



Agromet Advisory Bulletin for Ernakulam District

(Valid from 22.03.2023 to 26.03.2023)

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

AAS Bulletin No: 12/2023, (23) Tuesday **Dated 21.03.2023**

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

Weather parameters	22.03.2023	23.03.2023	24.03.2023	25.03.2023	26.03.2023
Rainfall (mm)	0.1	0.1	0	0.5	0.4
Maximum temperature (°C)	33	33	33	33	33
Minimum temperature (°C)	26	26	26	26	26
Maximum Relative Humidity (%)	81	81	81	81	81
Minimum Relative Humidity (%)	64	64	64	64	64
Wind speed (kmph)	12	6	6	8	6
Wind direction (deg)	320	290	320	290	290
Total cloud cover (octa)	4	5	7	8	8

Weather summary / Alert: 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. 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	Rice bug	Fish amino acid @ 6ml per litre of water can be sprayed or chitin based Pseudomonas can be applied @ 20 g per litre water
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 / L) 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.
Banana	-	Give proper irrigation, propping can be done, suckers before bunch emergence to be destroyed
Ginger	-	Clear the field and burn the weeds, stubbles, roots etc. in situ. Prepare the land by ploughing or digging and apply lime. Prepare beds of convenient length 1 m width, 25 cm height with 40 cm spacing between the beds. Provide drainage channels. For irrigated ginger, the best suited time for planting is middle of February. Otherwise the best time for planting ginger is during the first fortnight of April.

Animal Husbandry- Ensure sufficient supply of clean drinking water to the animals. Allow the animal to graze early in the morning or in the evening to avoid direct sunlight. It is better to graze in the evening itself.