



Agromet Advisory Bulletin for Ernakulam District

(Valid from 31.07.2024 to 04.08.2024)

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	31.07.2024	01.08.2024	02.08.2024	03.08.2024	04.08.2024
Rainfall (mm)	15	12	15	4	2
Maximum temperature (°C)	28	30	30	30	30
Minimum temperature (°C)	24	25	25	25	25
Maximum Relative Humidity (%)	94	92	93	92	92
Minimum Relative Humidity (%)	86	86	88	86	84
Wind speed (kmph)	5	5	5	4	5
Wind direction (deg)	290	290	270	270	270
Total cloud cover (octa)	8	8	8	8	8

Weather summary / Alert: As per the forecast of IMD, there is a chance of moderate rainfall in the district and heavy rainfall in isolated places. Above normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

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

Special crop management is required for agricultural crops during monsoon season. Proper drainage facilities have to be ensured. If the soil is more acidic, add lime as per soil testing. Pesticides should not be applied during rainy period. Provide supports to banana crops. Make the vegetable pandals stronger. To protect farmers and livestock from lightning and thunder avoid standing in open areas.

Crop	-	Crop/ Animal Advisory
Rice (virippu)	Tillering stage	Paddy plants are likely to be damaged due to waterlogging. Proper drainage facilities have to be ensured.
Banana	All Stages	Proper drainage facilities have to be ensured. Propping should be done to protect banana plants from heavy rain and wind
Coconut	All Stages	Proper drainage facilities have to be ensured. Open the basin of coconut palms to hold rain water. Application of plant protection chemicals can be postponed.
Vegetables	All Stages	Proper drainage facilities have to be provided for vegetables since heavy rains expected. Staking is recommended for vegetables in pandals. Application of plant protection chemicals can be postponed.

Animal Husbandry: Cattle feed should be stored on a wooden board or iron board. If moisture is in the cattle feed it may cause deadly fungal growth. Animals should not be allowed to go to water logged areas in order to avoid anthrax and foot lesions. Since there is a chance of mixing of contaminated water in water resources, apply disinfectants available in the market as per manufacturer's instructions. (CAADECCS, KVASU, Mannuthy)