



## Agromet Advisory Bulletin for Ernakulam District

(Valid from 12.02.2025 to 16.02.2025)

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            | 12.02.2025 | 13.02.2025 | 14.02.2025 | 15.02.2025 | 16.02.2025 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)                 | 0          | 0          | 0          | 0          | 0          |
| Maximum temperature (°C)      | 32         | 32         | 32         | 32         | 32         |
| Minimum temperature (°C)      | 25         | 25         | 25         | 25         | 25         |
| Maximum Relative Humidity (%) | 78         | 78         | 78         | 78         | 78         |
| Minimum Relative Humidity (%) | 52         | 52         | 52         | 52         | 52         |
| Wind speed (kmph)             | 2          | 2          | 4          | 4          | 2          |
| Wind direction (deg)          | 110        | 270        | 250        | 270        | 250        |
| Total cloud cover (octa)      | 2          | 2          | 3          | 2          | 2          |

**Weather summary / Alert:** - Since dry weather condition is prevails, irrigation of crops can be continued as per requirement. Below 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. Proper mulching can be followed to conserve soil moisture.

| Crop                          | Pest/ Disease, Crop Management | Agromet Advisory  |
|-------------------------------|--------------------------------|---|
| Rice – Active tillering stage | 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.   |
| Banana & Coconut              | Irrigation                     | Since dry weather condition is prevailed, irrigate Banana and Coconut. Give 40 to 50 liter water for a coconut palm and 40 liter water for a banana plant. Ensure that there is enough moisture in the soil   |
| Amaranthus                    | Leaf blight                    | Intercrop red and green varieties, seed treatment with <i>Trichoderma</i> or <i>Pseudomonas</i> , restrict irrigation to the basin, dissolve 20 g cow dung in one litre of water and spray supernatant liquid by mixing with 20 g <i>Pseudomonas</i> with the onset of initial symptoms itself, foliar spray and soil drenching with Turmeric powder (5 g) + baking soda (1 g) mixture in one litre water at 7-8 days interval is also recommended for its control. |
| Apiculture                    | Management                     | Copious flow of extra floral nectar available on rubber trees during January-April can be exploited by shifting bee colonies to these plantations during this period.   |

**Animal Husbandry:** Ensure sufficient supply of clean drinking water to the animals. Allow the animal to graze early in the morning or in the evening to avoid direct sunlight. It is better to graze in the evening itself. (CAADECCS, KVASU, Mannuthy).