



Agromet Advisory Bulletin for Ernakulam District

(Valid from 09.09.2023 to 13.09.2023)

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	09.09.2023	10.09.2023	11.09.2023	12.09.2023	13.09.2023
Rainfall (mm)	22	15	9	3	10
Maximum temperature (°C)	30	30	30	30	32
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	93	96	94	92	96
Minimum Relative Humidity (%)	81	78	78	70	76
Wind speed (kmph)	3	8	9	4	4
Wind direction (deg)	290	290	290	320	340
Total cloud cover (octa)	8	8	8	6	8

Weather summary / Alert: As per the forecast of IMD, there is a chance of moderate rainfall in the district and heavy rainfall in isolated places. Above normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

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

Prophylactic measures to control crop pest & diseases can be taken to avoid their spread. Proper mulching can be followed to conserve soil moisture.

Crop	Pest/ Disease	Crop/ Animal Advisory
Paddy (Pokkali)	Bacterial leaf blight	As a prophylactic measure, <i>Pseudomonas</i> (@ 20 g per L of water) can be sprayed.
	Purple moorhen	Strategies to manage purple moorhen is very essential in pokkali ecosystem like using nets, reflective ribbons (red and silver) or by erecting rope grids over the canopy.
Pepper	Quick wilt	As a prophylactic measure to control quick wilt of pepper, add 2 kg Trichoderma to a mixture of 90 kg FYM and 10 kg neem cake and kept for two weeks with sufficient moisture. Add 2.5 kg of this mixture to the base of each matured pepper vine
Ginger	Stem borer	There is a chance of stem borer in ginger. Spray 20 g <i>Beauveria per</i> one litre of water to control stem borer. Or spray 2 ml of quinalphos in one litre of water.

Fisheries: - Rice research Station, Vyttila (Kerala Agricultural University) is having facilities to test water quality parameters of fish culture ponds.