# Agromet Advisory Bulletin for the District, Kozhikode
## (Valid from 19.11.2022 to 23.11.2022)

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

| Bulletin Number:  Pilicode/Kkd-92/2022 | Date: 18/11/2022 |
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## A.Weather Summary of preceding four days

| Rainfall,  mm | Max. temp., ºC | Min. temp., ºC | R. H., % | Wind speed, Km/h |
|---|---|---|---|---|
| 7.5 | 32.5 – 34.5 | 24.6 – 24.9 | 65.0 – 88.8 | 0.0 – 00.0 |

## B.Weather forecast for next five days

| Parameters | 19-11-2022 | 20-11-2022 | 21-11-2022 | 22-11-2022 | 23-11-2022 |
|---|---|---|---|---|---|
| Rainfall,  mm | 0 | 0 | 2 | 0.3 | 0.3 |
| Max. Temp,  ºC | 34 | 34 | 34 | 35 | 35 |
| Min. Temp, ºC | 25 | 25 | 25 | 25 | 25 |
| Max. Relative Humidity ,  % | 88 | 88 | 88 | 88 | 88 |
| Min. Relative Humidity,  % | 70 | 70 | 70 | 70 | 70 |
| Wind speed, km/h | 3 | 2 | 3 | 2 | 2 |
| Wind direction, degrees | 290 | 270 | 320 | 290 | 50 |
| Total cloud cover,  octa | 4 | 3 | 3 | 2 | 4 |

## C. Agrometeorological Advisories

| Crop | Stages | Problems | Agro-meteorological advisories |
|---|---|---|---|
| | | **No rain** | |
| **General conditions** | Low night temperature and high day temperature will be experienced.  Hence there will be large difference between day time temperature and night temperature. The atmospheric humidity also will be high. | | |
| **General Recommen dations** | Protect newly planted seedlings of the crops from the bright sunshine from southern side, by smearing with banana/coconut leaves. Maintain hygiene conditions in crop fields.  Infected and fallen nuts, leaves and tree parts should be removed from the fields and burnt. Provide propping to tender stem crops like banana, tomato etc. Give popping to slender stemmed and easily lodging crops like banana, vegetables etc. Fungal diseases like blight, leaf spots and wilt may spread in crops.  Keep vigilance.  Take control measures in the beginning stage of diseases. | | |

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| Vegetables | Transplanting/ sowing | This is the right time for transplanting the seedlings of cool season vegetables like cauliflower, cabbage etc.<br><br>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><br>Before transplanting, dip the roots of the seedlings in slurry of pseudomonas (20g pseudomonas/litre of water) for 30 minutes. This will help the seedlings to grow vigorously.<br><br>Also the seedlings can be sprayed with diluted pseudomonas culture solution (@20ml dissolved in one litre of water). |
| Rice | Mainfiled | Leaf roller  | If leaf folder attack is seen, unfold the leaves by rolling thorny wires/twigs over the canopy. Attack will be more in shaded conditions. Avoid excessive Nitrogenous fertilizers.<br><br>If the attack is severe spot spraying of Chlorantraniliprole @3ml/10 ltr of water is also advised. |
| Rice | All stages | Case worm  | Destroy the dislodged larvae. After pulling a rope swabbed with kerosene or engine oil. Drain away the water from the fields. Broadcast the mixture containing 1L of Kerosine in 25 kg of saw dust or sand in the field. |
| Coconut | All stages | Red palm weevil  | 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 whirls 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.<br><br>Control: Prepare Imidachlorprid solution (@ 1ml/litre of water) and fill in the holes. Adopt field sanitation. |
| Coconut | All stages | Leaf/inflorescence rot  | Apply 1% Bordeaux mixture or 0.3% copper oxychloride solution in the heart of the crown. Apply lime. Spray borax also on leaves @ 5g/l. Also adopt all the basal management practices as described for the yellowing, above. |

| Crop | Stage | Disease | Management |
|---|---|---|---|
| Coconut | All stages | Stem bleeding | Chisel out the affected parts and apply Bordeaux paste. Drench the palm basin (2m radius) with 40 litres of 1% Bordeaux mixture or soil drenching of Hexaconazole 25ml/25 litre of water. After one month, apply 5 kg Trichoderma enriched neem cake and 500g of Ayar® (micro nutrient mixture) In endemic areas, repeat fungicide drenching once in every four months |
| Coconut | All stages | Bud rot | 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. Burn the removed tissues immediately. As a prophylactic measure spray 1% Bordeaux mixture into the axils of top leaves of the surrounding palms |
| Black pepper | All stages | Foot rot | If disease is seen, drench soil in the plant basins and spray on the leaves with Redmil® (2g/litre). |
| Cucurbit Vegetables | Planting | Downy mildew | As a prophylactic measure apply 'Mancozeb'(@ 2g/l of water). If disease appeared, spray Akomin® (@3ml/L) on both surfaces of the leaves, thrice at 15 days interval. Remove and burn out the infested leaves. |
| Tomato | Growing stage | Wilt | If disease is seen, spray Redmil® (2g/litre) or Akomin® (2ml/litre). |

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| Bitter gourd | Early growth stage | Bacterial wilt<br> | Keep the field clean and spray antibiotic strepto cycline 1 capsule per 2 litre. |
| Brinjal | Flowering and fruit setting | Shoot and Fruit borer<br> | Remove and destroy affected fruits and shoots. Spray chlorantraniliprole (coragen 3ml per 10 l of water) 2-3 times at weekly interval. |
| Arecanut | Various growth stages | Leaf blight | Spray Propiconazole or Hexaconazole fungicide (1ml per litre of water). After a fortnight interval repeat spraying with copper oxychloride fungicide. If there is no water body near by the plants, drenching the plant basins with propiconazole/hexaconazole is also recommended.<br><br>To keep the plants healthy apply Trichoderma enriched organic manures. Apply lime or dolomite @ 500g/plant. After two weeks apply 250g Rajphose + Potash 250g + Magnesium sulphate 150g + Borax 50g per plant. Reduce the fungus load in plantations by regulating humidity. For this adopt controlled irrigations only. |

** *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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