



## Agromet Advisory Bulletin for Ernakulam District

(Valid from 15.05.2024 to 19.05.2024)

*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            | 15.05.2024 | 16.05. 2024 | 17.05.2024 | 18.05. 2024 | 19.05.2024 |
|-------------------------------|------------|-------------|------------|-------------|------------|
| Rainfall (mm)                 | 3          | 1           | 0.5        | 2           | 3          |
| Maximum temperature (°C )     | 33         | 33          | 33         | 33          | 33         |
| Minimum temperature (°C )     | 26         | 26          | 26         | 26          | 26         |
| Maximum Relative Humidity (%) | 95         | 95          | 95         | 95          | 95         |
| Minimum Relative Humidity (%) | 61         | 61          | 61         | 61          | 61         |
| Wind speed (kmph)             | 4          | 2           | 4          | 2           | 2          |
| Wind direction (deg)          | 270        | 230         | 250        | 250         | 270        |
| Total cloud cover (octa)      | 8          | 8           | 8          | 8           | 8          |

**Weather summary / Alert:** As per the forecast of IMD, there is a chance of light rainfall in the district and Moderate rainfall is expected in isolated places. Above normal rainfall is expected in Kerala.

### B. Agrometeorological Advisories for crop protection & management

#### C. General and Agrometeorological Advisories for Ernakulum District (RRS Vyttila)

The following are immediate steps to be followed to protect people, plants, and birds from the summer heat. Drink plenty of clean water from time to time to prevent dehydration. Avoid going out in hot weather to get rid of sunburn while going. Try to use a hat or an umbrella to prevent direct sunlight. Since dry and hot weather is prevailed, crops can be irrigated to ensure adequate soil moisture. Crops should not be irrigated during strong sunlight. Drip irrigation can reduce water loss to some extent.

| Crop               | Pest/ Disease | Crop/ Animal Advisory  |
|--------------------|---------------|--|
| Rice (Pokkali)     | Management    | After strengthening the outer bunds, setting the sluices and drying the field, farmers can start preparing mounds and seeds can also be procured.  |
| Coconut & Arecanut | -             | Pits can be taken for planting seedlings of coconut and arecanut.  |
| Ginger, Turmeric   | Planting time | While preparing land for ginger and turmeric cultivations, apply 2 to 3 kg lime per cent. As a prophylactic measure against rhizome rot disease, the ginger and turmeric rhizome should be soaked in the 0.3 percent mancozeb or pseudomonas solution (3 gram per one liter of water) for 30 minutes. Moreover 90 kg FYM mixed with one kg Trichoderma and kept under shade for two weeks with sufficient moisture and can be applied. |

**Animal Husbandry:** - Deworm the animals after dung examination. Care should be taken to prevent rat breeding in the premises of cattle shed to prevent leptospirosis. Keep away livestock from open fields to avoid lightning and thunder. (CAADECCS, KVASU, Mannuthy).