



Agromet Advisory Bulletin for PALAKKAD District

(Valid from 24.04.2024 to 28.04.2024)

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

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

Weather parameters	24.04.2024	25.04.2024	26.04.2024	27.04.2024	28.04.2024
Rainfall (mm)	0.1	0.1	0	0	0
Maximum temperature (°C)	39	39	39	39	39
Minimum temperature (°C)	28	28	26	26	26
Maximum Relative Humidity (%)	80	85	85	85	85
Minimum Relative Humidity (%)	40	35	30	35	35
Wind speed (kmph)	3	3	4	3	4
Wind direction (deg)	250	250	250	250	250
Total cloud cover (octa)	5	5	3	3	4

Weather summary / Alert: Maximum temperatures are very likely to be around 40°C in Palakkad district on 23rd to 27th 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 (Harvesting stage)	-	Puncha is in harvesting stage. Harvesting can be done in matured paddy fields.
Coconut Tree	-	Since dry weather condition is prevailed, irrigate coconut palm as per requirement. It is a desirable practice to bury fresh or dried coconut husk in the coconut basin to conserve soil moisture. Apply lime (white colour) on the coconut stem near the ground to protect it from hot sun.
Chilly	Mite	Since hot weather condition is prevailed, there is a chance of mites attack in chilly. Apply Spiromesifen 8 ml per 10 litre of water.
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: - Assure increased ventilation in the cattle shed. (CAADECCS, KVASU, Mannuthy).