



Agromet Advisory Bulletin for Ernakulam District

(Valid from 13.01.2024 to 17.01.2024)

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 | 13.01.2024 | 14.01.2024 | 15.01.2024 | 16.01.2024 | 17.01.2024 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Maximum temperature (°C) | 33 | 32 | 32 | 32 | 32 |
| Minimum temperature (°C) | 26 | 26 | 26 | 26 | 26 |
| Maximum Relative Humidity (%) | 84 | 84 | 84 | 84 | 84 |
| Minimum Relative Humidity (%) | 57 | 57 | 57 | 57 | 57 |
| Wind speed (kmph) | 4 | 2 | 4 | 4 | 4 |
| Wind direction (deg) | 290 | 250 | 270 | 250 | 250 |
| Total cloud cover (octa) | 4 | 4 | 5 | 6 | 6 |

Weather summary / Alert: Since dry weather condition is prevailed, irrigation of crops can be continued as per requirement. Below 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 |
|--------------------------------------|-----------------------|--|
| Rice (Mundakan) Maturity stage | Bacterial Leaf Blight | To control and prevent Bacterial Leaf blight in paddy, dissolve 20 g of cow dung in one liter of water and spray the supernatant liquid by mixing with 20g of pseudomonas in one liter of water. If the attack is severe spray 6 g of Streptocycline in 30 liter of water. |
| Banana | Boron Deficiency | Boron deficiency is seen more during dry weather. Spray one gram borax per one litre of water. |
| Pepper | Pollu disease | During high humidity, there is a chance of Pollu disease in pepper plants. Control the shade in the garden and spray with 1% Bordeaux mixture. Also, carbentazim and mancozeb can be mixed and sprayed at the rate of one gram per liter of water. |
| Fisheries | Management | Farmers can culture the following fishes like red snapper, seabass, pearl spot, mullet, pompano, milk fish etc. in brackish water |