



Agromet Advisory Bulletin for Ernakulam District

(Valid from 20.11.2024 to 24.11.2024)

*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 | 20.11.2024 | 21.11.2024 | 22.11.2024 | 23.11.2024 | 24.11.2024 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 3 | 3 | 1 | 0.1 | 0.2 |
| Maximum temperature (°C) | 33 | 33 | 33 | 33 | 33 |
| Minimum temperature (°C) | 25 | 25 | 25 | 25 | 25 |
| Maximum Relative Humidity (%) | 86 | 86 | 86 | 86 | 86 |
| Minimum Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |
| Wind speed (kmph) | 2 | 2 | 2 | 3 | 3 |
| Wind direction (deg) | 320 | 320 | 290 | 290 | 290 |
| Total cloud cover (octa) | 4 | 5 | 4 | 4 | 3 |

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)

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

| Crop | Pest/ Disease, Crop Management | Agromet Advisory |
|----------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rice (Mundakan) Tillering stage) | Sheath rot and sheath blight | Spray Hexaconazole 5EC 1.5 ml per litre after draining the field |
| Turmeric/Ginger | Leaf blight & blotch | Spray and drench Carbendazim + Mancozeb 2g per litre of water or Mancozeb 3g per litre or 1% Bordeaux mixture. Rotation of crops to be followed strictly. Avoid using rhizomes of diseased plants as seeds. Seed rhizomes to be dipped in Bordeaux mixture for half an hour, drain in shade before storing for seed purpose. |
| Tree crops | Pink disease | Drench and spray Hexaconazole 5EC 2ml per litre. After the rain subsides, cut the affected branches or swab 10% Bordeaux paste or Copper oxy chloride (10g per litre). |
| Banana | Rhizome rot | There is a chance of Rhizome rot in banana. As a prophylactic measure, drench the basin with 3 litre of pseudomonas solution (20g per one liter of water). |
| Chilli | Thrips | There is a chance of thrips attack in chilli. Apply 2% neem oil+ garlic emulsion under the leaf surface at 10 days intervals. If the attack is severe, apply spiromecifen 8 ml per ten litre of water. |

Animal Husbandry: - Vaccinate animals against foot and mouth disease and hemorrhagic septicemia. If needed give medicine against worm infestation after dung examination. (CAADECCS, KVASU, Mannuthy).