



Agromet Advisory Bulletin for Ernakulam District

(Valid from 08.11.2023 to 12.11.2023)

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 | 08.11.2023 | 09.11.2023 | 10.11.2023 | 11.11.2023 | 12.11.2023 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 5 | 2 | 2 | 2 | 2 |
| Maximum temperature (°C) | 31 | 31 | 31 | 31 | 32 |
| Minimum temperature (°C) | 25 | 25 | 25 | 25 | 25 |
| Maximum Relative Humidity (%) | 96 | 94 | 94 | 94 | 94 |
| Minimum Relative Humidity (%) | 78 | 72 | 72 | 72 | 72 |
| Wind speed (kmph) | 2 | 2 | 2 | 2 | 2 |
| Wind direction (deg) | 320 | 320 | 270 | 230 | 270 |
| Total cloud cover (octa) | 8 | 8 | 8 | 8 | 8 |

Weather summary / Alert: As per the forecast of IMD, there is a chance of moderate rainfall in isolated places of 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. Proper mulching can be followed to conserve soil moisture.

| Crop | Pest/ Disease | Crop/ Animal Advisory |
|---------------------------------|---------------|---|
| Paddy (Pokkali) | Management | Measures for dewatering of excess water to be done. Reflective ribbons can be tied up above the crop canopy to ward off purple moorhens' damage. |
| Paddy (Mundakan) Seedling stage | Management | As a prophylactic measure to manage sheath blight, leaf spot, bacterial leaf blight etc., spray 20g <i>Pseudomonas</i> in a litre of water |
| Cucurbitaceous Vegetables | Downy mildew | Due to high relative humidity, there is a chance of downy mildew attack in cucurbitaceous vegetables. Spray 2.5gm Mancozeb per one litre of water under the leaves. |
| Banana | Management | Basins and channels for irrigations can be prepared. Amaranthus, cowpea, ginger, turmeric etc. can be raised as intercrops. |

Fisheries: - Due to frequent rainfall, fish pond water level may increase in coming days. So farmers to take necessary steps to prevent the escape of fishes like fencing the fish pond by net.