



## Agromet Advisory Bulletin for Ernakulam District

(Valid from 07.12.2022 to 11.12.2022)

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

| Weather parameters            | 07.12.2022 | 08.12.2022 | 09.12.2022 | 10.12.2022 | 11.12.2022 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)                 | 0.1        | 0.1        | 2          | 0.1        | 0.1        |
| Maximum temperature (°C )     | 32         | 32         | 32         | 32         | 32         |
| Minimum temperature (°C )     | 24         | 24         | 24         | 24         | 24         |
| Maximum Relative Humidity (%) | 89         | 89         | 89         | 89         | 89         |
| Minimum Relative Humidity (%) | 75         | 75         | 75         | 75         | 75         |
| Wind speed (kmph)             | 4          | 6          | 8          | 8          | 5          |
| Wind direction (deg)          | 270        | 340        | 270        | 340        | 340        |
| Total cloud cover (octa)      | 4          | 3          | 8          | 5          | 3          |

### RAINFALL FORECAST FOR NEXT FIVE DAYS

| 2022 December 07 | 2022 December 08 | 2022 December 09 | 2022 December 10 | 2022 December 11 |
|------------------|------------------|------------------|------------------|------------------|
| Very light rain  | Very light rain  | Very light rain  | Very light rain  | Very light rain  |

Weather summary / Alert: Light rainfall is expected in the district. Normal rainfall is expected in Kerala.

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

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

Since there is a chance of dry weather condition due to strong wind and high evaporation, crops should be irrigated, when required. Since the wind speed may increase, give strong propping to banana and staking to vegetables.

| Crop           | Pest/ Disease                       | Crop/ Animal Advisory  |
|----------------|-------------------------------------|--|
| Rice (General) | Bacterial Leaf blight               | Dissolve 20 g cow dung in one litre of water and spray supernatant liquid by mixing with 20 g <i>Pseudomonas</i> in one litre of water.  |
| Coconut        | Rhinoceros beetle / Red Palm weevil | Field sanitation; top most three leaf axils may be filled with 25g neem cake and 200g sand mixture or naphthalene balls and sand as a prophylactic measure and repeat this procedure 45 days interval; Crown cleaning followed by the application of 20g cartap hydrochloride 4G/ Fipronil 0.3G / Carbosulphan 6G mixed with 200g sand on top three leaf axils; <b>mist net balls</b> can be inserted around leaf spindles.  |
| Various crops  | Caterpillars                        | Neem seed kernel extract 5% (Grind 50g Neem seed kernel to coarse powder, put in muslin cloth bag, keep immersed in 1 L water overnight. Thereafter, squeeze the cloth bag by dipping in water repeatedly till the water coming out from cloth bag becomes clear); <i>Beauveria bassiana</i> 20g per liter can be sprayed; Chlorantranilipole 18.5 SC 3ml / 10 liter water can be sprayed. If the hairy caterpillars are spreading to homesteads, Cypermethrin 1 ml per litre along with a sticker can be applied. |

Fish farming- Carp varieties like Catla, Rohu, Mrigal, Grass carp, Silver carp and Common carp and fishes like Varal, Kari, Pangasius and Tilapia can be suitable species for fresh water fish culture.