

आजादी  
का  
अमृत महोत्सव



**Agromet Advisory Bulletin**  
**Kasaragod District**  
**(Valid from 12.02.2022 to 16.02.2022)**



## Agromet Advisory Bulletin for the District, Kasaragod

(Valid from 12.02.2022 to 16.02.2022)

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



Bulletin Number: Pilicode/Ksd-12/2022

Date: 11/02/2022

### A. Weather Summary of preceding five days

| Rainfall, mm | Max. temp., °C | Min. temp., °C | R. H., % | Wind speed, Km/h |
|--------------|----------------|----------------|----------|------------------|
| 00           | 31.9 – 32.0    | 22.5 – 23.5    | 65 – 92  | 4.5 – 5.2        |

### B. Weather forecast for next five days

| Parameters                | 12-02-2022 | 13-02-2022 | 14-02-2022 | 15-02-2022 | 16-02-2022 |
|---------------------------|------------|------------|------------|------------|------------|
| Rainfall, mm              | 0          | 0          | 0          | 0          | 0          |
| Max. Temp, °C             | 34         | 34         | 34         | 34         | 34         |
| Min. Temp, °C             | 22         | 22         | 22         | 22         | 22         |
| Max. Relative Humidity, % | 85         | 85         | 85         | 85         | 85         |
| Min. Relative Humidity, % | 70         | 70         | 70         | 70         | 70         |
| Wind speed, km/h          | 10         | 10         | 10         | 10         | 10         |
| Wind direction, degrees   | 270        | 270        | 270        | 270        | 270        |
| Total cloud cover, octa   | 2          | 2          | 2          | 3          | 2          |

### C. Agrometeorological Advisories

| Crop                      | Stages                                                                                                                                                                                                                                                                                                                                                                                                            | Problems | Agro-meteorological advisories |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------|
| <b>General conditions</b> | <b>No rain</b>                                                                                                                                                                                                                                                                                                                                                                                                    |          |                                |
|                           | <p>The sky will be clear or partially cloudy. 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.</p> <p>Fungal diseases like blight, leaf spots and wilt may spread in crops. Keep vigilance. Take control measures in the beginning stage of diseases.</p> |          |                                |

|                                       |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>General Recommendations</u></b> |                     | Drought Management: <ol style="list-style-type: none"> <li>1) Give mulches in crop basins to prevent water loss from soil.</li> <li>2) Adopt drip irrigation. This will minimize the loss of water.</li> <li>3) Avoid agricultural activities and pesticide application during 12 AM to 3 PM.</li> <li>4) Restrict the application of chemical fertilizers and poultry manure in un- irrigated areas.</li> <li>5) Apply lime on tree trunk.</li> <li>6) Spraying of Sulphate of Potash @ 5 g / L at 15 days interval helps to mitigate drought.</li> </ol> <p>For mulching, 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> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Coconut                               | All stages          | Drought Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <ol style="list-style-type: none"> <li>1) Cut two green leaves from the bottom layer, to reduce the water loss from the tree.</li> <li>2) Apply compost/dried leaves in the basins to increase water holding capacity.</li> <li>3) Adopt drip irrigation. This will minimize the irrigation water loss.</li> </ol> <p>Protect the newly planted young seedlings from direct sunlight falling on it by providing good shades.</p>                                                                                                                                                          |
| Coconut                               | All stages          | Yellowing of coconut<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <ol style="list-style-type: none"> <li>4) Cut two green leaves from the bottom layer, to reduce the water loss from the tree.</li> <li>5) Apply coir pith/coir pith compost in the basins to increase water holding capacity</li> <li>6) Mulch the basins with dried leaves</li> <li>7) Adopt drip irrigation. This will minimize the irrigation water loss.</li> <li>8) Apply borax @ 200g/palm and zinc sulphate @ 100g/palm and magnesium sulphate @500g/palm</li> </ol> <p>Protect the newly planted young seedlings from direct sunlight falling on it by providing good shades.</p> |
| Mango                                 | Fruit setting stage | Mango fruit flies<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p>Collect and destroy the fallen fruits by taking deep pits atleast 60 cm depth.</p> <p>Set up pheromone trap (methyl eugenol trap) @ 1 trap/15 cents.</p>                                                                                                                                                                                                                                                                                                                                                                                                                               |

|              |                       |                                                                                                        |                                                                                                                                                                                                                                                                                                                        |
|--------------|-----------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Black Pepper | All stages            | <p>Foot rot</p>       | <p>As prophylactic measure, apply 150 gram of Trichoderma enriched neem cake - cow dung mixture in the basins of the vines and incorporate thoroughly with the soil.</p> <p>If disease already appeared, drench soil in the plant basins with Redomil 0.2% (2g/litre of water). Spray the same on the leaves also.</p> |
| Vegetables   | Different stages      | <p>Sucking Pests</p>  | <p>Spray neem based insecticide (@ 4ml insecticide/litre of water). Repeat the spraying at every seven days intervals till flowering. If there is severe attack, spray Actara® (@3g/litre of water). Spray the insecticides on both surfaces of the leaves.</p>                                                        |
| Bovines      | <b>Various stages</b> | <p><b>Viral diseases like lumpy skin and foot and mouth diseases</b></p>                               | <p>Adopt vaccination.</p> <p>Keep cattle sheds and its surroundings hygienic.</p>                                                                                                                                                                                                                                      |

Sd/-  
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