



Agromet Advisory Bulletin for Ernakulam District

(Valid from 15.11.2024 to 19.11.2024)

*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	15.11.2024	16.11.2024	17.11.2024	18.11.2024	19.11.2024
Rainfall (mm)	15	2	2	3	1
Maximum temperature (°C)	32	32	32	32	32
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	90	90	90	90	90
Minimum Relative Humidity (%)	75	75	75	75	75
Wind speed (kmph)	2	2	2	2	2
Wind direction (deg)	230	230	250	250	270
Total cloud cover (octa)	8	8	8	8	8

Weather summary / Alert: As per the forecast of IMD, there is a chance of 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
Rice (Mundakan) Tillering stage)	Sheath rot and sheath blight	Spray Hexaconazole 5EC 1.5 ml per litre after draining the field
Turmeric/Ginger	Leaf blight & blotch	Spray and drench Carbendazim + Mancozeb 2g per litre of water or Mancozeb 3g per litre or 1% Bordeaux mixture. Rotation of crops to be followed strictly. Avoid using rhizomes of diseased plants as seeds. Seed rhizomes to be dipped in Bordeaux mixture for half an hour, drain in shade before storing for seed purpose.
Tree crops	Pink disease	Drench and spray Hexaconazole 5EC 2ml per litre. After the rain subsides, cut the affected branches or swab 10% Bordeaux paste or Copper oxy chloride (10g per litre).
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.
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.

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