



## Agromet Advisory Bulletin for Ernakulam District

(Valid from 14.5.2022 to 18.5.2022)

*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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dated 13.5.2022

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

#### RAINFALL FORECAST FOR NEXT FIVE DAYS

| Weather parameters            | 14.5.2022     | 15.5.2022     | 16.5.2022   | 17.5.2022   | 18.5.2022 |
|-------------------------------|---------------|---------------|-------------|-------------|-----------|
| Rainfall (mm)                 | 15            | 20            | 20          | 7           | 5         |
| Maximum temperature (°C)      | 30            | 31            | 32          | 33          | 33        |
| Minimum temperature (°C)      | 24            | 25            | 26          | 27          | 27        |
| Maximum Relative Humidity (%) | 90            | 90            | 90          | 90          | 90        |
| Minimum Relative Humidity (%) | 85            | 85            | 85          | 85          | 85        |
| Wind speed (kmph)             | 8             | 10            | 8           | 4           | 4         |
| Wind direction (deg)          | 270           | 270           | 270         | 270         | 270       |
| Total cloud cover (octa)      | 7             | 8             | 8           | 8           | 7         |
| 2022 May 14                   | 2022 May 15   | 2022 May 16   | 2022 May 17 | 2022 May 18 |           |
| Light rain                    | Moderate rain | Moderate rain | Light rain  | Light rain  |           |

**Weather summary / Alert:** Moderate rainfall is expected in the district and heavy rainfall is expected in isolated places. Above normal rainfall is expected in Kerala.

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

Ensure drainage facilities in low land. Proper mulching can be followed to conserve soil moisture.

#### C. General and Agrometeorological Advisories for Ernakulam District

| Crop            | Pest/ Disease | Crop/ Animal Advisory(RRS Vyttila)   |
|-----------------|---------------|--|
| Paddy (Pokkali) | Management    | It is time to commence field operations in pokkali fields. Strengthen the outer bunds. During low tide, water has to be drained out of the field and let it dry. Close the shutters of the sluice after that. Take mounds of 1 m diameter and 0.5 m height after drying the field and leave it as such for the soil to get dry and powdered. |
| Coconut         | Leaf rot      | Improve general condition of the palm by manuring and management. Clean the crown and remove rotten portions. Spray crowns and leaves with 1 % Bordeaux mixture, Mancozeb 75 WP 3g per litre water, Copper Oxy Chloride 50 WP 3g per litre.  |
| Banana          | Management    | Apply last dose of fertilizer along with earthing up before bunch emergence. Propping of plants also recommended.  |
| Mango           | Fruit flies   | Destroy all fallen fruits at weekly intervals. Install six methyl eugenol plywood traps (pheromone traps) per acre. Plough the soil at the tree basin at frequent intervals.   |
| Fisheries       |               | It is the right time to prepare ponds for fish farming. Drain the pond and apply lime. Apply tea seed cake or mahua oil cake in ponds where draining is difficult to eradicate weed fishes.  |