



## Agromet Advisory Bulletin for Ernakulam District

(Valid from 16.03.2024 to 20.03.2024)

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

AAS Bulletin No: 11/2024, (22) Friday

Dated 15.03.2024

### A. Medium range weather forecast of IMD for next five days

Weather parameters	16.03.2024	17.03.2024	18.03.2024	19.03.2024	20.03.2024
Rainfall (mm)	0.1	0	0	0	0
Maximum temperature (°C)	36	36	36	36	36
Minimum temperature (°C)	27	27	27	27	27
Maximum Relative Humidity (%)	81	81	81	81	81
Minimum Relative Humidity (%)	66	66	66	66	66
Wind speed (kmph)	5	4	4	4	8
Wind direction (deg)	290	290	270	270	320
Total cloud cover (octa)	4	3	2	2	1

Weather summary / Alert: Maximum temperatures are very likely to be around 36 °C in Ernakulum district during 15.03.2024 to 19.03.2024.

SMS: As per the forecast of IMD, there is a chance of very 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 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
Rice (Mundakan)	Management	Seeds to be dried properly and keep under moisture free conditions. It is time for summer ploughing in the fields that are left fallow for puncha season after harvesting mundakan.
Brinjal	Mealy bug	Since dry weather condition, there is a chance of mealy bug attack in brinjal, to control spray 2% Neem oil garlic emulsion. The attack is severe, apply Spiromesifen 8 ml/10 L of water.
Bhindi	Mosaic disease	During high temperature, there is a chance of mosaic disease in bhindi. To control this, spray dimethoate in 1.5 milli per one liter of water.

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).