



## Agromet Advisory Bulletin for Ernakulam District

(Valid from 04.01.2023 to 08.01.2023)

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

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

Weather parameters	04.01.2023	05.01.2023	06.01.2023	07.01.2023	08.01.2023
Rainfall (mm)	0	0	0	0	0
Maximum temperature (°C)	31	31	31	31	31
Minimum temperature (°C)	22	22	22	22	22
Maximum Relative Humidity (%)	85	85	85	85	85
Minimum Relative Humidity (%)	50	50	50	50	50
Wind speed (kmph)	10	10	10	10	10
Wind direction (deg)	270	270	270	270	270
Total cloud cover (octa)	3	3	2	2	4

### RAINFALL FORECAST FOR NEXT FIVE DAYS

2023 January 04	2023 January 05	2023 January 06	2023 January 07	2023 January 08
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 (Mundakan) Milky stage	Rice bug	There is a chance of rice bug attack in paddy. To control, keep the field and bunds free of weeds and grasses. Avoid over lapping cultivation in an area. Spray fish jaggery extract (20 ml/litre of water) or spray chitin based <i>Pseudomonas fluorescens</i> 20 gram in one litre of water. If the attack was severe, spray Azadirachtin 10 ml or Malathion 2 ml per litre of water. Pesticides application should be done either before 9 am or after 3 pm. Otherwise, the pesticide application will adversely affect the pollination.
	Bacterial Leaf blight	To control the spread of bacterial leaf blight in paddy, spray 6 g of streptomycin in 20 litre of water.
Banana	Spodoptera	If the attack is in the initial stage, the affected leaves should be destroyed along with egg, caterpillar and pupa. 5 % neem kernel suspension should be sprayed.
Chilli	White fly	There is a chance of white fly attack in chilli. Apply 2% neem oil garlic emulsion or spray 20g <i>Lecanicillium lecanii</i> per one litre of water in ten days intervals.

Animal Husbandry- Thoroughly wash udder of cow and hands of milking person before milking using clean water with an added disinfectant, such as 1:1000 potassium permanganate solution.