



## Agromet Advisory Bulletin for PALAKKAD District

(Valid from 01.05.2024 to 05.05.2024)

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	01.05.2024	02.05.2024	03.05.2024	04.05.2024	05.05.2024
Rainfall (mm)	0.2	2	0.2	0.5	5
Maximum temperature (°C)	41	41	41	41	41
Minimum temperature (°C)	29	29	29	29	29
Maximum Relative Humidity (%)	73	73	73	73	73
Minimum Relative Humidity (%)	27	27	27	27	27
Wind speed (kmph)	4	2	2	2	3
Wind direction (deg)	230	230	250	230	230
Total cloud cover (octa)	8	8	8	8	8

Weather summary / Alert: Maximum temperatures are very likely to be around 41 °C in Palakkad district on 30th April to 04th May 2024. Heat Wave conditions likely to continue at a few places in Palakkad district during 30 th April to 02 nd May 2024. (ORANGE WARNING)

SMS: As per the forecast of IMD, there is a chance of light rainfall in isolated places of the district. Below 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
Rice (virippu)	-	It is recommended to sow dhaincha seeds in the paddy field before virippu planting.
Coconut & Banana	-	Since dry and hot weather condition is prevailed, provide irrigation to coconut and banana plants as per requirement. Mulching can be practiced to conserve soil moisture.
Arecanut	-	The wood of arecanut tree can be protected from hot sun by painting white or covering with arecanut leaf sheath.
Pepper	-	Pepper plants can be irrigated once a week. The water should be kept in basins of one and a half meter diameter around the plants. It is also good to mulch with dry leaves or something.
Ginger, Turmeric	Planting time	While preparing land for ginger and turmeric cultivations, apply 2 to 3 kg lime per cent. As a prophylactic measure against rhizome rot disease, the ginger and turmeric rhizome should be soaked in the 0.3 percent mancozeb or pseudomonas solution (3 gram per one litter of water) for 30 minutes. Moreover 90 kg FYM mixed with one kg Trichoderma and kept under shade for two weeks with sufficient moisture and can be applied.

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).