



Agromet Advisory Bulletin for PALAKKAD District

(Valid from 17.12.2025 to 21.12.2025)

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	17.12.2025	18.12.2025	19.12.2025	20.12.2025	21.12.2025
Rainfall (mm)	0	0	0	0	0
Maximum temperature (°C)	31	31	31	31	31
Minimum temperature (°C)	23	23	23	23	23
Maximum Relative Humidity (%)	65	65	65	65	65
Minimum Relative Humidity (%)	40	40	40	40	40
Wind speed (kmph)	3	3	3	4	3
Wind direction (deg)	70	90	70	90	70
Total cloud cover (octa)	3	3	3	3	3

Weather summary / Alert: - Since dry weather condition is prevailed, irrigation of crops can be continued as per requirement. Below normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

General and Agrometeorological Advisories for Palakkad District

General Advisory: - Ensure soil water conservation by mulching the crops as high temperatures continue to rise. Irrigate the crops according to their needs.

Crop	Pest/ Disease, Crop Management	Agromet Advisory
Rice (Mundakan) Panicle initiation stage	Sheath blight disease	During cloudy weather condition, Sheath blight disease was noticed in the rice field. The symptoms will start at the lower leaf sheath as greyish spots on the upper part of the sheath which will spread on the leaves and leaves will dry in severe cases. As a precaution, apply Trichoderma at 1kg per acre along with the organic manure after one week of transplanting and also spray the same at 10g per litre of water after one month of transplanting. If it becomes severe, spray propiconazole at 1ml per litre.
Coconut	White fly	As the temperature increases, white fly attack is being noticed in many coconut fields of the district. To control this, place yellow sticky traps at 15 per hectare area in between the palms. Apply the fertilizers only on the recommended dose based on soil test results. During this time, to reduce the sooty mould infection on the leaves, conserve the sooty mould scavenger beetle by avoiding pesticide application. If the whitefly attack becomes severe, spray neem oil 0.5% or NSKE 5% or neem oil (2%) + garlic (2%) + starch (1%) and avoid spraying any form of insecticides.
Chilli	White fly	As the temperature increases, 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.

Animal Husbandry: - Take precautions to avoid ectoparasitic infestation. Care should be taken to prevent rat breeding in the premises of cattle shed to prevent leptospirosis. (CAADECCS, KVASU, Mannuthy).