



Agromet Advisory Bulletin for Ernakulam District

(Valid from 25.09.2024 to 29.09.2024)

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 | 25.09.2024 | 26.09.2024 | 27.09.2024 | 28.09.2024 | 29.09.2024 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 5 | 2 | 1 | 0.5 | 0.3 |
| Maximum temperature (°C) | 31 | 31 | 31 | 31 | 31 |
| Minimum temperature (°C) | 25 | 25 | 25 | 25 | 25 |
| Maximum Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 |
| Minimum Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |
| Wind speed (kmph) | 4 | 4 | 4 | 3 | 3 |
| Wind direction (deg) | 290 | 290 | 290 | 320 | 320 |
| Total cloud cover (octa) | 7 | 4 | 3 | 3 | 2 |

Weather summary / Alert: As per the forecast of IMD, there is a chance of light rainfall in the district. 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.

| Crop | Pest/ Disease, Crop Management | Agromet Advisory |
|---|--------------------------------|--|
| Rice (<i>Virippu</i>) Maturity stage | Rice bug | There is a chance of appearance of rice bug in paddy. To control spray fish jaggery extract (20 ml per litre of water) or spray chitin based <i>Pseudomonas fluorescens</i> 20 gram in one litre of water. If the attack is severe, spray Azadirachtin 10 ml or Malathion 2 ml per litre of water. |
| Rice (<i>Mundakan</i>) | Land preparation | Apply lime during land preparation. Seed treatment with <i>pseudomonas</i> can be done before sowing. (10 gram of <i>pseudomonas</i> for one kg of paddy seeds). |
| Banana | Sigatoka leaf spot disease | As a prophylactic measure to sigatoka leaf spot disease, spray 20g of <i>pseudomonas</i> in one litre of water. If sigatoka attack is seen, spray one milli litre hexaconazole or one milli litre propiconazole per one litre of water on both the surface of the leaf. |
| Pepper | Pollu disease | During high humidity, there is a chance of pollu disease in pepper plants. Control the shade in the garden and spray with 1% Bordeaux mixture. |

Animal Husbandry: - If leg lameness or fever was observed in cattle, medical attention should be given immediately. 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. (CAAECCS, KVASU, Mannuthy).