



Agromet Advisory Bulletin for PALAKKAD District

(Valid from 16.03.2024 to 20.03.2024)

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

Weather parameters	16.03.2024	17.03.2024	18.03.2024	19.03.2024	20.03.2024
Rainfall (mm)	0.1	0	0	0	0
Maximum temperature (°C)	38	38	38	38	38
Minimum temperature (°C)	26	26	26	26	26
Maximum Relative Humidity (%)	81	81	81	81	81
Minimum Relative Humidity (%)	30	30	30	30	30
Wind speed (kmph)	2	4	2	2	2
Wind direction (deg)	230	70	50	70	160
Total cloud cover (octa)	7	5	4	4	4

Weather summary / Alert: Maximum temperatures are very likely to be around 38 °C in Palakkad district during 15.03.2024 to 19.03.2024.

SMS: As per the forecast of IMD, there is a chance of very 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 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
Rice (Puncha) Seedling stage	Stem borer	To control stem borer attack of paddy, if the adult flies are noticed in the field, apply granular insecticide cartap hydrochloride at 5kg per acre or Chlorantraniliprol 0.4 G at 4 kg per acre.
Vegetables	Sucking pest	Due to increase in atmospheric temperature, there is a chance for the attack of sucking pests in vegetables. They can be controlled by applying 2% neem oil emulsion once in a week (or) by spraying Lecanicillium lecani at 20 gm per litre of water.
Mango	Mango hopper	To control the attack of mango hopper as well as caterpillars affecting the inflorescence in mango, spray 1% Azadirachtin at 2ml per liter of water.

Poultry: - If the poultry cage is completely made up of iron mesh, give proper shade to them and give more water for drinking.