



## Agromet Advisory Bulletin for PALAKKAD 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

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

Weather parameters	17.04.2024	18.04. 2024	19.04.2024	20.04. 2024	21.04.2024
Rainfall (mm)	0	0	5	5	3
Maximum temperature (°C )	40	40	39	39	39
Minimum temperature (°C )	28	28	28	26	26
Maximum Relative Humidity (%)	87	87	87	87	87
Minimum Relative Humidity (%)	31	31	31	31	31
Wind speed (kmph)	2	2	3	3	4
Wind direction (deg)	70	230	250	250	240
Total cloud cover (octa)	8	8	8	8	8

Weather summary / Alert: Maximum temperatures are very likely to be around 40°C in Palakkad 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.

### B. Agrometeorological Advisories for crop protection & management

#### C. General and Agro meteorological Advisories

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 (Dough stage)	Bacterial leaf blight	There is a chance for the development of bacterial leaf blight disease in paddy field. If the bacterial leaf blight disease is noticed in the main field, put small pouch of bleaching powder at 2kg per acre in the main field water. If the disease becomes severe, spray a solution of streptomycin at 2g per 10 litre of water.
Mango	Mango Hopper	Since the mango flowering is just started, spray 1% Azadirachtin at 2ml per litre of water or Thiamethoxam 2g per 10 litre to control the attack of mango hopper as well as caterpillars affecting the inflorescence in mango.
Vegetables	Sucking pests	Due to increase in atmospheric temperature, there is a chance for the attack of sucking pests in vegetables. They can be controlled by applying 2% neem oil emulsion once in a week or by spraying <i>Lecanicillium lecani</i> at 20 gm per 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.