



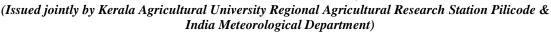
# Agromet Advisory Bulletin Kannur District

(Valid from 01.01.2022 to 05.01.2022)



# **Agromet Advisory Bulletin for the District, Kannur**

01.01.2022 to 05.01.2022)





Bulletin Number: Pilicode/Knr-105/2021 Date: 31/12/2021

#### A. Weather Summary of preceding four days

Rainfall, mm	Max. temp., °C	Min. temp., °C	R. H., %	Wind speed, Km/h
00	33.9 – 35.5	21.4 - 24.0	58.0 – 74.9	04 - 08

## B. Weather forecast for next five days

Parameters	01-01-2022	02-01-2022	03-01-2022	04-01-2022	05-01-2022
Rainfall, mm	0	0	0	0	0
Max. Temp, °C	35	34	34	34	34
Min. Temp, °C	24	23	23	23	23
Max. Relative Humidity, %	75	75	75	75	75
Min. Relative Humidity, %	60	60	60	60	60
Wind speed, km/h	9	9	8	8	7
Wind direction, degrees	270	270	270	270	230
Total cloud cover, octa	3	5	4	6	4

### C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories		
	No rain				
	The sky will be cloudy to 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.				
General	Fungal diseases like blight, leaf spots and wilt may spread in crops. Keep vigilance. control measures in the beginning stage of diseases.  In plantation crops, water conservation measures should be adopted. Give mulching in twith crop residues, green or dried leaves. The trashes used should be free of any per diseases. Avoid the trashes of the same species as mulch. This will help to prevent multiplication of crop specific pest and disease causing organisms. Powdering the trusing a secondary tillage implement and spreading it uniformly over the field, will be conserve water for a long period of time in the fields.				
conditions					

Black Pepper	All stages	Mealy bugs on the roots  Syptoms: Older leaves turns dark yellow. While opening soil in the rootzone, mealy bugs can be seen (as shown in the piture) sticked on the roots.	Open the top soil. Drench the soil (only if the bug is seen sticked on the roots) with Chlorpyriphos @ 2ml/litre or apply Fipronil granule @ 20g/vine.
Cashew	Seedlings (up to four years)	Tea mosquito attack and associated fungal diseases	Prophylactic spray of combination of Bordeaux mixture (1% strength) + quinalphos (2ml/litre of the Bordeaux mixture )  If die back is seen apply combination of hexaconazole and malathione (@ hexaconosozole 1ml + malathione1ml per litre of water)
Mango	Flowering stage	Mango hoppers	Spray Azadirachtin (@5ml/litre Azadirachtin 3000pmm)
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.

Cucurbitaceo us vegetables	All stages	Yellow mosaic virus	Pull out the infected plants and burn or burry them.  Spray difenthiuron @ 1g/ litre.
Amaranths'	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.
Okra	All stages	Jassids	Spray Thiamethoxam @ 2gm/10litre of water.
Chilli	Active growing stage	Thrips and Mites	Spray 'spiromesifen' (@1ml in litre of water)
Bovines	All stage	Lumpy skin	Adopt vaccination.  Keep cattle sheds and its surroundings hygienic.
		Foot and mouth diseases	

Goats	All stage	PPR disease	Adopt vaccination.  Keep cattle sheds and its surroundings hygienic

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Thanks: Dr. Gunateeta, Chief Veterinary Officer, Palakkad