



Agromet Advisory Bulletin for Ernakulam District

(Valid from 29.11.2023 to 03.12.2023)

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 | 29.11.2023 | 30.11.2023 | 01.12.2023 | 02.12.2023 | 03.12.2023 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 1 | 3 | 4 | 5 | 12 |
| Maximum temperature (°C) | 32 | 33 | 33 | 33 | 33 |
| Minimum temperature (°C) | 26 | 25 | 25 | 26 | 25 |
| Maximum Relative Humidity (%) | 78 | 86 | 88 | 88 | 91 |
| Minimum Relative Humidity (%) | 59 | 68 | 72 | 72 | 76 |
| Wind speed (kmph) | 4 | 2 | 2 | 2 | 2 |
| Wind direction (deg) | 270 | 250 | 230 | 250 | 270 |
| Total cloud cover (octa) | 7 | 8 | 8 | 8 | 8 |

Weather summary / Alert: As per the forecast of IMD, there is a chance of light rainfall in 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)

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. Proper mulching can be followed to conserve soil moisture.

| Crop | Pest/ Disease | Crop/ Animal Advisory |
|-------------------------------------|-------------------------------|--|
| Paddy (Pokkali) | | Harvesting stage |
| Paddy (Mundakan) Tillering stage | Leaf folder | Trim the bunds and remove grassy weeds. Release of <i>Trichogramma chilonis</i> (5 cc / Ha) when moth activity is noticed. Set up light trap to monitor the moth population. |
| Ginger | Fusarium yellows (Bellakkedu) | Remove and destroy the infected plants and drench the beds with cheshunt compound or 1.0 per cent Bordeaux mixture or 0.3 per cent mancozeb. |
| Various crops | Scale insects | <i>Leccanicilium</i> (<i>Verticilium</i>) can be sprayed at the rate of 20 g in a litre of water ; 2% Neem oil emulsion can be sprayed |
| Cool season vegetables | Management | First dose of fertilizers can be applied seven days after transplantation. 650g urea, 2Kg Rajphos, 415g MOP can be applied for one cent. After one month apply 650g urea and 415g MOP. |

Fisheries: - 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.