



Agromet Advisory Bulletin for Ernakulam District

(Valid from 09.12.2023 to 13.12.2023)

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	09.12.2023	10.12.2023	11.12.2023	12.12.2023	13.12.2023
Rainfall (mm)	15	10	8	12	2
Maximum temperature (°C)	32	33	33	33	33
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	90	90	90	90	90
Minimum Relative Humidity (%)	70	70	70	70	70
Wind speed (kmph)	6	4	5	5	4
Wind direction (deg)	230	210	230	270	250
Total cloud cover (octa)	8	7	8	8	8

Weather summary / Alert: As per the forecast of IMD, there is a chance of light rainfall in the district. 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) Tillering stage	Leaf folder	Trim the bunds and remove grassy weeds. Release of Trichogramma chilonis (5 cc / Ha) when moth activity is noticed. Set up light trap to monitor the moth population.
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.
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.

Fisheries: - Carp varieties like Catla, Rohu, Mrigal, Grass carp, Silver carp and Common carp and fishes like Varal, Kari, Pangasius and Tilapia can be suitable species for fresh water fish culture.