



Agromet Advisory Bulletin for PALAKKAD District

(Valid from 11.09.2024 to 15.09.2024)

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, (73) Tuesday

Dated 10.09.2024

A. Medium range weather forecast of IMD for next five days

| Weather parameters | 11.09.2024 | 12.09.2024 | 13.09.2024 | 14.09.2024 | 15.09.2024 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 20 | 10 | 9 | 10 | 5 |
| Maximum temperature (°C) | 30 | 33 | 33 | 33 | 33 |
| Minimum temperature (°C) | 25 | 25 | 25 | 25 | 25 |
| Maximum Relative Humidity (%) | 92 | 88 | 88 | 88 | 86 |
| Minimum Relative Humidity (%) | 80 | 76 | 76 | 76 | 74 |
| Wind speed (kmph) | 7 | 7 | 6 | 6 | 6 |
| Wind direction (deg) | 270 | 270 | 290 | 290 | 290 |
| Total cloud cover (octa) | 7 | 5 | 4 | 4 | 3 |

Weather summary / Alert: As per the forecast of IMD, there is a chance of moderate rainfall in isolated places of the district. Normal to above normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

C. General and Agro meteorological Advisories

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 | Pest/ Disease | Crop/ Animal Advisory |
|-------------------------------|-------------------------|--|
| Rice (virippu) Milky stage | Brown Plant Hopper(BPH) | There is a chance of brown plant hopper attack in rice. Spray 2 gram Thiamethoxam per ten litre of water. |
| Rice (Mundakan) | Land preparation | Land preparations for mundakan paddy have started. Apply lime during nursery preparation. Seed treatment with pseudomonas can be done before sowing. (10 gram of pseudomonas for one kg of paddy seeds.) |
| Coconut | Bud rot | To control the Bud rot in coconut, chisel out the affected area and apply 10% Bordeaux paste. Care should be taken to protect the affected area from heavy rain. |
| Ginger | Stem borer | There is a chance of stem borer in ginger. Spray 20 g <i>Beauveria</i> per one litre of water to control stem borer. |
| Cucurbitaceous Vegetables | Downy mildew | There is a chance of downy mildew attack in cucurbitaceous vegetables. Spray 2.5gm Mancozeb per one litre of water under the leaves. |

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).