



Agromet Advisory Bulletin for the District, Kannur

(31.08.2022 to 04.09.2022)

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



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Date: 30/08/2022

A. Weather Summary of preceding four days






| Rainfall, mm | Max. temp., °C | Min. temp., °C | R. H., % | Wind speed, Km/h |
|--------------|----------------|----------------|----------|------------------|
| 14.4 | 29.8 – 31.0 | 22.8 – 24.8 | 87 - 94 | 00 - 08 |




B. Weather forecast for next five days

| Parameters | 31-08-2022 | 01-09-2022 | 02-09-2022 | 03-09-2022 | 04-09-2022 |
|---------------------------|------------|------------|------------|------------|------------|
| Rainfall, mm | 22 | 20 | 11 | 10 | 5 |
| Max. Temp, °C | 31 | 31 | 31 | 31 | 32 |
| Min. Temp, °C | 25 | 25 | 25 | 25 | 25 |
| Max. Relative Humidity, % | 94 | 94 | 94 | 94 | 94 |
| Min. Relative Humidity, % | 87 | 87 | 87 | 87 | 87 |
| Wind speed, km/h | 4 | 3 | 3 | 3 | 3 |
| Wind direction, degrees | 340 | 270 | 230 | 250 | 250 |
| Total cloud cover, octa | 5 | 8 | 8 | 8 | 7 |

C. Agrometeorological Advisories

| Crop | Stages | Problems | Agro-meteorological advisories |
|---------------------------------------|--------|----------|--|
| | | | Moderate rainfalls and Isolated heavy rainfalls ** |
| <u>General conditions</u> | | | <p>There will be light to moderate rainfalls (up to 64.4 mm within a time span of 24 hours.) and chances for isolated heavy rainfalls (up to 115.5 mm within a time span of 24 hours.) may also occur.</p> <p>As per the extended rainfall forecast, there will be rain during the next week also.</p> <p>The sky will be cloudy. High relative humidity will be experienced. High atmospheric temperature and heat index will be felt during the rain free intervals.</p> |
| <u>General Recommendations</u> | | | <p>The prevailing climatic conditions may favour disease causing fungus to spread its fruiting bodies. Hence beware of diseases like rots and wilts in coconut, black pepper, banana, ginger etc. leaf blight and bacterial leaf blight in rice.</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>Postpone fertilizer application to the crops. Provide propping to tender stem crops like banana, tomato etc. Ensure sufficient drainage in crop fields. Beware of lightning.</p> |

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| Paddy | Flowering to milky stage | <p>Rice bug</p>  | <p>Strict vigilance is necessary at milky stage. Keep the field and bunds free of weeds and grasses.</p> <p>If attack is seen apply fish amino acid @ 20 ml/litre.</p> |
| Paddy | Various stages | <p>Blue beetle</p>  | <p>Keep the field in water drained condition.</p> <p>After three days, apply kerosene emulsion (at the rate of 15 ml kerosene mixed with 1 L soap solution)</p> |
| Paddy | Dough stage | <p>Drain the fields to harden the grains. Don't allow stagnation of water in the fields.</p> | |
| 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> |
| Cashew | Pre-bearing stages | <p>Tea mosquito bug</p>  | <p>Prophylactic measures:</p> <ol style="list-style-type: none"> 1) The fungal biological control agent, <i>Beauveria bassiana</i> can be sprayed @ 20g/L <p style="text-align: center;">Or</p> <ol style="list-style-type: none"> 2) Spray 1% Bordeaux mixture mixed with quinalphos (2ml/litre of Bordeaux mixture) |
| 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> |

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| Banana | Various stages of growth | <p>Sigatoka leaf spot</p>  | <p>There should not be any water stagnation in the basins of the crop. As a prophylactic measure spray Pseudomonas (@ 20g/litre) at fortnight intervals.</p> <p>If disease appears:-Cut and burn all affected leaves. Spray Carbendazim and Mancozeb (@ 2ml per litre) alternatively at fortnight intervals.</p> |
| Ginger and Turmeric | All stages | <p>Rhizome rot</p>  | <p>Drain the field. Drench the field with 1% Bordeaux mixture.</p> |
| Areca nut | All stages | <p>Mahali disease</p>  | <p>Apply Bordeaux mixture (1%) to the bunch and leaves.</p> |

**** 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) |
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Sd/-
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