



## Agromet Advisory Bulletin for PALAKKAD District

(Valid from 11.05.2024 to 15.05.2024)

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	11.05.2024	12.05.2024	13.05.2024	14.05.2024	15.05.2024
Rainfall (mm)	3	5	10	4	3
Maximum temperature (°C)	36	36	36	36	36
Minimum temperature (°C)	25	25	26	26	26
Maximum Relative Humidity (%)	88	88	88	88	88
Minimum Relative Humidity (%)	38	38	38	38	38
Wind speed (kmph)	2	2	2	2	2
Wind direction (deg)	270	230	250	250	230
Total cloud cover (octa)	8	8	8	8	8

Weather summary / Alert: Maximum temperatures are very likely to be around 36°C in Palakkad district on 10<sup>th</sup> May 2024.

SMS: As per the forecast of IMD, there is a chance of light rainfall in the district. Above 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
Coconut	Stem bleeding	There is a chance for the development of stem bleeding disease in coconut palms. As a precaution, apply 5 kg neem cake in the basins of the palms. Also, apply 50g each trichoderma mixed along with organic manures in the basins.
Vegetables	-	Prepare the land for planting of vegetable seedlings and apply lime at 2kg for each cent. Nursery seedlings should be sprayed with 19:19:19 at 2-3ml per liter or with pseudomonas at 10g/L. It is better to apply neem cake at the time of planting to reduce the incidence of pest and diseases. It is advisable to adopt biological methods for pest and disease control. For water conservation in vegetables, adopt wick irrigation as well as drip irrigation methods.
Cowpea	Aphid	Aphid attack is being noticed in cowpea. They can be controlled by applying 2% neem oil emulsion once in a week or by spraying Lecanicillium lecani at 20 gm 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).