



Agromet Advisory Bulletin for Ernakulam District

(Valid from 20.05.2023 to 24.05.2023)

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 | 20.05.2023 | 21.05.2023 | 22.05.2023 | 23.05.2023 | 24.05.2023 |
|-------------------------------|------------|------------|------------|------------|------------|
| Rainfall (mm) | 4 | 1 | 0.5 | 0.2 | 0.5 |
| Maximum temperature (°C) | 33 | 33 | 32 | 34 | 34 |
| Minimum temperature (°C) | 27 | 26 | 27 | 27 | 26 |
| Maximum Relative Humidity (%) | 80 | 90 | 82 | 92 | 90 |
| Minimum Relative Humidity (%) | 71 | 52 | 63 | 54 | 63 |
| Wind speed (kmph) | 10 | 6 | 6 | 8 | 5 |
| Wind direction (deg) | 270 | 320 | 320 | 270 | 250 |
| Total cloud cover (octa) | 8 | 7 | 8 | 8 | 7 |

Weather summary / Alert: As per the forecast of IMD, there is a chance of light rainfall in the district and moderate rainfall in isolated places. Below normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

C. General and Agrometeorological Advisories for Ernakulum District (RRS Vyttila)

Special crop management is required for agricultural crops before monsoon season. Proper mulching can be followed to conserve soil moisture.

| Crop | Pest/ Disease | Crop/ Animal Advisory |
|-------------------|-------------------------------------|---|
| Rice (Pokkali) | Management | After strengthening the outer bunds, setting the sluices and drying the field, farmers can start preparing mounds and seeds can also be procured. |
| Coconut | Rhinoceros beetle & Red palm weevil | Field sanitation; top most three leaf axils may be filled with 25g neem cake and 200g sand mixture or naphthalene balls and sand as a prophylactic measure and repeat this procedure 45 days interval; Crown cleaning followed by the application of 20g cartap hydrochloride 4G/ Fipronil 0.3G/ Carbosulphan 6G mixed with 200g sand on top three leaf axils; mist net balls can be inserted around leaf spindles. |
| Cow pea | Pod bugs | Spray bird pepper (kanthari mulaku) 20g + cows urine 100ml in a litre of water or fish amino acid |
| Cassava / Tapioca | Mealy bug | Collect and burn the infected branches and give a spray of one neem based insecticide along with a sticker. In the initial stages of infestation, a spray of <i>Lecanicillium lecanii</i> can be given. Avoid use and transport of setts from the infested area for further planting. |

Animal Husbandry:- Care should be taken to avoid fungal growth in the cattle feed. 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 the open fields to avoid lightning and thunder. (CAADECCS, KVASU, Mannuthy).