



Agromet Advisory Bulletin for Ernakulam District

(Valid from 17.01.2024 to 21.01.2024)

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	17.01.2024	18.01.2024	19.01.2024	20.01.2024	21.01.2024
Rainfall (mm)	0.1	0.1	0.1	0	0
Maximum temperature (°C)	32	32	32	32	32
Minimum temperature (°C)	25	25	26	26	26
Maximum Relative Humidity (%)	78	78	78	78	78
Minimum Relative Humidity (%)	56	56	56	56	56
Wind speed (kmph)	3	2	4	4	4
Wind direction (deg)	250	230	270	270	270
Total cloud cover (octa)	6	3	5	2	2

Weather summary / Alert: As per the forecast of IMD, there is a chance of light rainfall in isolated places of the district. Below normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

C. General and Agrometeorological Advisories for Ernakulum 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 may increase, 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 (Mundakan) Maturity stage	Bacterial Leaf Blight	To control and prevent Bacterial Leaf blight in paddy, dissolve 20 g of cow dung in one liter of water and spray the supernatant liquid by mixing with 20g of pseudomonas in one liter of water. If the attack is severe spray 6 g of Streptocycline in 30 liter of water.
Chilly	White fly	Since dry weather condition is prevailed, there is a chance of white fly attack in chilly, apply 2% neem oil+ garlic emulsion under the leaf surface at 10 days intervals. If the attack is severe, apply 4 gram Thiamethoxam per ten litre of water.
Arecanut	Spindle bug	There is a chance of spindle bug attack in arecanut plant. The bug sucks the sap from unopened spindle leaf and cause damage. Leaves become dried and shed. As a prophylactic measure, spray 1.5 ml Dimethoate (30 EC) in one litre of water.

Animal Husbandry:- Ensure sufficient supply of clean drinking water to the animals. Allow the animal to graze early in the morning or in the evening to avoid direct sunlight. It is better to graze in the evening itself. (CAADECCS, KVASU, Mannuthy).