Quick wilt	A spray of 1% Bordeaux mixture or <i>Pseudomonas</i> @ 20g in a litre of water can be given.
Nutmeg	Planting	Good quality grafts can be planted in 90 x 90 x 90 cm pits filled with a mixture of top soil and compost for fresh cultivation. Shade trees can also be planted, wherever it is required.

Animal Husbandry: - Care should be taken to avoid fungal growth in the cattle feed. Take precautions to avoid ecto parasitic infestation. Care should be taken to prevent rat breeding in the premises of cattle shed to prevent leptospirosis. (CAADECCS, KVASU, Mannuthy)