



## Agromet Advisory Bulletin for PALAKKAD District

(Valid from 06.03.2024 to 10.03.2024)

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

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

Weather parameters	06.03.2024	07.03.2024	08.03.2024	09.03.2024	10.03.2024
Rainfall (mm)	0	0	0	0	0
Maximum temperature (°C)	37	37	37	37	37
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	82	82	82	84	84
Minimum Relative Humidity (%)	29	29	29	32	32
Wind speed (kmph)	5	3	3	2	2
Wind direction (deg)	20	20	20	360	160
Total cloud cover (octa)	6	5	6	6	4

Weather summary / Alert: Maximum temperatures are very likely to be around 38°C in Palakkad district during 05.03.2024 to 07.03.2024.

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

#### C. General and Agro meteorological Advisories

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 (Puncha) Seedling stage	Bacterial Leaf Blight	To control and prevent Bacterial Leaf blight in paddy, dissolve 20 g of cow dung in one liter of water and spray the supernatant liquid by mixing with 20g of pseudomonas. If the attack is severe spray 6 g of Streptocycline in 30 liter of water.
Vegetables (cowpea)	Aphids	To control the attack of aphids in cowpea, apply 2% neem oil emulsion once in a week or by spraying Lecanicillium lecani at 20 gm per litre of water.
Mango	Mango hopper	To control the attack of mango hopper as well as caterpillars affecting the inflorescence in mango, spray 1% Azadirachtin at 2ml per liter 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).