



Agromet Advisory Bulletin for PALAKKAD District

(Valid from 20.03.2024 to 24.03.2024)

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

AAS Bulletin No: 12/2024, (23) Tuesday

Dated 19.03.2024

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

Weather parameters	20.03.2024	21.03.2024	22.03.2024	23.03.2024	24.03.2024
Rainfall (mm)	0	0	5	4	0
Maximum temperature (°C)	38	39	39	39	39
Minimum temperature (°C)	26	26	26	26	26
Maximum Relative Humidity (%)	85	85	85	85	85
Minimum Relative Humidity (%)	34	34	34	34	34
Wind speed (kmph)	2	2	2	2	2
Wind direction (deg)	110	90	70	70	70
Total cloud cover (octa)	4	1	8	8	6

Weather summary / Alert: Maximum temperatures are very likely to be around 39 °C in Palakkad district during 19.03.2024 to 21.03.2024.

SMS: As per the forecast of IMD, there is a chance of 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) Panicle emergence stage	bacterial leaf blight	There is a chance for the development of bacterial leaf blight disease in paddy field. If the bacterial leaf blight disease is noticed in the main field, put small pouch of bleaching powder at 2kg per acre in the main field water. If the disease becomes severe, spray a solution of streptomycin at 2g per 10 liter of water.
Pepper		Pepper nurseries can be prepared by cutting runner shoots during February – March. For this, fill the polythene bags with a mixture of soil, sand and FYM at 1:1:1 ratio. Make 15-20 holes on these polythene bags of 18 x 12 cm size. Make small pieces of runners each having 2 nodes after removing top and bottom parts of the selected runner shoot. Retain only the leaf petiole on the planting material and plant the same 3-4 numbers in a single bag. Immediately mulch the crop, give proper shading and irrigate as per the requirement. The vines will be ready for planting after 3 months.
Vegetables	sucking pests	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.

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