



## Agromet Advisory Bulletin for Ernakulam District

(Valid from 14.08.2024 to 18.08.2024)

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	14.08.2024	15.08.2024	16.08.2024	17.08.2024	18.08.2024
Rainfall (mm)	18	9	5	4	5
Maximum temperature (°C)	31	31	31	30	30
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	90	90	90	90	90
Minimum Relative Humidity (%)	80	80	85	80	80
Wind speed (kmph)	15	10	20	10	8
Wind direction (deg)	320	320	320	290	320
Total cloud cover (octa)	8	8	8	8	8

Weather summary / Alert: As per the forecast of IMD, there is a chance of heavy 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)

Special crop management is required for agricultural crops during monsoon season. Proper drainage facilities have to be ensured. If the soil is more acidic, add lime as per soil testing. Pesticides should not be applied during rainy period. Provide supports to banana crops. Make the vegetable pandals stronger. To protect farmers and livestock from lightning and thunder avoid standing in open areas.

Crop	-	Crop/ Animal Advisory
Paddy(Pokkali) Panicle initiation stage	Leaf folder	Due to high humidity, there is chance of rice leaf folder incidence. Thoroughly monitor the field and take management actions during the initial stage of infestation itself. Trichocards of <i>Trichogramma japonicum</i> and <i>T. chilonis</i> each @ 1 lakh/ha along with <i>Beauveria bassiana</i> @10 gm/l spray can be done.
Paddy(Virippu)	Bacterial leaf blight	There is chance of bacterial leaf blight infestation in rice. As a prophylactic measure, spray 20 g <i>Pseudomonas</i> in one litre of water.
Banana	Rhizome rot	During rainy season, there is a chance of Rhizome rot in banana. As a prophylactic measure, drench the basin with 3 litre of pseudomonas solution (20g per one liter of water).
Ginger	Phyllosticta leaf spot	Remove and destroying disease affected plants. As a prophylactic measure, spray 2ml hexaconazole or 1 ml Propiconazole or 2 gram SAAF or 2.5 g copper oxychloride or 2 g copper hydroxide dissolved in one litre of water. Otherwise 1% Bordeaux mixture can be sprayed. Spraying can be continued at fortnightly intervals depending upon the intensity of the disease.

Animal Husbandry: Precautions should be taken to avoid ectoparasitic infestations. Deworming of animals should be done after microscopical examination of dung sample in a veterinary hospital. (CAADECCS, KVASU, Mannuthy)