



Agromet Advisory Bulletin for Ernakulam District

(Valid from 18.03.2023 to 22.03.2023)

*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	18.03.2023	19.03.2023	20.03.2023	21.03.2023	22.03.2023
Rainfall (mm)	0.4	0.5	0.5	0.1	0.1
Maximum temperature (°C)	32	33	33	33	33
Minimum temperature (°C)	26	24	24	24	24
Maximum Relative Humidity (%)	80	80	80	80	80
Minimum Relative Humidity (%)	66	66	66	66	66
Wind speed (kmph)	16	16	16	16	16
Wind direction (deg)	270	270	270	270	270
Total cloud cover (octa)	5	5	5	2	2

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 (Panicle emergence stage)	-	Since dry weather condition is prevailed, for general protection of paddy from 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.
Vegetables (Chilli)	Thrips	As the hot weather conditions continued, there is a chance of thrips attack in chilly. Spray 2% neem oil+ garlic emulsion under the leaf surface at 10 days intervals. If the attack is severe, apply spiromecifen 8 ml per ten litre 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.