



Agromet Advisory Bulletin for Ernakulam District

(Valid from 06.03.2024 to 10.03.2024)

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

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

Weather parameters	06.03.2024	07.03.2024	08.03.2024	09.03.2024	10.03.2024
Rainfall (mm)	0.2	0	0	0	0
Maximum temperature (°C)	33	33	33	33	33
Minimum temperature (°C)	27	27	27	27	27
Maximum Relative Humidity (%)	79	79	79	78	78
Minimum Relative Humidity (%)	55	55	55	57	57
Wind speed (kmph)	6	3	8	3	4
Wind direction (deg)	320	290	320	270	270
Total cloud cover (octa)	7	3	2	4	2

Weather summary / Alert: As per the forecast of IMD, there is a chance of 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.
Coconut & Arecanut	Irrigation	Since dry weather condition is prevailed, irrigate Coconut and Arecanut. Give 40 to 50 liter water for a coconut palm and 25 litre water for an Arecanut plant. Since air temperature is increasing, it is a desirable practice to bury fresh or dried coconut husk around the coconut palm to conserve soil moisture. It is desirable to apply lime (white colour) on the stem near the ground to protect from heat.
Chilly	Mite	Since dry weather condition is prevailed, there is a chance of mites attack in chilly. Spray any Neem based insecticides @ 3-6 ml/L once in 10 days. If the infestation goes severe, apply Spiromesifen 8 ml/10 L of water.
Amaranthus	blight	Intercrop red and green varieties, seed treatment with <i>Trichoderma</i> or <i>Pseudomonas</i> , restrict irrigation to the basin, dissolve 20 g cow dung in one litre of water and spray supernatant liquid by mixing with 20 g <i>Pseudomonas</i> with the onset of initial symptoms itself, foliar spray and soil drenching with Turmeric powder (5 g) + baking soda (1 g) mixture in one litre water at 7-8 days interval is also recommended for its control.

Animal Husbandry: - Pets, domestic animals and birds should be provided with adequate drinking water and should be protected from the solar radiation. Adequate ventilation should be arranged in their living space. Do not let the cattle graze during hot weather. (CAADECCS, KVASU, Mannuthy).