



Agromet Advisory Bulletin for Ernakulam District

(Valid from 14.09.2024 to 18.09.2024)

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

AAS Bulletin No: 37/2024, (74) Friday

Dated 13.09.2024

A Medium range weather forecast of IMD for next five days

| Weather parameters | 14.09.2024 | 15.09.2024 | 16.09.2024 | 17.09.2024 | 18.09.2024 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 1 | 2 | 0.1 | 2 | 0.3 |
| Maximum temperature (°C) | 31 | 32 | 32 | 32 | 32 |
| Minimum temperature (°C) | 26 | 25 | 25 | 25 | 25 |
| Maximum Relative Humidity (%) | 82 | 82 | 82 | 88 | 88 |
| Minimum Relative Humidity (%) | 70 | 70 | 70 | 76 | 76 |
| Wind speed (kmph) | 3 | 3 | 4 | 4 | 3 |
| Wind direction (deg) | 290 | 290 | 290 | 320 | 320 |
| Total cloud cover (octa) | 4 | 4 | 3 | 4 | 3 |

Weather summary / Alert: As per the forecast of IMD, there is a chance of light rainfall in the district. Below 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 |
|-----------------|-----------------------|---|
| Paddy (Pokkali) | Stem borer | Release of egg parasitoids Trichogramma japonicum (5cc / Ha) at weekly intervals from 15-30 days after transplantation immediately after noticing stem borer activity. |
| Paddy (Virippu) | Rice bug | Fish amino acid @ 20 ml /L water or Azadirachtin (3000 ppm) 10 ml / L water can be sprayed. Farmers those who cultivates for second crop can initiate preparations for nurse. |
| Coconut | Bud rot | Ensure drainage. Prophylactic management practices against bud rot to be taken |
| Ginger | Soft rot & stem borer | Spray Beauveria bassiana and Pseudomonas @ 20g in a litre of water in alternate weeks |

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. Care should be taken to prevent rat breeding in the premises of cattle shed to prevent leptospirosis. (CAADECCS, KVASU, Mannuthy).