



# Agromet Advisory Bulletin for the District, Kozhikode

(Valid from 06.01.2024 to 10.01.2024)



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

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Date: 05/01/2024

## A. Weather Summary of preceding four days




| Rainfall, mm | Max. temp., °C | Min. temp., °C | R. H., % | Wind speed, Km/h |
|--------------|----------------|----------------|----------|------------------|
| 138.2        | 31.4 – 35.1    | 23.0 – 26.0    | 69 – 93  | 00 - 06          |






## B. Weather forecast for next five days

| Parameters                | 06-01-2024 | 07-01-2024 | 08-01-2024 | 09-01-2024 | 10-01-2024 |
|---------------------------|------------|------------|------------|------------|------------|
| Rainfall, mm              | 5          | 3          | 5          | 5          | 3          |
| Max. Temp, °C             | 33         | 35         | 35         | 35         | 35         |
| Min. Temp, °C             | 24         | 25         | 25         | 25         | 25         |
| Max. Relative Humidity, % | 84         | 84         | 84         | 84         | 84         |
| Min. Relative Humidity, % | 69         | 69         | 69         | 69         | 69         |
| Wind speed, km/h          | 2          | 2          | 4          | 2          | 4          |
| Wind direction, degrees   | 180        | 200        | 270        | 270        | 290        |
| Total cloud cover, octa   | 7          | 8          | 8          | 8          | 7          |

## C. Agrometeorological Advisories

| Crop                           | Stages   | Problems   | Agro-meteorological advisories |
|--------------------------------|--|--|--------------------------------|
| <b>General conditions</b>      | <b>Light to moderate rainfall **</b>   |  |                                |
|                                | The sky will be cloudy. High relative humidity will be experienced. The atmospheric temperature will may also be lowered due to rain.<br>There will be isolated light to moderate rainfalls (from 15.6mm to 64.4 mm within a time span of 24 hours) in most places are very likely from January 5 <sup>th</sup> to January 9 <sup>th</sup> .   |  |                                |
| <b>General Recommendations</b> | Ensure sufficient drainage in crop fields.<br>Maintain hygiene conditions in crop fields. Infected and fallen nuts, leaves and tree parts should be removed from the fields and burnt.<br>Provide propping to tender stem crops like banana, tomato etc. Ensure sufficient drainage in crop fields. Beware of lightning. Give propping to slender stemmed and easily lodging crops like banana, vegetables etc.<br>Take care while drying the harvested produces like rubber, cashew nut, copra etc., directly under the sun. Beware of thunder and lightning. |  |                                |
| Vegetables                     | Various crop stages at different localities (from sowing and Transplanting to fruiting)  | While preparing the land, incorporate lime @ 4kg/cent to the soil. Use Trichoderma enriched farm yard manure/compost. This will check the spread of wilt diseases.<br>Before transplanting, dip the roots of the seedlings in slurry of pseudomonas (20g pseudomonas/litre of water) for 30 minutes. This will |                                |

|              |                |   |  |
|--------------|----------------|---|--|
|              |                | <p>help the seedlings to grow vigorously.</p> <p>Also the seedlings can be sprayed with diluted pseudomonas culture solution (@20ml dissolved in one litre of water).</p> <p>As prophylactic measures, especially where organic cultivation is practiced, spray Neem based insecticides (@2ml/litre) at fortnight intervals</p> <p>Mulch the crop basins. Irrigate the crop regularly either at morning or evening time. IF possible adopt drip irrigation method</p> <p>Provide strong supports to the slender stemmed (eg.: tomato) and vine type crops (eg.: bitter guard, ridge guard, snake guard etc.)</p> <p>At the flowering stage spray 5000ppm boron solution (Solubor @5g/litre)</p> |  |
| Coconut      | Various stages | <p><b>Red palm weevil</b></p>    | <p>The palms can be saved only if the attack is diagnosed at an early stage. Hence more frequently inspect the palms. The attack can be diagnosed by the presence of yellowing of upper and middle whorls of leaves and holes at the jointing region of leaf petioles to the trunk. Insect excrement, pupal cases etc. may also be seen in the crown or basins of the palms.</p> <p>Control: Prepare Spinosad @ 4ml/litre of water and fill in the holes on the trunks and axils of the second and third whorls of leaves, from the spindle leaf.</p> <p>Adopt field sanitation.</p> |
| Coconut      | All stages     | <p><b>Bud rot</b></p>    | <p>Detection of disease at its early stage will help to adopt efficient corrective measures. Cut and remove the affected tissues from the crown and apply Bordeaux paste. After that cover the cut surface with polythene sheets to protect it from rain falls until new leaf emerges.</p> <p>Burn the removed tissues immediately.</p> <p>As a prophylactic measure spray 1% Bordeaux mixture into the axils of top leaves of the surrounding palms</p>   |
| Black pepper | All stages     | <p><b>Pollu disease</b></p>    | <p>Spray hexaconazole (@ 2ml/litre of water)</p>   |

|              |                              |   |  |
|--------------|------------------------------|---|--|
| Cashew       | Flushing and flowering stage | Tea mosquito bug attack and associated fungal diseases<br>  | Spray of combination of Mancozeb (@2g/litre) + Ekalux (2ml/litre)  |
| Banana       | Various stages of growth     | Sigatoka leaf spot<br>   | There should not be any water stagnation in the basins of the crop.<br>As a prophylactic measure spray Pseudomonas (@ 20g/litre) at fortnight intervals.<br>If disease appears:-Cut and burn all affected leaves. Spray Carbendazim and Mancozeb (@ 2ml per litre) alternatively at fortnight intervals. |
| Areca nut    | All stages                   | Mahali disease<br>  | Apply Bordeaux mixture (1%) to the bunch and leaves.   |
| Bitter gourd | All stages                   | Fruit fly<br>  | Setting up of pheromone trap(Cue lure @1/15 cent)<br><br>+<br><br>Spot application of 10 % jaggery containing 0.1 % malathion@1 spot/40 m <sup>2</sup> on underside of leaves at fortnight intervals.  |

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

|                               |                            |                           |                                |
|-------------------------------|----------------------------|---------------------------|--------------------------------|
| <b>Warning (Take actions)</b> | <b>Alert (Be prepared)</b> | <b>Watch (Be updated)</b> | <b>No warning (No actions)</b> |
|-------------------------------|----------------------------|---------------------------|--------------------------------|

Sd/-  
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