



Agromet Advisory Bulletin for Ernakulam District

(Valid from 30.11.2024 to 04.12.2024)

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	30.11.2024	01.12.2024	02.12.2024	03.12.2024	04.12.2024
Rainfall (mm)	0.1	4	15	10	5
Maximum temperature (°C)	32	31	31	30	30
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	86	86	95	95	95
Minimum Relative Humidity (%)	78	78	80	80	80
Wind speed (kmph)	4	3	8	4	3
Wind direction (deg)	270	290	270	250	270
Total cloud cover (octa)	6	8	8	8	8

Weather summary / Alert: As per the forecast of IMD, there is a chance of moderate rainfall in isolated places of 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)

Prophylactic measures can be taken to control and to avoid the spread of crop pest and diseases. As the rain is decreasing proper mulching can be followed to conserve soil moisture.

Crop	Pest/ Disease, Crop Management	Agromet Advisory
Paddy (Mundakan)	Leaf folder	Trim the bunds and remove grassy weeds. Release of <i>Trichogramma chilonis</i> (5 cc / Ha) when moth activity is noticed. Set up light trap to monitor the moth population.
Cool season vegetables	Management	First dose of fertilizers can be applied seven days after transplantation. 650g urea, 2Kg Rajphos, 415g MOP can be applied for one cent. After one month apply 650g urea and 415g MOP.
Ginger	Fusarium yellows (Bellakkedu)	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.
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 liter can be sprayed; Chlorantranilipole 18.5 SC 3ml / 10 liter water can be sprayed. If the hairy caterpillars are spreading to homesteads, Cypermethrin 1 ml per litre along with a sticker can be applied.

Animal Husbandry: - Vaccinate animals against foot and mouth disease and hemorrhagic septicemia. If needed give medicine against worm infestation after dung examination. (CAADECCS, KVASU, Mannuthy).