



Agromet Advisory Bulletin for Ernakulam District

(Valid from 01.01.2025 to 05.01.2025)

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 | 01.01.2025 | 02.01.2025 | 03.01.2025 | 04.01.2025 | 05.01.2025 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 0.2 | 0 | 0 | 0 | 0 |
| Maximum temperature (°C) | 32 | 32 | 32 | 32 | 32 |
| Minimum temperature (°C) | 25 | 25 | 25 | 25 | 25 |
| Maximum Relative Humidity (%) | 87 | 87 | 87 | 87 | 87 |
| Minimum Relative Humidity (%) | 66 | 66 | 66 | 66 | 66 |
| Wind speed (kmph) | 2 | 4 | 2 | 4 | 2 |
| Wind direction (deg) | 250 | 250 | 320 | 270 | 270 |
| Total cloud cover (octa) | 7 | 3 | 4 | 4 | 4 |

Weather summary / Alert: As per the forecast of IMD, there is a chance of very light rainfall in isolated places of the district. Normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

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

General Advisory: - Prophylactic measures can be taken to control and to avoid the spread of crop pest and diseases. 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. As the rain is decreasing proper mulching can be followed to conserve soil moisture.

| Crop | Pest/ Disease, Crop Management | Agromet 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 Diafenthuiuron 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). |

Animal Husbandry: Vaccinate animals against foot and mouth disease and hemorrhagic septicemia. Ensure sufficient supply of clean drinking water to the animals. (CAADECCS, KVASU, Mannuthy).