



Agromet Advisory Bulletin for PALAKKAD District

(Valid from 18.05.2024 to 22.05.2024)

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 | 18.05.2024 | 19.05.2024 | 20.05.2024 | 21.05.2024 | 22.05.2024 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 5 | 8 | 18 | 15 | 15 |
| Maximum temperature (°C) | 35 | 35 | 35 | 35 | 35 |
| Minimum temperature (°C) | 27 | 26 | 26 | 26 | 26 |
| Maximum Relative Humidity (%) | 94 | 94 | 94 | 94 | 94 |
| Minimum Relative Humidity (%) | 49 | 49 | 49 | 49 | 49 |
| Wind speed (kmph) | 2 | 2 | 2 | 2 | 4 |
| Wind direction (deg) | 270 | 230 | 270 | 230 | 290 |
| Total cloud cover (octa) | 8 | 8 | 8 | 8 | 8 |

Weather summary / Alert: Thunderstorm with lightning accompanied by gusty wind speed reaching 30 to 50 Kmph is very likely to occur at one or two places in Kerala from 17th to 21st May 2024.

SMS: - As per the forecast of IMD, there is a chance of Moderate rainfall (15.6 to 64.4mm) is expected 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

Special crop management is required for agricultural crops before monsoon season. Proper drainage facilities have to be ensured. Provide supports for the bananas. Make the vegetable pandals stronger. Avoid standing in open areas to protect farmers and livestock from lightning and thunder. Proper mulching can be followed to conserve soil moisture.

| Crop | Pest/ Disease | Crop/ Animal Advisory |
|--------------------|------------------|---|
| Rice (virippu) | - | It is recommended to sow dhaincha seeds in the paddy field before virippu planting. Land preparation and nursery preparation for virippu paddy (Rainfed) can be started after receiving summer rains. |
| Coconut & Arecanut | - | Pits can be taken for planting seedlings of coconut and arecanut. |
| Ginger, Turmeric | Planting time | While preparing land for ginger and turmeric cultivations, apply 2 to 3 kg lime per cent. As a prophylactic measure against rhizome rot disease, the ginger and turmeric rhizome should be soaked in the 0.3 percent mancozeb or pseudomonas solution (3 gram per one litter of water) for 30 minutes. Moreover 90 kg FYM mixed with one kg Trichoderma and kept under shade for two weeks with sufficient moisture and can be applied. |

Animal Husbandry: - Deworm the animals after dung examination. Care should be taken to prevent rat breeding in the premises of cattle shed to prevent leptospirosis. Keep away livestock from open fields to avoid lightning and thunder.

(CAADECCS, KVASU, Mannuthy).