



Agromet Advisory Bulletin for PALAKKAD District

(Valid from 31.08.2024 to 04.09.2024)

*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	31.08.2024	01.09.2024	02.09.2024	03.09.2024	04.09.2024
Rainfall (mm)	15	5	4	10	10
Maximum temperature (°C)	32	33	33	33	33
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	95	90	95	90	90
Minimum Relative Humidity (%)	80	80	80	80	80
Wind speed (kmph)	6	6	12	10	9
Wind direction (deg)	250	250	250	250	250
Total cloud cover (octa)	8	8	6	8	8

Weather summary / Alert: As per the forecast of IMD, there is a chance of moderate rainfall in isolated places of the district. Normal to above normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

C. General and Agro meteorological Advisories

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	Pest/ Disease	Crop/ Animal Advisory
Rice (virippu) Panicle stage	Bacterial Leaf blight	To control and prevent bacterial leaf blight in paddy, dissolve 20 g of cow dung in one litre of water and spray the supernatant liquid by mixing with 20g of pseudomonas. If the attack is severe spray 6 g of Streptocycline in 30 liter of water.
	Rice bug	There is a chance of appearance of rice bug in paddy. To control spray fish jaggery extract (20 ml/litre of water) or spray chitin based Pseudomonas fluorescens 20 gram in one litre of water. If the attack is severe, spray Azadirachtin 10 ml or Malathion 2 ml per litre of water. Pesticides application should be done either before 9 am or after 3 pm. Otherwise, the pesticide application will adversely affect the pollination.
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).
Vegetables (Cowpea)	Anthraco nose disease	During rainy season, there is a chance of Anthracnose disease in Cowpea. To control spray Carbendazim one gram per one litre of water. Pesticides should not be applied during rain.

Animal Husbandry: - Take precautions to avoid ectoparasitic infestation. If fever, shivering, brown coloured urine, off feed etc. are noticed, consult veterinary doctor immediately. Ensure sufficient supply of clean drinking water to the animals. (CAADECCS, KVASU, Mannuthy).