Agromet Advisory Bulletin

Kozhikode District

(Valid from 29.01.2022 to 02.02.2022)

Agromet Advisory Bulletin for the District, Kozhikode

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

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A. Weather Summary of preceding four days

Rainfall, mm	Max. temp., °C	Min. temp., °C	R. H., %	Wind speed, Km/h
0.0	32.6 – 34.5	21.6 – 25.4	57.5 – 79.9	00 – 06

B. Weather forecast for next five days

Parameters	29-01-2022	30-01-2022	31-01-2022	01-02-2022	02-02-2022
Rainfall, mm	0	0	0	0	0
Max. Temp, °C	34	34	34	34	34
Min. Temp, °C	25	25	25	25	25
Max. Relative Humidity , %	80	80	80	80	80
Min. Relative Humidity, %	57	57	57	57	57
Wind speed, km/h	6	8	6	8	8
Wind direction, degrees	290	290	290	290	270
Total cloud cover, octa	3	3	5	5	3

C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
General conditions	**No rain**		
	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. Fungal diseases like blight, leaf spots and wilt may spread in crops. Keep vigilance. Take control measures in the beginning stage of diseases.		

General Recommendations	Drought Management: 1) Give mulches in crop basins to prevent water loss from soil. 2) Adopt drip irrigation. This will minimize the loss of water. 3) Avoid agricultural activities and pesticide application during 12 AM to 3 PM. 4) Restrict the application of chemical fertilizers and poultry manure in un- irrigated areas. 5) Apply lime on tree trunk. 6) Spraying of Sulphate of Potash @ 5 g / L at 15 days interval helps to mitigate drought. 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.		
Coconut	All stages	Drought Management	1) Cut two green leaves from the bottom layer, to reduce the water loss from the tree. 2) Apply compost/dried leaves in the basins to increase water holding capacity. 3) Adopt drip irrigation. This will minimize the irrigation water loss. Protect the newly planted young seedlings from direct sunlight falling on it by providing good shades.
Coconut	Bearing stages	Nut falls due to Mahali 	Harvest all the matured nuts. Apply Boudreaux Mixture (1%) to all the bunches
Black Pepper	All stages	Wilt 	Drench soil in the plant basins with Redomil 0.2% (2g/litre of water). Spray the same on the stem and leaves also.
Tomato	Growing stage	Tomato phytophthora fruitrot 	Collect and destroy the completely rotted fruits and spray *Pseudomonas flourescens* (2%) at weekly intervals

Cucurbits	All stages	Powdery mildew on cucurbits	As a prophylactic measure apply 'Mancozeb'(@ 2g/l of water). If disease appeared, spray lime sulfur (@3g/L of water) on both surfaces of the leaves. Repeat after 10 days.
Bitter gourd	All stages	Fruit fly	Setting up of pheromone trap(Cue lure @1/15 cent) + Spot application of 10 % jaggery containing 0.1 % malathion@1 spot/40 m^2 on underside of leaves at fortnight intervals.
Amaranth	All stages	Leaf blight	Avoid overhead irrigation. Irrigate gently the basal regions of the plants. If disease is severe, apply cow dung slurry supernatant (2%) as foliar spray and Pseudomonas flourescens (2%) or Trichoderma viridae (2%) as soil application.
Arecanut	Seedlings (3-4 years)	Leaf blight ,Bud rot	Apply 1% Bordeaux mixture
Tree crops	All stages	Euplatypus beetle (pin hole borer) attack	Apply quinalphos @ 2ml/litre

Sd/-
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