

आजादी
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Agromet Advisory Bulletin
Kasaragod District
(Valid from 22.01.2022 to 26.01.2022)



Agromet Advisory Bulletin for the District, Kasaragod

(Valid from 22.01.2022 to 26.01.2022)

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



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Date: 21/01/2022

A. Weather Summary of preceding four days

Rainfall, mm	Max. temp., °C	Min. temp., °C	R. H., %	Wind speed, Km/h
00	31.5 – 32.0	18.5 – 20.5	67 – 96	3.1 – 5.7

B. Weather forecast for next five days

Parameters	22-01-2022	23-01-2022	24-01-2022	25-01-2022	26-01-2022
Rainfall, mm	0	0	0	0	0
Max. Temp, °C	33	33	33	33	33
Min. Temp, °C	20	20	20	20	20
Max. Relative Humidity, %	80	80	80	80	80
Min. Relative Humidity, %	75	75	75	75	75
Wind speed, km/h	8	10	10	10	10
Wind direction, degrees	250	320	320	320	320
Total cloud cover, octa	2	2	2	3	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.		
	In plantation crops, water conservation measures should be adopted. Give mulching in the soil with crop residues, green or dried leaves. 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.		

Honey bees	All stages	Virus and Bacterial Disease 	Take out the frames and carefully spray streptomycin solution (@ 500mg dissolved in one litre of water). Also keep the streptomycin solution after mixing with sugar, in a tray inside the cage.
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	Various 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. Control: Prepare Spinosad @ 4ml/litre of water and fill in the holes on the trunks and axils of the second and third whirls of leaves, from the spindle leaf. Adopt field sanitation.
Coconut	Bearing stages	Nut falls due to Mahali 	Harvest all the matured nuts. Apply Boudreaux Mixture (1%) to all the bunches
Banana	All stages	Pseudostem weevil 	Adopt field sanitation. Remove the affected parts and burn it using kerosene. Apply Beauveria bassiana @ 20 g l ⁻¹ at 5, 6 and 7 month after planting.

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 <i>Pseudomonas flourescens</i> (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 m² 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 <i>Pseudomonas flourescens</i> (2%) or <i>Trichoderma viridae</i> (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
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