# Agromet Advisory Bulletin for the District, Kozhikode

**(Valid from 30.04.2025 to 04.05.2025)**

***(Issued jointly by Kerala Agricultural University Regional Agricultural Research Station Pilicode& India Meteorological Department)***

| Bulletin Number:Pilicode/ Kkd -34/2025 | Date: 29/04/2025 |
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## A. Weather Summary of preceding Five days

| Rainfall, mm | Max. temp., ºC | Min. temp., ºC | R. H., % | Wind speed, Km/h |
|---|---|---|---|---|
| 2.5 | 36.0 – 37.2 | 26.0 – 29.0 | 58 - 81 | 00 - 04 |

## B.Weather forecast for next five days

| Parameters | 30-04-2025 | 01-05-2025 | 02-05-2025 | 03-05-2025 | 04-05-2025 |
|---|---|---|---|---|---|
| Average Rainfall, mm | 9 | 5 | 2 | 1 | 5 |
| Max. Temp, ºC | 36 | 36 | 36 | 36 | 36 |
| Min. Temp,ºC | 26 | 26 | 26 | 26 | 26 |
| Max. Relative Humidity, % | 80 | 80 | 80 | 80 | 80 |
| Min. Relative Humidity, % | 60 | 60 | 60 | 60 | 60 |
| Wind speed,km/h | 8 | 8 | 8 | 8 | 8 |
| Wind direction, degrees | 290 | 270 | 320 | 290 | 270 |
| Total cloud cover, octa | 7 | 8 | 8 | 6 | 8 |

## C. Agrometeorological Advisories

| Crop | Stages | Problems | Agro-meteorological advisories |
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| **General Condition** | **Light to Moderate Rainfall**** | | |
| | Temperatures will be higher during the day. Atmospheric humidity will be normal.<br>There will be light to moderate rainfalls (From2.5 mm to 64.4 mm within a time span of 24 hours) from April 29 to May03. | | |
| **Weather warning** | Maximum temperatures are very likely to be around 37℃ from April 29 to May 01. | | |
| **Impacts** | High rate of evaporation may occur from soil.<br>Chances for attack of sucking pests.<br>Direct exposure to sunlight may cause sunburn and injuries to human and animals.<br>Provide shade net for vegetable crops and ensure irrigation. | | |
| **General Recommendations** | Summer rains have prime role in coping up drought. Hence maximum water harvesting should be ensured in the fields. Clean the rain pits. Cover the soil with dried leaves, especially the basins of crops. The opened tree basins which were partially closed after fertilizer application, can act as very good water harvesting structures. Divert the runoff water to such tree basins by drawing furrows. | | |

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| | Keep vigilance while drying the harvested produces like seeds, cashew nuts, copra and rubber in open conditions. Provide props to Nendran banana.<br>1. Farmers are advised to not work in open places between the time, 11.0am to 3.0 pm. Drink sufficient water to avoid dehydration.<br>2. Provide mist spray of water system and fans in the cattle sheds. Give the livestock sufficient quantity of drinking water intermittently<br>3. Irrigate the crop when the water is available in the evening or early morning.<br>4. Mulch the crop basins. Arrange irrigation if water is available. Adopt drip irrigation method for maximum water use efficiency.<br>5. Remove weeds from the soil to reduce transpiration losses. Powder the soil to dust by breaking the clods. This will act as good soil mulch to prevent evaporation loss of water.<br>6. Well drained areas where lifesaving irrigation possible ragi and pearl millet can be cultivated.<br>7. Control sucking pests; control/minimize the insect and pest incidence with IPM.<br>8. Repair and rejuvenate local water bodies before the rainy season. | | |
| Paddy (Viruppu: First crop season) | Land preparation for broadcasting | Summer showers are predicted. Immediately after attaining sufficient moisture level in soil, land preparations can be started in places where broadcasting is preferred.<br>In rice fallows where transplanting is practiced during the first crop, organic manure seeds (Daincha, sunhemp, cowpea etc) can be sown during this time. These can be harvested at its 45 days of growth, just before flowering. This will not only help in fixing nitrogen into the soil, but also control the weeds growth in the fields. If there is sufficient soil moisture at the time of harvest, incorporate them into the soil through deep ploughing. Other wise use it for preparation of composts. | |
| Various crops | Various stages | Sucking pests<br>  <br>The climate is favourable for the spread of sucking pests like mealy bug, jasids, aphids, mites, bugs etc. If not controlled properly they will act as vectors and may spread virus diseases. | To control the pests apply neem oil emulsion (5 ml. neem oil mixed in one litre of luke warm soap water solution)<br>Or<br>Apply malathion 50 EC @ 2 ml + neem oil 4ml per litre of water |

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| Coconut | All stages | Drought Management | 1) Cut two green leaves from the bottom layer, to reduce the water loss from the tree.<br>2) Apply compost/dried leaves in the basins to increase water holding capacity.<br>3) Adopt drip irrigation. This will minimize the irrigation water loss.<br>Take care of controlling of sucking pests; control/minimize the insect and pest incidence with IPM. |
| Banana | Various stages of growth | Yellowing of leaf/Sigatoka leaf spot etc.<br>  | As a profiliatic measure drench the plant basins with Pseudomonas solution (scale: 20 g Psudomonas/litre of water) |
| Okra | All stages | Yellow vein mosaic<br>  | Use disease free seed from the disease free area or healthy plant. Rogue out the infected plants.<br>Place yellow sticky traps in the field or Spray Dimethoate 30EC (1.5 ml per litre of water |
| Chilli | All stages | White fly<br>  | Apply 2% neem oil+ garlic emulsion under the leaf surface at 10 days intervals.<br>Spray Thiamethoxam @ 2gm/10litre of water. |
| Cowpea | Various stages | Red spider mite<br>  | Spray Spiromecifen 0.7 ml per litre on upper and lower sides of the leaves. |

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| Animal Husbandry | All stages | Summer Stress<br>  | The rise in temperature will affect the thermoregulatory mechanism of dairy cattle. This will cause increase in body temperature, rapid shallow breathing, increased heart rate, profuse salivation, and reduced feed intake. This in turn results in severe production loss and reduced breeding efficiency in dairy cattle.<br><br>Provide pure drinking water to the dairy cattle (45 to 60 litres of water), Allow grazing only during the cooler parts of the day. Provide shading. Shelter them in thatched roofings of minimum 9 ft. height with ample ventilation. Providing fans, misting and fogging assembly in cattle sheds will help them to regulate body temperature. Also ensure minerals fortified feeds. |
| Cow | Milking stage | Cow pox<br>  | This disease is caused by a virus, which affects the udder of milking cows. Initially small eruptions are formed on the affected udder. In later stages these eruptions rupture and wounds are formed. Due to pain the animals may not cooperate with milking.<br><br>Mix boric acid with glycerin or coconut oil. Prepare this in a paste form and apply in the wounds. |

***** Warning colour codes of rainfall (for disaster management)***

| Warning (Take actions) | Alert (Be prepared) | Watch (Be updated) | No warning (No actions) |
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Sd/-
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