



Agromet Advisory Bulletin for Ernakulam District

(Valid from 06.04.2024 to 10.04.2024)

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	06.04.2024	07.04.2024	08.04.2024	09.04.2024	10.04.2024
Rainfall (mm)	0.5	0.2	0.1	1	2
Maximum temperature (°C)	36	36	36	36	36
Minimum temperature (°C)	26	27	27	27	27
Maximum Relative Humidity (%)	78	78	78	78	78
Minimum Relative Humidity (%)	68	68	68	68	68
Wind speed (kmph)	4	4	4	4	4
Wind direction (deg)	270	270	270	270	250
Total cloud cover (octa)	7	7	8	7	8

Weather summary / Alert: Maximum temperatures are very likely to be around 36 °C in Ernakulum district during 05.04.2024 to 09.04.2024.

SMS: 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)

The following are immediate steps to be followed to protect people, plants, and birds from the summer heat. Drink plenty of clean water from time to time to prevent dehydration. Avoid going out in hot weather to get rid of sunburn while going. Try to use a hat or an umbrella to prevent direct sunlight. Since dry and hot weather is prevailed, crops can be irrigated to ensure adequate soil moisture. Crops should not be irrigated during strong sunlight. Drip irrigation can reduce water loss to some extent.

Crop	Pest/ Disease	Crop/ Animal Advisory
Puncha rice (Panicle initiation stage)	-	Ensure water availability in paddy fields. The micronutrient deficiency of paddy can be managed by spraying 10 gram of paddy sampoorna in one litter of water.
Banana	Mites	Since dry weather condition is prevailed, there is a chance of mites attack in banana. Apply wettable sulphur three gram per one litre of water.
Brinjal	White fly	During high temperature, there is a chance of white fly attack in brinjal. Apply 2% neem oil garlic emulsion or spray 20g <i>Lecanicillium lecanii</i> per one litre of water in ten days intervals.

Animal Husbandry: - During cloudy condition, avoid bathing the cow and washing the cattle shed, otherwise more heat will be build up. Provide proper air circulation using fans in cattle shed. Assure increased ventilation in the cattle shed. Ensure sufficient supply of clean drinking water to the animals.