



Agromet Advisory Bulletin for Ernakulam District

(Valid from 16.12.2023 to 20.12.2023)

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	16.12.2023	17.12.2023	18.12.2023	19.12.2023	20.12.2023
Rainfall (mm)	1	5	5	2	0.5
Maximum temperature (°C)	33	33	33	33	33
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	90	90	90	90	90
Minimum Relative Humidity (%)	60	60	60	60	60
Wind speed (kmph)	4	4	7	4	4
Wind direction (deg)	290	250	20	270	340
Total cloud cover (octa)	7	8	7	6	6

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. Normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

C. General and Agro meteorological 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	Rice stem borer	Release of egg parasitoid <i>Trichogramma japonicum</i> (5cc /ha) at weekly intervals from 15-30 days after transplantation or 25-30 days after sowing or immediately after noticing moth activity. Use sex pheromone for the control of rice stem borer (8 traps /acre). Broadcast of Chlorantraniliprole 0.4 G (4 kg/acre) or Fipronil 0.3 G (5 kg/acre) or Cartap hydrochloride (5 kg/acre) is also recommended.
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.
Ginger	Fusarium yellows (Bellakkeedu)	Remove and destroy the infected plants and drench the beds with cheshunt compound or 1.0 per cent Bordeaux mixture or 0.3 per cent mancozeb.

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.