



Agromet Advisory Bulletin for PALAKKAD District

(Valid from 06.04.2024 to 10.04.2024)

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	06.04.2024	07.04.2024	08.04.2024	09.04.2024	10.04.2024
Rainfall (mm)	0	0	0	0	5
Maximum temperature (°C)	40	40	40	40	40
Minimum temperature (°C)	27	26	26	26	26
Maximum Relative Humidity (%)	83	83	83	83	83
Minimum Relative Humidity (%)	40	40	40	40	40
Wind speed (kmph)	2	2	2	2	2
Wind direction (deg)	200	180	250	200	180
Total cloud cover (octa)	7	7	6	5	8

Weather summary / Alert: Maximum temperatures are very likely to be around 40 °C in Palakkad district during 05.04.2024 to 09.04.2024.

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 (Panicle initiation stage)	-	Ensure water availability in paddy fields. The micronutrient deficiency of paddy can be managed by spraying 10 gram of paddy sampoorina in one litter of water.
Cowpea	-	For those cowpea plants of 15 days after the sowing with rhizobium treatment, spray urea solution on the leaves at 20g per liter of water for promoting better growth.
Chilli	White fly	There is a chance of white fly attack in chilli. Apply 2% neem oil garlic emulsion or spray 20g Lecanicillium lecanii per one litre of water once in a week.
Crops	-	To increase the water use efficiency during this season, hydrogel capsules can be used. This will reduce the number of irrigation intervals by enhancing water storage capacity of the soil. For this, put the capsules near the root zone by piercing into the soil. 4 capsules for one vegetable seedling, 8 capsules for banana, 10 capsules for arecanut and 20 capsules for coconut are needed.

Animal Husbandry: - Allow the animal to graze early in the morning or in the evening to avoid direct sunlight. It is better to allow the graze by evening hours. As the atmospheric temperature is increasing, give more cold water for cattle. Give grasses and straw during early morning and evening hours. And also protect them from direct sunlight.