



Agromet Advisory Bulletin for Ernakulam District

(Valid from 09.11.2024 to 13.11.2024)

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	09.11.2024	10.11.2024	11.11.2024	12.11.2024	13.11.2024
Rainfall (mm)	10	1	0.2	0.2	0.1
Maximum temperature (°C)	32	32	32	32	32
Minimum temperature (°C)	24	24	24	24	24
Maximum Relative Humidity (%)	84	84	84	84	84
Minimum Relative Humidity (%)	75	75	75	75	75
Wind speed (kmph)	2	2	2	2	2
Wind direction (deg)	230	230	250	270	270
Total cloud cover (octa)	8	7	6	5	4

Weather summary / Alert: As per the forecast of IMD, there is a chance of light rainfall in isolated places of 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 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) Seedling stage	Sheath rot and sheath blight	Spray Hexaconazole 5EC 1.5 ml per litre after draining the field
Coconut	Rhinoceros beetle	Field sanitation; top most three leaf axils may be filled with 25g neem cake and 200g sand mixture or naphthalene balls and sand as a prophylactic measure and repeat this procedure 45 days interval; Crown cleaning followed by the application of 20g cartap hydrochloride 4G/ Fipronil 0.3G/ Carbosulphan 6G mixed with 200g sand on top three leaf axils; mist net balls can be inserted around leaf spindles.
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	Planting	One month old seedlings to be transplanted to already prepared field @ 90-100 seedlings/cent or in grow bags. 100 Kg <i>Trichoderma</i> enriched cowdung/compost can be applied before planting as basal dose. Complete transplanting before third week of November.

Fish farming: - Due to frequent rainfall, fish pond water level may increase in coming days. So farmers to take necessary steps to prevent the escape of fishes like fencing the fish pond by net.