



Agromet Advisory Bulletin for Ernakulam District

(Valid from 23.03.2024 to 27.03.2024)

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	23.03.2024	24.03.2024	25.03.2024	26.03.2024	27.03.2024
Rainfall (mm)	0.5	0.3	0	0	0
Maximum temperature (°C)	37	37	37	37	37
Minimum temperature (°C)	26	26	27	27	27
Maximum Relative Humidity (%)	75	75	75	75	75
Minimum Relative Humidity (%)	68	68	68	68	68
Wind speed (kmph)	4	3	4	4	4
Wind direction (deg)	270	270	270	270	270
Total cloud cover (octa)	8	4	2	2	2

Weather summary / Alert: Maximum temperatures are very likely to be around 37 °C in Ernakulum district during 22.03.2024 to 26.03.2024.

SMS: As per the forecast of IMD, there is a chance of light rainfall 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 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 emergence stage)	-	As a prophylactic measure to fungal diseases and to boost immunity, spray 20 grams of Pseudomonas in one liter of water.
Coconut Tree	-	Since dry weather condition is prevailed, irrigate coconut palm as per requirement. It is a desirable practice to bury fresh or dried coconut husk in the coconut basin to conserve soil moisture. Apply lime (white colour) on the coconut stem near the ground to protect from hot sun.
Pepper	-	Pepper plants can be irrigated once a week. The water should be kept in basins of one and a half meter diameter around the plants. It is also good to mulch with dry leaves or something.

Animal Husbandry: - To avoid indigestion and acidity in cattle's, give 30g sodium bicarbonate with one tea spoon yeast mixed with cattle feed. (CAADECCS, KVASU, Mannuthy).