



Agromet Advisory Bulletin for Ernakulam District

(Valid from 07.10.2023 to 11.10.2023)

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	07.10.2023	08.10.2023	09.10.2023	10.10.2023	11.10.2023
Rainfall (mm)	0.5	0.2	0.4	5	4
Maximum temperature (°C)	31	31	31	31	31
Minimum temperature (°C)	23	25	25	25	25
Maximum Relative Humidity (%)	91	90	95	90	94
Minimum Relative Humidity (%)	72	55	55	60	65
Wind speed (kmph)	6	6	6	6	6
Wind direction (deg)	290	290	290	290	290
Total cloud cover (octa)	6	5	5	7	7

Weather summary / Alert: As per the forecast of IMD, there is a chance of light rainfall in the district. Below 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)	Stem borer	Release of egg parasitoids <i>Trichogramma japonicum</i> (5cc / Ha) at weekly intervals from 15-30 days after transplantation immediately after noticing stem borer activity.
Paddy (Virippu)	Rice bug	Fish amino acid @ 20 ml /L water or Azadirachtin (3000 ppm) 10 ml / L water can be sprayed. Farmers those who cultivates for second crop can initiate preparations for nursesey.
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
Turmeric	Leaf Blotch	As a prophylactic measure, 1% Bordeaux mixture can be sprayed.
Ginger	Rhizome rot	There is a chance of rhizome rot in ginger. To control this, dig out the affected plants and drench the soil with copper oxychloride 2g per one litre of water. To avoid the spreading of rhizome rot in ginger, apply mixture of 15 gram bleaching powder and 250 gram lime in to the basin of three meter square bed.

Animal Husbandry: - Cattle feed should be stored on a wooden board or iron board. If moisture is in the cattle feed it may cause deadly fungal growth. Care should be taken to prevent rat breeding in the premises of cattle shed to prevent leptospirosis. (CAADECCS, KVASU, Mannuthy).