



Agromet Advisory Bulletin for the District, Kozhikode

(Valid from 25.01.2025 to 29.01.2025)

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



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| Bulletin Number: Pilicode/Kkd-07/2025 | Date: 24/01/2025 |
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A. Weather Summary of preceding four days







| Rainfall, mm | Max. temp., °C | Min. temp., °C | R. H., % | Wind speed, Km/h |
|--------------|----------------|----------------|----------|------------------|
| 0.0 | 32.2 – 35.6 | 23.6 – 26.0 | 51 - 82 | 00 - 00 |




B. Weather forecast for next five days

| Parameters | 25-01-2025 | 26-01-2025 | 27-01-2025 | 28-01-2025 | 29-01-2025 |
|---------------------------|------------|------------|------------|------------|------------|
| Average Rainfall, mm | 0 | 0 | 0 | 0 | 0 |
| Max. Temp, °C | 34 | 34 | 34 | 34 | 34 |
| Min. Temp, °C | 25 | 25 | 25 | 25 | 25 |
| Max. Relative Humidity, % | 81 | 81 | 81 | 81 | 81 |
| Min. Relative Humidity, % | 51 | 51 | 51 | 51 | 51 |
| Wind speed, km/h | 4 | 2 | 4 | 4 | 4 |
| Wind direction, degrees | 270 | 290 | 270 | 270 | 290 |
| Total cloud cover, octa | 2 | 2 | 2 | 3 | 2 |

C. Agrometeorological Advisories

| Crop | Stages | Problems | Agro-meteorological advisories |
|--------------------------------|--|----------|--------------------------------|
| | No Rainfall ** | | |
| General conditions | <p>The sky will be cloudy. High relative humidity will be experienced.</p> <p>Low night temperature and high day temperature will be experienced. Hence there will be distinct difference between day time temperature and night temperature.</p> <p>There is no rainfall from January 24 to 28.</p> | | |
| General Recommendations | <p>In plantation crops, water conservation measures should be adopted. Give mulching in the soil with crop residues, green or dried leaves. The trashes used should be free of any pest and diseases. Avoid the trashes of the same species as mulch. This will help to prevent the multiplication of crop specific pest and disease causing organisms. Powdering the top soil using a secondary tillage implement and spreading it uniformly over the field, will help to conserve water for a long period of time in the fields.</p> <p>Restrict the spraying of pesticides/fungicides operations to early morning and evening hours when the air is calm.</p> <p>Irrigate the crop when the water is available in the evening or early morning. Adopt drip irrigation method for maximum water use efficiency</p> | | |

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| Paddy | Grain filling stage | <p>Rice bug</p>  | <p>Apply Azadiractin 3000ppm stock after diluting in water @ 3ml/L. To have a better control add and stir one to two ml. of Malathion 50EC per litre of the diluted Azadiractin solution before applying. The spraying should be done in the evening, immediately after sunset.</p> |
| Coconut | All stages | <p>Stem bleeding</p>  | <p>Chisel out the affected parts and apply Bordeaux paste.</p> <p>Drench the palm basin (2m radius) with 40 litres of 1% Bordeaux mixture.</p> <p>After one month, apply 5 kg Trichoderma enriched neem cake and 500g of Ayar® (micro nutrient mixture)</p> |
| Banana | All stages | <p>Pseudostem weevil</p>  | <p>Adopt field sanitation.</p> <p>Remove the affected parts and burn it using kerosene.</p> <p>Apply Beauveria bassiana @ 20 g l⁻¹ at 5, 6 and 7 month after planting.</p> |
| Mango | Fruit maturing stage | <p>Mango fruit flies</p>  | <p>Collect and destroy the fallen fruits by taking deep pits atleast 60 cm depth. Set up pheromone trap (methyl eugenol trap) @ 1 trap/15 cents.</p> |
| Brinjal | Various stages of growth | <p>Epilachna beetle</p>  | <p>Collection and destruction of every stage of the pest. Spray neem seed kernel extract @ 5 %. Apply neem – oil garlic emulsion @ 20 ml per litre.</p> |
| Bitter gourd | All stages | <p>Fruit fly</p>  | <p>Setting up of pheromone trap(Cue lure @1/15 cent)</p> <p style="text-align: center;">+</p> <p>Spot application of 10 % jaggery containing 0.1 % malathion@1 spot/40 m² on underside of leaves at fortnight intervals.</p> |

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| Cucurbits | All stages | <p>Powdery mildew on cucurbits</p>  | <p>As a prophylactic measure apply 'Mancozeb' (@ 2g/l of water).</p> <p>If disease appeared, spray lime sulfur (@ 3g/L of water) on both surfaces of the leaves. Repeat after 10 days.</p> |
| Ginger | Early growth stage | <p>Stem borer</p>  | <p>Apply any neem based insecticide @4ml/l</p> <p>OR</p> <p>Spray Flubendiamide (Fame -2 ml in 10 litres of water) 2-3 times at weekly interval.</p> |
| Amaranth's | All stages | <p>Leaf blight</p>  | <p>Avoid overhead irrigation. Irrigate gently the basal regions of the plants. If disease is severe, apply cow dung slurry supernatant (2%) as foliar spray and Pseudomonas fluorescens (2%) or Trichoderma viridae (2%) as soil application.</p> |

Sd/-
Nodal Officer,
GKMS Project, RARS Piliode

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

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