



Agromet Advisory Bulletin for Ernakulam District

(Valid from 08.01.2025 to 12.01.2025)

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	08.01.2025	09.01.2025	10.01.2025	11.01.2025	12.01.2025
Rainfall (mm)	0	0.1	0.1	0.1	0.1
Maximum temperature (°C)	31	31	31	31	31
Minimum temperature (°C)	23	23	23	23	23
Maximum Relative Humidity (%)	80	80	80	80	80
Minimum Relative Humidity (%)	53	53	53	53	53
Wind speed (kmph)	2	2	4	2	2
Wind direction (deg)	250	320	270	320	290
Total cloud cover (octa)	6	7	5	5	6

Weather summary / Alert: Since dry weather condition is prevailed, irrigation of crops can be continued as per requirement. Normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

C. General and Agrometeorological Advisories for Ernakulum District (RRS Vyttila)

General Advisory: - Prophylactic measures can be taken to control and to avoid the spread of crop pest and diseases. 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. As the rain is decreasing proper mulching can be followed to conserve soil moisture.

Crop	Pest/ Disease, Crop Management	Agromet Advisory
Rice Milky stage	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.
Cowpea	Powdery mildew	During winter season, there is a chance of powdery mildew in cowpea. It can be controlled by spraying two gram wettable sulphur in one litre of water. Or carbendazim two gram per one litre of water.

Animal Husbandry: Vaccinate animals against foot and mouth disease and hemorrhagic septicemia. Ensure sufficient supply of clean drinking water to the animals. (CAAECCS, KVASU, Mannuthy).