



## Agromet Advisory Bulletin for Ernakulam District

(Valid from 14.12.2022 to 18.12.2022)

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	14.12.2022	15.12.2022	16.12.2022	17.12.2022	18.12.2022
Rainfall (mm)	0.5	3	0.1	0.1	0
Maximum temperature (°C)	29	30	30	30	30
Minimum temperature (°C)	24	24	23	23	23
Maximum Relative Humidity (%)	98	98	98	98	98
Minimum Relative Humidity (%)	75	75	75	75	75
Wind speed (kmph)	5	3	4	4	5
Wind direction (deg)	230	200	250	290	270
Total cloud cover (octa)	4	8	6	3	3

### RAINFALL FORECAST FOR NEXT FIVE DAYS

2022 December 14	2022 December 15	2022 December 16	2022 December 17	2022 December 18
Very light rain	Light rain	Very light rain	Very light rain	No rain

Weather summary / Alert: Light rainfall is expected in 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)

Prophylactic measures to control crop pest & diseases can be taken to avoid their spread. Proper mulching can be followed to conserve soil moisture.

Crop	Pest/ Disease	Crop/ Animal Advisory
Rice	Leaf folder	During cloudy weather condition, there is a chance of Leaf folder attack. It can be controlled by using Tricho cards (2CC per one acre). Cut the cards in to small pieces and fix in different regions of the field. If the attack is severe, spray Chlorantraniliprole @ 3ml per ten litre of water
Bittergourd	Downey mildew	Remove and destroy infected and dried leaves and spray Mancozeb 75WP (3g/L water).
Cool season vegetables	Management	40days after transplanting apply urea 650 g and potash 400g for one cent as second fertilizer dose
Tree crops	Pink disease	Drench and spray Hexaconazole 5EC 2ml per litre. Once the rain subsides, cut the affected branches or swab 10% Bordeaux paste or Copper oxy chloride (10g per litre).

Poultry layers Preventive measures like vaccination/antibiotics to be given against viral/bacterial diseases. Poultry feed to be kept in closed containers to get rid of fungal attack. To maintain egg production lighting with bulbs can be provided upto 16 hours.

Animal Husbandary :-Free foot & mouth vaccination campaign Ongoing free a foot and mouth disease campaign by Veterinary departments' (GoK) has been extended to 20th December 2022.