



## Agromet Advisory Bulletin for Ernakulam District

(Valid from 29.03.2023 to 02.04.2023)

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	29.03.2023	30.03.2023	31.03.2023	01.04.2023	02.04.2023
Rainfall (mm)	0.2	0.1	0.1	0.1	0.3
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 (%)	60	60	60	60	60
Wind speed (kmph)	6	6	6	3	6
Wind direction (deg)	290	290	320	340	290
Total cloud cover (octa)	4	8	5	7	8

Weather summary / Alert: Light rainfall is expected in isolated places of the district. Above 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
Banana	Sigatoka leaf spot	20g / L Pseudomonas can be sprayed in initial stages, rhizome treatment in 50g Pseudomonas per liter water for 30 minutes; 1% Bordeaux mixture can be sprayed 3 to 4 times in 3 to 4 weeks interval.
Coconut	Rhinoceros beetle	Breeding places of rhinoceros beetles like cowdung pits, compost pits etc. can be treated with Metarhizium @ 250g in 750 ml water. Leaves of Clerodendron can also be incorporated in cowdung pits, compost pits
Tree crops	Pink disease	Bordeux mixture to be sprayed after summer showers to prevent the disease.
Mango	Fruit flies	Destroy all fallen fruits at weekly intervals. Install six methyl eugenol plywood traps (pheromone traps) per acre. Plough the soil at the tree basin at frequent intervals.

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.