



Agromet Advisory Bulletin for Ernakulam District

(Valid from 27.05.2023 to 31.05.2023)

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

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

Weather parameters	27.05.2023	28.05.2023	29.05.2023	30.05.2023	31.05.2023
Rainfall (mm)	1	12	4	8	11
Maximum temperature (°C)	33	33	34	34	34
Minimum temperature (°C)	27	27	27	27	26
Maximum Relative Humidity (%)	86	91	92	92	90
Minimum Relative Humidity (%)	70	57	61	62	53
Wind speed (kmph)	8	12	12	12	8
Wind direction (deg)	230	340	340	340	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 isolated places of the district. 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. Provide supports for the bananas. Make the vegetable pandals stronger. Avoid standing in open areas to protect farmers and livestock from lightning and thunder. 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.
Cassava / Tapioca	Mealy bug	Collect and burn the infected branches and give a spray of one neem based insecticide along with a sticker. In the initial stages of infestation, a spray of <i>Lecanicillium lecanii</i> can be given. Avoid use and transport of setts from the infested area for further planting.
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.
	Leaf rot/Bud rot	Improve general condition of the palm by manuring and management. Clean the crown and remove rotten portions. Spray crowns and leaves with 1 % Bordeaux mixture, Mancozeb 75 WP 3g per litre water, Copper Oxy Chloride 50 WP 3g per litre.

Fisheries: - It is the right time to prepare ponds for fish farming. Drain the pond and apply lime. Apply tea seed cake or mahua oil cake in ponds where draining is difficult to eradicate weed fishes.