



Agromet Advisory Bulletin for Ernakulam District

(Valid from 18.02.2023 to 22.02.2023)

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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dated 17.02.2023

Weather parameters	18.02.2023	19.02.2023	20.02.2023	21.02.2023	22.02.2023
Rainfall (mm)	0	0	0	0	0
Maximum temperature (°C)	31	31	31	31	31
Minimum temperature (°C)	23	24	24	24	24
Maximum Relative Humidity (%)	85	85	85	85	85
Minimum Relative Humidity (%)	55	55	55	55	55
Wind speed (kmph)	6	6	3	6	6
Wind direction (deg)	250	250	230	290	250
Total cloud cover (octa)	4	3	5	4	6

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

RAINFALL FORECAST FOR NEXT FIVE DAYS				
2023 February 18	2023 February 19	2023 February 20	2023 February 21	2023 February 22
No rain	No rain	No rain	No rain	No rain

Weather summary / Alert: Since dry weather condition is prevailed, irrigation of crops can be continued as per requirement. Below normal rainfall is expected in Kerala. .

B. Agrometeorological Advisories for crop protection & management

C. General and Agrometeorological Advisories for Ernakulum District (RRS Vyttila)

Since dry weather condition is prevailed, irrigation of crops can be continued as per requirement. Since the wind speed may increase, give strong propping to banana and staking to vegetables. Prophylactic measures to control crop pests & diseases can be taken to avoid their spread.

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 & Coconut	Irrigation	Since dry weather condition is prevailed, irrigate to Banana and Coconut. Give 40 to 50 liter water for a coconut palm and 40 liter water for a banana plant. Ensure that there is enough moisture in the soil
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.
Apiculture	Management	Copious flow of extra floral nectar available on rubber trees during January-April can be exploited by shifting bee colonies to these plantations during this period.
Fisheries	Management	Fish farmers who cultivate in ponds should tie 80% shade net (green colour) above the pond in order to prevent excess surge in temperature of water from direct sunlight.