



Agromet Advisory Bulletin for Ernakulam District

(Valid from 17.01.2026 to 21.01.2026)

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	17.01.2026	18.01.2026	19.01.2026	20.01.2026	21.01.2026
Rainfall (mm)	0.2	0	0	0	0
Maximum temperature (°C)	31	31	31	31	31
Minimum temperature (°C)	23	23	23	23	23
Maximum Relative Humidity (%)	70	70	70	70	70
Minimum Relative Humidity (%)	60	60	60	60	60
Wind speed (kmph)	4	4	3	4	5
Wind direction (deg)	250	250	230	270	290
Total cloud cover (octa)	4	4	4	3	2

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 crop pest & diseases. Proper mulching of crops can be followed to conserve soil moisture.

Crop	Pest/ Disease, Crop Management	Agromet 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.
	Thrips	Flooding the rice field will manage the thrips population to an extent. In severe cases, spray Thiamethoxam 25 WG 2g in 10 litre water.
Various crops	Caterpillars	Neem seed kernel extract 5% (Grind 50g Neem seed kernel to coarse powder, put in muslin cloth bag, keep immersed in 1 L water overnight. Thereafter, squeeze the cloth bag by dipping in water repeatedly till the water coming out from cloth bag becomes clear); <i>Beauveria bassiana</i> 20g per litre can be sprayed; Chlorantranilipole 18.5 SC 3ml / 10 litre water can be sprayed. If the hairy caterpillars are spreading to homesteads, Cypermethrin 1 ml per litre along with a sticker can be applied.
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.

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