



## Agromet Advisory Bulletin for PALAKKAD District

(Valid from 13.04.2024 to 17.04.2024)

*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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**Dated 12.04.2024**

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

Weather parameters	13.04.2024	14.04. 2024	15.04.2024	16.04. 2024	17.04.2024
Rainfall (mm)	2	1	0	0	0.5
Maximum temperature (°C )	39	39	39	39	39
Minimum temperature (°C )	28	26	26	26	26
Maximum Relative Humidity (%)	74	74	74	74	74
Minimum Relative Humidity (%)	27	27	27	27	27
Wind speed (kmph)	2	2	2	2	2
Wind direction (deg)	90	70	70	70	70
Total cloud cover (octa)	8	8	8	7	8

**Weather summary / Alert:** Maximum temperatures are very likely to be around 39 °C in Palakkad district during 12.04.2024 to 16.04.2024.

SMS: As per the forecast of IMD, there is a chance of light rainfall in isolated places of the district. Above 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 (Dough stage)	Rice bug	There is a chance of rice bug attack in paddy. To control, spray Malathion 2 ml per litre of water. Pesticides application should be done either before 9 am or after 3 pm. Otherwise, the pesticide application will adversely affect the pollination
Banana	Rhizome Weevil	There is a chance of Rhizome Weevil attack in banana. As a precaution, apply neemcake @ 1 kg/plant at the time of planting. Cut and remove the outer layer of the rhizome and sundry for 3-4 days after smearing it with slurry of cow dung and ash.
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.