



Agromet Advisory Bulletin for Ernakulam District

(Valid from 21.12.2022 to 25.12.2022)

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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dated 20.12.2022

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

Weather parameters	21.12.2022	22.12.2022	23.12.2022	24.12.2022	25.12.2022
Rainfall (mm)	0.1	0.1	0.1	0.1	0
Maximum temperature (°C)	31	31	31	31	31
Minimum temperature (°C)	25	24	24	24	23
Maximum Relative Humidity (%)	79	79	79	79	79
Minimum Relative Humidity (%)	65	65	65	65	65
Wind speed (kmph)	6	3	2	3	5
Wind direction (deg)	290	270	290	270	270
Total cloud cover (octa)	3	3	3	3	2

RAINFALL FORECAST FOR NEXT FIVE DAYS

2022 December 21	2022 December 22	2022 December 23	2022 December 24	2022 December 25
Very light rain	Light rain	Very light rain	Very light rain	No rain

Weather summary / Alert: Very light rainfall is expected in 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)

Prophylactic measures to control crop pest & diseases can be taken to avoid their spread. 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 may increase, give strong propping to banana and staking to vegetables.

Crop	Pest/ Disease	Crop/ Animal Advisory
Rice	Bacterial Leaf blight	Dissolve 20 g cow dung in one litre of water and spray supernatant liquid by mixing with 20 g <i>Pseudomonas</i> in one 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.