



## Agromet Advisory Bulletin for Ernakulam District

(Valid from 20.12.2023 to 24.12.2023)

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	20.12.2023	21.12.2023	22.12.2023	23.12.2023	24.12.2023
Rainfall (mm)	0.1	0.1	0.1	0	0
Maximum temperature (°C)	30	33	33	33	33
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	89	89	86	83	83
Minimum Relative Humidity (%)	64	64	60	60	60
Wind speed (kmph)	2	4	4	4	4
Wind direction (deg)	290	320	290	270	270
Total cloud cover (octa)	7	6	8	6	3

**Weather summary / Alert:** As per the forecast of IMD, there is a chance of light rainfall in the district. Above 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
Paddy(Mundakan) Active tillering stage	Sheath rot and foot rot	Spray Hexaconazole 5EC 1.5 ml per litre after draining the field. Maintain health of plants by proper liming and fertilizer application including secondary and micronutrients based on soil test results.
Banana	Leaf spot	20g / L <i>Pseudomonas</i> can be sprayed in initial stages, rhizome treatment in 50g <i>Pseudomonas</i> per litre water for 30 minutes; 1% Bordeaux mixture can be sprayed 3 to 4 times in 3 to 4 weeks interval.
Cool season vegetables	Management	Second dose of fertilizers to be applied @ 650g urea and 415g MOP per cent (40 days after transplantation). Blanching to be done for cauliflower plants. When the curd is about 2 inches in diameter the large outer leaves should be tied up over the emerging curds to protect the curd from sunlight.

**Fisheries:** - Fish farmers are advised to keep sunshade net over fish pond which will be helpful to control over growth of green planktons.

**Animal Husbandary:-**Department of Animal Husbandary is conducting free foot and mouth vaccination campaign for cows and buffallos. All cattles of above 4 months of age should be vaccinated.