Agromet Advisory Bulletin for the District, Kannur
(28.12.2022 to 01.01.2023)
(Issued jointly by Kerala Agricultural University Regional Agricultural Research Station Pilicode & India Meteorological Department)

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A. Weather Summary of preceding five days

Rainfall, mm	Max. temp., ºC	Min. temp., ºC	R. H., %	Wind speed, Km/h
0.2	34.6 – 36.0	20.7 – 25.7	51.4 – 81.2	0.0 – 6.0

B.Weather forecast for next five days

Parameters	28-12-2022	29-12-2022	30-12-2022	31-12-2022	01-01-2023
Rainfall, mm	2	0	0	0	0
Max. Temp, ºC	35	35	35	34	34
Min. Temp, ºC	24	24	23	23	23
Max. Relative Humidity , %	85	85	85	85	85
Min. Relative Humidity, %	60	60	60	60	60
Wind speed, km/h	4	4	4	3	5
Wind direction, degrees	250	290	270	230	250
Total cloud cover, octa	5	4	2	4	4

C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
	Light rainfall**		
General conditions	Isolated light rainfalls (up to 15.5mm within a time span of 24 hours.) may occur. Low night temperature (minimum 23°C) and high day temperature (maximum 34°C) will be experienced. Hence there will be large difference between day time temperature and night temperature. The atmospheric humidity also will be high (between 65 and 95%).		
General Recommen dations	The dew and high humidity in the atmosphere during early morning hours may help the rice blast and downy mildew in cucurbits causing fungus to excessively multiply and disseminate their fruiting bodies. Isolated light to moderate rain falls may occur in one or two days in the next five days. Maintain hygiene conditions in crop fields. Infected and fallen nuts, leaves and tree parts should be removed from the fields and burnt.		

Crop	Stage	Pest/Disease	Management
Rice	All stages	Blast disease 	Spray Fujione (@ 1.5 ml per litre of water) or Nativo (@ 5g per 10 litre of water) Spray Fujione or Nativo (@ 2ml/litre of w
Coconut	All stages	Rhinoceros beetle Dwarf varieties and young palms are more vulnerable to the attack.	Old fishnets can be used for controlling the pest. Cut the nets into pieces of size 1m x 0.5m. Keep the middle portion of the net, lengthwise into the axils of 3rd and 4th leaf whirls of the palm. Push the net firmly with small stones into the axils. The hanging sides of the net should be kept open. The beetles will be trapped in the nets and get destroyed. Care should be taken to move the nets to upper leaf axils accordingly while fresh leaves are emerging.
Black pepper	All stages	Pollu disease 	Spray hexaconazole (@ 2ml/litre of water)
Cucurbitaceous 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.
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.

Mango	Flowering stage	Mango hoppers	Spray Azadirachtin (@5ml/litre Azadirachtin 3000pmm)
Mango	Different stages	Anthracnose disease	Spray copper oxy chloride or hexaconazole (@ 2ml/litre of water)
Jack	Various stages	Fruit fall due to fungal infections	Spray Bordeaux mixture (1% strength).

*** Warning colour codes of rainfall (for disaster management)*

Warning (Take actions)	Alert (Be prepared)	Watch (Be updated)	No warning (No actions)

Sd/-
Nodal Officer,
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