



Agromet Advisory Bulletin for Ernakulam District

(Valid from 30.7.2022 to 3.8.2022)

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	30.07.2022	31.07.2022	01.08.2022	02.08.2022	03.08.2022
Rainfall (mm)	12	6	8	16	28
Maximum temperature (°C)	30	30	30	31	31
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	90	90	90	90	90
Minimum Relative Humidity (%)	80	80	80	80	80
Wind speed (kmph)	5	5	8	10	12
Wind direction (deg)	270	270	290	320	290
Total cloud cover (octa)	8	6	8	8	8

RAINFALL FORECAST FOR NEXT FIVE DAYS

2022 July 30	2022 July 31	2022 August 01	2022 August 02	2022 August 03
Light rain	Light rain	Light rain	Moderate rain	Moderate Light rain

Weather summary / Alert: Moderate rainfall is expected in the district and heavy rainfall is expected in isolated places. Below normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

C. General and Agrometeorological Advisories for (RRS Vyttila)

Proper drainage facilities have to be ensured. Special crop management is required for agricultural crops during monsoon season. Pesticides should not be applied during rain.

Crop	Pest/ Disease	Crop/ Animal Advisory
Paddy (Pokkali)	Leaf folder	Due to high humidity, there is chance of rice leaf folder incidence. Thoroughly monitor the field and take management actions during the initial stage of infestation itself. Trichocards of <i>Trichogramma japonicum</i> and <i>T. chilonis</i> each @ 1 lakh/ha along with <i>Beauveria bassiana</i> @10 gm/l spray can be done.
Paddy (Virippu)	Bacterial leaf blight	During rainy season, there is chance of bacterial leaf blight infestation in rice. As a prophylactic measure, spray 20 g <i>Pseudomonas</i> in one litre of water.
Coconut	Bud rot	Improve general condition of the palm by manuring and management. Clean the crown and remove rotten portions. Spray crowns and leaves with 1 % Bordeaux mixture as a prophylactic measure. For already infected palms, small perforated sachets containing 5 g Mancozeb may be tied to the top crown portion and 3 or 4 inner most leaf axils.
Vegetables (in nursery)	Thrips	Spray <i>Leccanicilium (Vericilium)</i> 20 g in a litre of water during initial stages of infestation. In infected seedlings, Thiachloprid 21.7 SC 4.5 ml in 10 litre of water can be sprayed.
Fisheries		Fresh water fish Pangasius (Malasian vala or assam vala) can be stocked @ 500 numbers/cent in a pond, as they have the ability to capture oxygen from pond surface.