



Agromet Advisory Bulletin for Ernakulam District

(Valid from 14.01.2023 to 18.01.2023)

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: 02/2023, (4) Friday

dated 13.01.2023

Weather parameters	14.01.2023	15.01.2023	16.01.2023	17.01.2023	18.01.2023
Rainfall (mm)	0	0	0	0	0
Maximum temperature (°C)	30	31	31	31	31
Minimum temperature (°C)	22	22	22	23	23
Maximum Relative Humidity (%)	82	82	82	82	82
Minimum Relative Humidity (%)	56	56	56	56	56
Wind speed (kmph)	5	4	4	4	5
Wind direction (deg)	270	250	250	270	270
Total cloud cover (octa)	5	3	2	4	5

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

RAINFALL FORECAST FOR NEXT FIVE DAYS				
2023 January 14	2023 January 15	2023 January 16	2023 January 17	2023 January 18
No rain	No rain	No rain	No rain	No rain

Weather summary / Alert: Since there is a chance of dry weather condition due to strong wind and high evaporation, crops should be irrigated, when required. Below normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

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

Prophylactic measures to control crop pest & diseases can be taken to avoid their spread. Since there is a chance of dry weather condition due to strong wind and high evaporation, crops should be irrigated, when required. Since the wind speed may increase, give strong propping to banana and staking to vegetables.

Crop	Pest/ Disease	Crop/ Animal Advisory
Rice	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.
Vegetables	Mites	2 per cent neem oil + garlic emulsion or commercial neem formulation azadirachtin 0.004 per cent (4 ml per litre of water) or micronized wettable sulphur 0.4 per cent can be applied in the initial stages of infestation. In the case of very severe infestation, the crop can be protected by spraying 0.05% dimethoate or Spiromesifen 22.9% SC 8 ml per 10 litre or Diafenthuron 50% WP 1.2 g per 10 litre can be sprayed. Rational rotation of pesticides to be followed to avoid resistance development.
Cauliflower	Management	Cover the curd with 3-4 surrounding leaves to prevent discoloration when the curd is half mature stage (blanching).
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.

Farmers can culture the following fishes like red snapper, seabass, pearl spot, mullet, pompano, milk fish etc. in brackish water