



Agromet Advisory Bulletin for PALAKKAD District

(Valid from 27.03.2024 to 31.03.2024)

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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Dated 26.03.2024

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

Weather parameters	27.03.2024	28.03.2024	29.03.2024	30.03.2024	31.03.2024
Rainfall (mm)	0	0	0	0	0
Maximum temperature (°C)	39	39	39	39	39
Minimum temperature (°C)	26	26	26	26	26
Maximum Relative Humidity (%)	85	85	85	90	90
Minimum Relative Humidity (%)	30	30	26	26	26
Wind speed (kmph)	4	4	3	5	4
Wind direction (deg)	50	90	250	90	110
Total cloud cover (octa)	3	4	5	3	3

Weather summary / Alert: Maximum temperatures are very likely to be around 39 °C in Palakkad district during 26.03.2024 to 30.03.2024.

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
Puncha rice (Panicle initiation stage)	-	High temperature may induce pollen sterility in late sown paddy. Keep Standing water in the field to avoid this.
Coconut	Rhinoceros beetle.	Crown cleaning and crown filling with 200g sand and neem cake mixture (10:1 ratio) should be carried out for the management of rhinoceros beetle.
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.

Animal Husbandry: - Pets and domestic animals & birds should be provided with adequate fresh water and protection from the sun and heat. Adequate ventilation should be arranged in their living space. Do not let the cattle graze during hot weather. (CAADECCS, KVASU, Mannuthy).