



Agromet Advisory Bulletin for Ernakulam District

(Valid from 14.02.2024 to 18.02.2024)

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	14.02.2024	15.02.2024	16.02.2024	17.02.2024	18.02.2024
Rainfall (mm)	0	0	0	0	0
Maximum temperature (°C)	32	32	32	32	32
Minimum temperature (°C)	25	25	26	26	26
Maximum Relative Humidity (%)	74	74	74	74	74
Minimum Relative Humidity (%)	50	50	50	50	50
Wind speed (kmph)	4	2	4	4	4
Wind direction (deg)	270	270	250	270	270
Total cloud cover (octa)	2	3	3	2	1

Weather summary / Alert: Since dry weather condition is prevailed, irrigation of crops can be continued, when required. Below normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

C. General and Agrometeorological Advisories for Ernakulam District (RRS Vyttila)

Since there is a chance of dry weather condition due to strong wind and high evaporation, crops should be irrigated, when required. Since the wind speed is increasing, give strong propping to banana and staking to vegetables. Proper mulching can be followed to conserve soil moisture.

Crop	Pest/ Disease	Crop/ Animal Advisory
Rice(Long duration Mundakan varieties (Milking stage)	Rice bug	Spray fish jaggery extract (20ml/ litre of water) or Chitin based <i>Pseudomonas fluorescens</i> (2.5 kg/Ha) or Azadirachtin @ (3000 ppm) 10ml/L
Banana	Pseudostem weevil	Place cadavars infected with entomopathogenic nematodes in the four leaf axils around the spindle in plants of 4-5 months old.
Vegetables	Sucking pests	Spraying of <i>Leccanicilium leccani</i> 20 g / L at weekly intervals to be done from the initial stage of infestation. Higher population of the pests can be suppressed by spraying Neem based insecticides or Dimethoate 30 EC (1.5 ml / L) or Thiamethoxam 20 WG (2g / 10 L). The spray fluid should be directed towards either side of leaves. In the case of mealy bugs, white flies etc., spraying of soap solution to be done before the application of chemicals to dissolve the waxy covering.

Fisheries: - Presently brackish water areas are good for stocking of brackish water fishes like pearl spot, chanos, seabass, mullet and shrimp because of favourable salinity in water.