



Agromet Advisory Bulletin for PALAKKAD District

(Valid from 25.12.2024 to 29.12.2024)

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 | 25.12.2024 | 26.12.2024 | 27.12.2024 | 28.12.2024 | 29.12.2024 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 0.1 | 0 | 2 | 0.6 | 0 |
| Maximum temperature (°C) | 34 | 34 | 34 | 34 | 34 |
| Minimum temperature (°C) | 22 | 22 | 23 | 23 | 23 |
| Maximum Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 |
| Minimum Relative Humidity (%) | 55 | 55 | 55 | 55 | 55 |
| Wind speed (kmph) | 5 | 5 | 4 | 6 | 5 |
| Wind direction (deg) | 270 | 290 | 50 | 90 | 50 |
| Total cloud cover (octa) | 3 | 2 | 5 | 3 | 1 |

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

General and Agrometeorological Advisories for Thrissur District

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 (Mundakan) Panicle Emergence stage | Bacterial Leaf blight | To control and prevent Bacterial Leaf blight in paddy, dissolve 20 g of cow dung in one liter of water and spray the supernatant liquid by mixing with 20g of pseudomonas. If the attack is severe spray 6 g of Streptocycline in 30 liter of water. |
| | Leaf folder | There is a chance of Leaf folder attack in Mundakan Paddy. It can be controlled by using trichogramma cards (2CC per one acre). Cut the cards in to small pieces and fix in different regions of the field. If the attack is severe, spray Tetraniliprole @ 6 ml per ten litre of water. |
| | Sheath Blight | To control sheath blight disease in rice, spray 4 gram of Trifloxystrobin + Tebuconazole mixture in ten litres of water. |
| Banana | Calcium Boron Deficiency | To control leaf curling in banana, due to calcium deficiency, apply 250g lime per banana plant. Boron deficiency is seen more during dry weather. Spray one gram borax per one litre of water. |
| Pepper | Wilt diseases | As a prophylactic measure to control wilt diseases of pepper, add 2 kg Trichoderma to a mixture of 90 kg FYM and 10 kg neem cake and kept for two weeks with sufficient moisture and add 2.5 kg to the base of each matured pepper vine |

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