



## Agromet Advisory Bulletin for Ernakulam District

(Valid from 24.01.2024 to 28.01.2024)

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	24.01.2024	25.01.2024	26.01.2024	27.01.2024	28.01.2024
Rainfall (mm)	0.2	0.2	0.1	0	0
Maximum temperature (°C)	33	33	33	33	32
Minimum temperature (°C)	26	26	26	26	26
Maximum Relative Humidity (%)	84	84	84	82	82
Minimum Relative Humidity (%)	66	66	66	63	63
Wind speed (kmph)	3	2	3	4	4
Wind direction (deg)	250	250	250	270	270
Total cloud cover (octa)	4	4	4	2	2

**Weather summary / Alert:** As per the forecast of IMD, there is a chance of very 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)	Harvesting time	Chaffy panicles to be removed from seed production plots. Field to be ploughed thoroughly after harvest. Preparations for cowpea or vegetable cultivation can be initiated in the fields where sufficient moisture is there.
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.
Coconut	Rhinoceros beetle	Breeding places of rhinoceros beetles like cowdung pits, compost pits etc. can be treated with Metarhizium @ 250g in 750 ml water. Leaves of Clerodendron can also be incorporated in cowdung pits, compost pits

**Fisheries:-** Farmers can culture the following fishes like red snapper, seabass, pearl spot, mullet, pompano, milk fish etc. in brackish water.