



## Agromet Advisory Bulletin for Thrissur District

(Valid from 17.8.2022 to 21.08.2022)

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

AAS Bulletin No: 33/2022, (65) Tuesday

dated 16.8.2022

### 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) |
|---------------|-------------------|-------------------|-----------|-----------|-------------------|-----------------|------------|
| (40.2)        | (29.4-31.9)       | (22.7-24.4)       | (92-98)   | (57-78)   | (1.8-4.6)         | (1.3-9.2)       | (2.0-3.7)  |

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

| Weather parameters            | 17.08.2022 | 18.08.2022 | 19.08.2022 | 20.08.2022 | 21.08.2022 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm)                 | 0.1        | 1          | 0.5        | 1          | 0.4        |
| Maximum temperature (°C)      | 32         | 31         | 31         | 30         | 30         |
| Minimum temperature (°C)      | 24         | 23         | 24         | 24         | 24         |
| Maximum Relative Humidity (%) | 92         | 92         | 92         | 92         | 92         |
| Minimum Relative Humidity (%) | 60         | 60         | 60         | 60         | 60         |
| Wind speed (kmph)             | 6          | 8          | 6          | 10         | 8          |
| Wind direction (deg)          | 270        | 270        | 270        | 270        | 290        |
| Total cloud cover (octa)      | 5          | 6          | 6          | 6          | 6          |

**Weather summary / Alert:** Very light rainfall is expected in the district. Below normal rainfall is expected in Kerala.

### RAINFALL FORECAST FOR NEXT FIVE DAYS

| 2022 August 17  | 2022 August 18  | 2022 August 19  | 2022 August 20  | 2022 August 21  |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| Very Light rain | Very Light rain | Very Light rain | Very Light rain | Very Light rain |

### C. General and Agrometeorological Advisories for Thrissur District

Since rainfall is reduced, crop protection measures such as application of fertilizers and pesticides can be adopted for the crops. Copra and arecanut can be sun dried.

| Crop                               | Pest/ Disease | Crop/ Animal Advisory  |
|------------------------------------|---------------|--|
| Paddy (virippu)<br>Tillering stage | Management    | In order to reduce the micronutrient deficiency in paddy, spray 10 grams of sampoorana mixture of paddy in one liter of water. Sampoorana mixture of paddy is available at the Kerala Agricultural University and it contains micro nutrients like magnesium, sulphur, boron, zinc, copper, iron, manganese and molybdenum. Fertilizers like 20 kg of urea and 10 to 12 kg of potash per acre can be applied for short duration and medium duration varieties. |
| Banana                             | Rhizome rot   | Banana is prone to rhizome rot due to continuous rainfall. As a preventive measure, mix 20 grams of Pseudomonas in one liter of water and drench each banana basin with three liters of pseudomonas solution.  |
| Pepper                             | Foot rot      | There is a chance of foot rot disease in pepper due to high humidity caused by continuous rainfall. As a prophylactic measure, spray 1% Bordeaux mixture. As a precaution 2.5 to 3 grams of copper oxy chloride per one litre of water can be drenched at the basin for 3 to 5 times.  |
| Ginger                             | Stem borer    | There is a chance of stem borer in ginger. Spray 20 g of Beauveria per one litre of water to control stem borer.   |

Animal Husbandry- Deworming of animals should be done only after dung sample examination. In calves first dose of deworming medicine can be given within 15 days of age. (CAADECCS, KVASU, Mannuthy).