



Agromet Advisory Bulletin for Thrissur District

(Valid from 28.12.2022 to 01.01.2023)

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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dated 27.12.2022

A. Significant weather for the preceding week at vellanikkara

| Rainfall (mm) | Maximum Temp.(°C) | Minimum Temp.(°C) | RH FN (%) | RH AN (%) | Wind speed (Km/h) | Sun shine hours | Evap. (mm) |
|---------------|-------------------|-------------------|-----------|-----------|-------------------|-----------------|------------|
| (0.8) | (31.9-33.7) | (18.6-24.5) | (57-94) | (26-63) | (1.1-4.9) | (3.4-9.6) | 2.6-5.5 |

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

| Weather parameters | 28.12.2022 | 29.12.2022 | 30.12.2022 | 31.12.2022 | 01.01.2023 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 5 | 0.3 | 0 | 0 | 0 |
| Maximum temperature (°C) | 33 | 33 | 33 | 33 | 33 |
| Minimum temperature (°C) | 25 | 24 | 24 | 24 | 24 |
| Maximum Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 |
| Minimum Relative Humidity (%) | 50 | 50 | 50 | 50 | 50 |
| Wind speed (kmph) | 8 | 8 | 6 | 5 | 5 |
| Wind direction (deg) | 200 | 250 | 230 | 90 | 250 |
| Total cloud cover (octa) | 8 | 8 | 5 | 6 | 5 |

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

RAINFALL FORECAST FOR NEXT FIVE DAYS

| 2022 December 28 | 2022 December 29 | 2022 December 30 | 2022 December 31 | 2023 January 01 |
|------------------|------------------|------------------|------------------|-----------------|
| Light rain | Very light rain | No rain | No rain | No rain |

C. General and Agrometeorological Advisories for Thrissur District

Prophylactic measures to control crop pest & diseases can be taken to avoid their spread. 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 (Mundakan) Panicle emergence stage | Sheath Blight | To control sheath blight disease in rice, spray 4 gram of (Trifloxystrobin + Tebuconazole) mixture in ten litres of water. |
| Banana | Calcium Boron Deficiency | To control leaf curling in banana, due to calcium deficiency, apply 250g lime per banana plant. Boron deficiency is seen more during dry weather. Spray one gram borax per one litre of water. |
| Pepper | Slow wilt | To control the slow wilt disease in pepper, apply 1 to 2 kg neem cake at the base of pepper plants. Also apply 25 grams of the bio control agent <i>Pisilomyces lilacinus</i> at the base of each plant. If the attack is severe drench the basin of each plant with three gram Copper Oxy Chloride (COC) per one litre of water. |

Animal Husbandry- Care should be taken to avoid ecto-parasitic infestation. Ensure sufficient supply of clean drinking water to the animals. (CAADECCS, KVASU, Mannuthy).