



## Agromet Advisory Bulletin for Thrissur District

(Valid from 17.04.2024 to 21.04.2024)

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: 16/2024, (31) Tuesday

Dated 16.04.2024

| Observed weather during last week (Dated 10 <sup>th</sup> April 2024 to 16 <sup>th</sup> April 2024) |                  |        |        |   |                  |        | Weather Parameters                     |          | Weather Forecast Valid for 17 <sup>th</sup> April to 21 <sup>th</sup> April 2024 |          |          |          |          |
|--|------------------|--------|--------|---|------------------|--------|--|----------|--|----------|----------|----------|----------|
| 10/04  | 11/04            | 12/04  | 13/04  | 14/04                                       | 15/04            | 16/04  | Date                                   |          | 17/04  | 18/04    | 19/04    | 20/04    | 21/04    |
| 0.0  | 0.0              | 0.0    | 7.3    | 0.0   | 0.0              | 0.0    | Rainfall (mm)                          |          | 0  | 0        | 0.1      | 2        | 4        |
| 39.8   | 40.3             | 39.6   | 39.1   | 38.5  | 39.1             | 39.7   | T <sub>max</sub> (°C)                  |          | 40   | 40       | 39       | 38       | 38       |
| 27.4   | 27.6             | 26.9   | 23.1   | 26.8  | 25.4             | 27.5   | T <sub>min</sub> (°C)                  |          | 28   | 28       | 27       | 27       | 27       |
| Partially cloudy   | Cloudy           | Cloudy | Cloudy | Partially cloudy                            | Partially cloudy | Cloudy | AM                                     | Overcast | Cloudy   | Overcast | Overcast | Overcast | Overcast |
| Partially cloudy   | Partially cloudy | Cloudy | Cloudy | Partially cloudy                            | Partially cloudy |        | PM                                     |          |  |          |          |          |          |
| 83   | 88               | 85     | 94     | 85  | 68               | 89     | RH-I (%)                               |          | 73   | 73       | 73       | 73       | 73       |
| 27   | 34               | 42     | 35     | 31  | 30               |        | RH-II (%)                              |          | 54   | 54       | 54       | 54       | 54       |
| 2.3  | 3.3              | 2.8    | 4.0    | 2.6   | 3.3              | 3.7    | Wind Speed (km/hr.)                    |          | 2  | 3        | 3        | 3        | 4        |
| NNE  | ENE              | C      | C      | C   | NNE              | C      | AM                                     | WSW      | SW   | WSW      | W        | W        | WSW      |
| NNE  | SW               | ESE    | NNE    | ENE   | SE               |        | PM                                     |          |  |          |          |          |          |
| Rainfall (mm) in last week   |                  |        |        | Rainfall (mm) from 01/01/2024 to till dated |                  |        | Rainfall (mm) from 01/03/2024 to today |          |  |          |          |          |          |
| 7.3  |                  |        |        | 139.5                                       |                  |        | 7.3                                    |          |  |          |          |          |          |

Weather summary / Alert: Maximum temperatures are very likely to be around 40°C in Thrissur district on 16<sup>th</sup> & 17<sup>th</sup> April 2024.

SMS: As per the forecast of IMD, there is a chance of light rainfall in isolated places of the district. Normal rainfall is expected in Kerala.

### General and Agrometeorological Advisories for Thrissur District

The following are immediate steps to be followed to protect people, 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  |
|------------------------------|---------------|--|
| Puncha rice (Maturity stage) | Rice bug      | There is a chance of rice bug attack in paddy. To control, spray Malathion 2 ml per litre of water. Pesticides application should be done either before 9 am or after 3 pm. Otherwise, the pesticide application will adversely affect the pollination |
| Coconut                      | -             | During the beginning of southwest monsoon season, one-kilogram lime can be applied per one matured palm by opening the coconut basin.  |
| Chilli                       | White fly     | Since dry weather condition is prevailed, there is a chance of white fly attack in chilli, apply 2% neem oil + garlic emulsion under the leaf surface at 10 days intervals. If the attack is severe, apply 4 gram Thiamethoxam per ten litre of water. |

Animal Husbandry: - Allow the animal to graze early in the morning or in the evening to avoid direct sunlight. It is better to allow the graze by evening hours. As the atmospheric temperature is increasing, give more cold water for cattle. Give grasses and straw during early morning and evening hours. And also protect them from direct sunlight.