



Agromet Advisory Bulletin for Ernakulam District

(Valid from 12.04.2023 to 16.04.2023)

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	12.04.2023	13.04.2023	14.04.2023	15.04.2023	16.04.2023
Rainfall (mm)	0.9	0.3	0	0.2	0.3
Maximum temperature (°C)	33	33	33	33	33
Minimum temperature (°C)	27	26	26	26	24
Maximum Relative Humidity (%)	80	80	80	80	80
Minimum Relative Humidity (%)	68	68	68	68	68
Wind speed (kmph)	3	6	6	6	6
Wind direction (deg)	270	290	270	250	270
Total cloud cover (octa)	8	5	5	8	8

Weather summary / Alert: Light rainfall is expected in isolated places of the district. 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 farmers, 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. Thus you can get rid of sunburn. While working in the farm, try to use a hat or an umbrella to prevent direct sunlight. As the climate is hot and dry, irrigate the crops as required to ensure adequate soil moisture. Irrigate only, when there is no strong sunlight. Drip irrigation can reduce water loss to some extent.

Crop	Pest/ Disease	Crop/ Animal Advisory
Puncha rice (Milky stage)	-	Ensure water availability in paddy fields. This is especially important in late sown paddy fields.
Banana	Mites	Since dry weather condition is prevailed, there is a chance of mite attack in banana. Apply wettable sulphur 3 gram per one litre of water. Give strong propping to banana.
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. Assure increased ventilation in the cattle shed. Ensure sufficient supply of clean drinking water to the animals.