



Agromet Advisory Bulletin for Ernakulam District

(Valid from 28.02.2024 to 03.03.2024)

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

AAS Bulletin No: 09/2024, (17) Tuesday

Dated 27.02.2024

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

| Weather parameters | 28.02.2024 | 29.02.2024 | 01.03.2024 | 02.03.2024 | 03.03.2024 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Maximum temperature (°C) | 35 | 35 | 35 | 33 | 33 |
| Minimum temperature (°C) | 26 | 26 | 26 | 25 | 25 |
| Maximum Relative Humidity (%) | 87 | 87 | 87 | 87 | 87 |
| Minimum Relative Humidity (%) | 61 | 61 | 61 | 61 | 61 |
| Wind speed (kmph) | 3 | 4 | 3 | 2 | 4 |
| Wind direction (deg) | 290 | 200 | 270 | 250 | 270 |
| Total cloud cover (octa) | 3 | 3 | 3 | 0 | 3 |

Weather summary / Alert: Maximum temperatures are very likely to be around 37°C in Ernakulam district during 27.02.2024 to 29.02.2024.

B. Agrometeorological Advisories for crop protection & management

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

The following are immediate steps to be followed to protect farmers, 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 (Mundakan) Maturity stage | Brown Plant Hopper (BPH) | During high temperature, there is a chance of brown plant hopper attack in rice. Spray 2 gram Thiamethoxam per ten litre of water. |
| Banana | - | Due to potassium deficiency, banana leaves become yellow from outer edges to inwards and dries up and breaks off. As a remedy, potash-rich fertilizers can be applied. |
| Chilly | Mite | Since dry weather condition is prevailed, there is a chance of mites attack in chilly. Apply Spiromesifen 8 ml/10 L of water. |

Animal Husbandry: - Pets, domestic animals and birds should be provided with adequate drinking water and should be protected from the solar radiation. Adequate ventilation should be arranged in their living space. Do not let the cattle graze during hot weather. (CAADECCS, KVASU, Mannuthy).