



Agromet Advisory Bulletin for Ernakulam District

(Valid from 03.01.2024 to 07.01.2024)

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	03.01.2024	04.01.2024	05.01.2024	06.01.2024	07.01.2024
Rainfall (mm)	0.5	2	19	0.5	0.5
Maximum temperature (°C)	32	32	32	32	32
Minimum temperature (°C)	27	27	26	26	26
Maximum Relative Humidity (%)	74	74	74	74	74
Minimum Relative Humidity (%)	57	57	57	57	57
Wind speed (kmph)	4	4	2	2	2
Wind direction (deg)	250	270	250	180	250
Total cloud cover (octa)	8	8	8	8	7

Weather summary / Alert: As per the forecast of IMD, there is a chance of light rainfall in the district and moderate rainfall in isolated places. Above 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 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	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.
Vegetables	Mites	2 per cent neem oil + garlic emulsion or commercial neem formulation azadirachtin 0.004 per cent (4 ml per litre of water) or micronized wettable sulphur 0.4 per cent can be applied in the initial stages of infestation. In the case of very severe infestation, the crop can be protected by spraying 0.05% dimethoate or Spiromesifen 22.9% SC 8 ml per 10 litre or Diafenthiuron 50% WP 1.2 g per 10 litre can be sprayed. Rational rotation of pesticides to be followed to avoid resistance development.
Cauliflower	Management	Cover the curd with 3-4 surrounding leaves to prevent discoloration when the curd is half mature stage (blanching).
Apiculture	Management	Copious flow of extra floral nectar available on rubber trees during January-April can be exploited by shifting bee colonies to these plantations during this period.
Fisheries	Management	Farmers can culture the following fishes like red snapper, seabass, pearl spot, mullet, pompano, milk fish etc. in brackish water