



Agromet Advisory Bulletin for the District, Kozhikode

(Valid from 18.09.2024 to 22.09.2024)

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



Bulletin Number: Pilicode/Kkd-75/2024 **Date: 17/09/2024**

A. Weather Summary of preceding five days






| Rainfall, mm | Max. temp., °C | Min. temp., °C | R. H., % | Wind speed, Km/h |
|--------------|----------------|----------------|----------|------------------|
| 5.0 | 33.4 – 34.5 | 24.4 – 25.7 | 65 – 89 | 00 - 04 |



B. Weather forecast for next five days

| Parameters | 18-09-2024 | 19-09-2024 | 20-09-2024 | 21-09-2024 | 22-09-2024 |
|---------------------------|------------|------------|------------|------------|------------|
| Average Rainfall, mm | 2 | 2 | 2 | 2 | 2 |
| Max. Temp, °C | 35 | 34 | 35 | 34 | 34 |
| Min. Temp, °C | 26 | 26 | 25 | 25 | 25 |
| Max. Relative Humidity, % | 90 | 90 | 90 | 90 | 90 |
| Min. Relative Humidity, % | 70 | 70 | 70 | 70 | 70 |
| Wind speed, km/h | 13 | 8 | 8 | 8 | 8 |
| Wind direction, degrees | 290 | 290 | 290 | 290 | 290 |
| Total cloud cover, octa | 4 | 2 | 3 | 3 | 3 |

C. Agrometeorological Advisories

| Crop | Stages | Problems | Agro-meteorological advisories |
|---------------------------------------|--|----------|--------------------------------|
| | Light Rainfall ** | | |
| <u>General conditions</u> | <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 will be light rainfalls (From 2.5 mm to 15.5 mm within a time span of 24 hours) from September 17 to 21.</p> | | |
| <u>General Recommendations</u> | <p>Drain the stagnating water from the cultivated areas where heavy water stagnations occurs.</p> <p>Do not attempt to dry the products like rice, rubber, copra, pulses, vegetable seeds, etc directly under sun.</p> <p>Give popping to all soft slender stemmed crops like banana, vegetables, climbers etc. Clean the drainage channels in crop lowlands to enable proper drainage of excess water in case of exigencies if any.</p> <p>Maintain hygiene conditions in crop fields. Infected and fallen nuts, leaves and tree parts should be removed from the fields and burnt.</p> <p>Keep animal feeds, seeds, fertilizers etc. in termite free and moist free rooms on elevated platforms coated with wooden panels.</p> | | |

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| | Spraying should be done only if sufficient intervals are available between the rainfalls. | | |
| Rice | Various stages | <p>Leaf folder</p>  | If leaf folder attack is seen, unfold the leaves by rolling thorny wires/twigs over the canopy. If the attack is severe spot spraying of flubendiamide 39.35%SC @ 1.0 ml/10L is recommended. Attack will be more in shaded conditions. Avoid excessive Nitrogenous fertilizers |
| Coconut | All stages | <p>Bud rot</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> |
| Coconut | All stages | <p>Yellowing of coconut</p>  | Incorporate lime or dolomite @ 2 kg/palm to the basins of the palms. After two weeks, apply borax @ 200g/palm and zinc sulphate @ 100g/palm and magnesium sulphate @500g/palm and potash @ 2kg/palm |
| Black pepper | Bearing stage | <p>Pollu beetle/disease</p>  | <p>As a pyrolytic measure spray spray 1% Bordeaux mixture mixed with quinalphos (2ml/litre of Bordeaux mixture).</p> <p>If attack is seen spray solution containing hexaconazole (5ml) + cyhalothrin (3ml) per 5 litres of water.</p> |
| Banana | Various stages of growth | <p>Leaf eating caterpillar</p>  | <p>Ensure good drainage in the garden.</p> <p>Organic insecticides such as Shreya, Nanma etc. should be mixed with 10 ml of one liter of water and sprayed on both sides of the leaves.</p> <p>Spray quinalphos 20 EC (2 – 4 ml per litre of water).</p> <p>Spray flubendiamide 39.35 SC (2 ml, 10 litre of water).</p> |

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| Cashew | Pre-bearing stages | <p style="text-align: center;">Tea mosquito bug</p>  | <p>Prophylactic measures:</p> <p>1) The fungal biological control agent, <i>Beauveria bassiana</i> can be sprayed @ 20g/L</p> <p style="text-align: center;">Or</p> <p>2) Spray 1% Bordeaux mixture mixed with quinalphos (2ml/litre of Bordeaux mixture)</p> |
| Cow | Milking | <p style="text-align: center;">Mastitis</p>  | <p>The disease is common on cows which are sheltered in unhygienic conditions.</p> <p>Symptoms: - The symptoms are change in composition of milk and turning the milk into a yellow watery liquid, severe fever, lack of appetite, abortions etc. If not treated the cow may lose its milk yielding capacity permanently. Also the cow may lose mobility and gradually death may occur.</p> <p>Prevention: - Ensure hygienic conditions for the individual animals as well as their shelter and its surroundings. The milking machines should be cleaned properly after every use. Boost the immunity of cattle by supplementing feeds with vitamins and minerals containing health tonics.</p> <p>If disease appears, give medication under the supervision of a Veterinary doctor immediately.</p> |

Sd/-
Nodal Officer,
GKMS Project, RARS Pilicode

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

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