



Agromet Advisory Bulletin for Ernakulam District

(Valid from 04.03.2023 to 08.03.2023)

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	04.03.2023	05.03.2023	06.03.2023	07.03.2023	08.03.2023
Rainfall (mm)	0	0	0.1	0	0
Maximum temperature (°C)	34	33	33	33	33
Minimum temperature (°C)	25	24	24	24	24
Maximum Relative Humidity (%)	60	60	60	60	60
Minimum Relative Humidity (%)	50	50	50	50	50
Wind speed (kmph)	5	4	4	4	4
Wind direction (deg)	70	20	20	50	50
Total cloud cover (octa)	0	1	2	1	4

Weather summary / Alert: Very light rainfall is expected 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. 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. Drink plenty of clean water from time to time to prevent dehydration. 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
Rice – Active tillering stage	Bacterial Leaf blight	Dissolve 20 g cow dung in one litre of water and spray supernatant liquid by mixing with 20 g <i>Pseudomonas</i> in one litre of water.
Banana	Pseudostem weevil	Place cadavars infected with entomopathogenic nematodes in the inner fourleaf axils around the spindle at 5, 6 and 7 months after planting banana.
Vegetables	Sucking pests	Spraying of <i>Leccanicilium leccani</i> 20 g / L at weekly intervals to be done from the initial stage of infestation. Higher population of the pests can be suppressed by spraying Neem based insecticides or Dimethoate 30 EC (1.5 ml) or Thiamethoxam 20 WG (2g / 10 L). The spray fluid should be directed towards either side of leaves. In the case of mealy bugs, white flies etc., spraying of soap solution to be done before the application of chemicals to dissolve the waxy covering.

Animal Husbandry- Pets, domestic animals and birds should be provided with adequate drinking water and protection from the sun and heat. Adequate ventilation should be arranged in their living space. Do not let the cattle graze during hot weather.