



Agromet Advisory Bulletin for the District, Kannur

(07.12.2022 to 11.12.2022)

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



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Date: 06/12/2022

A. Weather Summary of preceding five days

Rainfall, mm	Max. temp., °C	Min. temp., °C	R. H., %	Wind speed, Km/h
42.4	33.6 – 34.8	23.8 – 25.1	69.1 – 88.8	4.0 – 8.0

B. Weather forecast for next five days

Parameters	07-12-2022	08-12-2022	09-12-2022	10-12-2022	11-12-2022
Rainfall, mm	0	0	0.1	2	2
Max. Temp, °C	34	34	34	34	34
Min. Temp, °C	24	24	24	24	24
Max. Relative Humidity, %	89	89	89	89	89
Min. Relative Humidity, %	70	70	70	70	70
Wind speed, km/h	3	5	8	4	6
Wind direction, degrees	290	270	320	340	320
Total cloud cover, octa	3	4	8	7	5

C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
			Light to moderate rainfalls **
<u>General conditions</u>			There will be light to moderate rainfalls (upto 64.4 mm with in a time span of 24 hours). Low night temperature (minimum 24°C) and high day temperature (maximum 33°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 76 and 90%).
<u>General Recommendations</u>			Rain: Keep vigilance while sun drying perishable goods, rice, copra and rubber like products. Provide propping to tender stem crops like banana, tomato etc. Give popping to slender stemmed and easily lodging crops like banana, vegetables etc. Protect newly planted seedlings of the crops from the bright sunshine from southern side, by smearing with banana/coconut leaves. Maintain hygiene conditions in crop fields. Infected and fallen nuts, leaves and tree parts should be removed from the fields and burnt. Fungal and bacterial diseases like blight, leaf spots and wilt may spread in crops. Keep vigilance. Take control measures in the beginning stage of diseases.

Rice	All stages	<p>Case worm</p> 	<p>Pull a rope swabbed with kerosene or engine oil. After that drain out water from the fields. Broadcast saw dust after mixing with kerosene (1L of kerosene in 25 kg of saw dust) to the field.</p>
Rice	All stages	<p>Leaf folder</p> 	<p>Open the leaf folds with a thorny twig and apply chlorantraniliprole @ 3 ml/ 10 l or flubendiamide @ 1.5 ml/10L</p>
Cucurbits	All stages	<p>Downy mildew</p> 	<p>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.or spraying of pyraclostrobin @.5gm/L.</p>
Cucurbits	All stages	<p>Powdery mildew on cucurbits</p> 	<p>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.</p>
Cucurbitaceo us Vegetables	Flowering and fruit setting	<p>Melon fruit flies</p> 	<p>Keep pheromone traps. Spray Malathion:- Mix 2 ml of Malathion in one litre of water. Dissolve 10g of jaggery in the solution to attract the flies. Spray this solution on lower sides of the leaves</p>
Pumpkin	All stages	<p>Pumpkin beetle</p> 	<p>Apply malathion 50 EC @ 3 ml / litre of water or malathion 50 EC @ 2 ml + neem oil 4ml per litre of water. After irrigation, drench the soil with malathion 50 EC @ 3 ml / litre of water. After the application of insecticide, with hold irrigation on next two days.</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® (@2g/10 liters of water). Spray the insecticides on both surfaces of the leaves.</p>
Mango	Fruit setting stage	<p>Mango fruit flies</p> 	<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>
Cashew	Flushing and flowering stage	<p>Tea mosquitobug attack and associated fungal diseases</p> 	<p>Prophylactic spray of combination of copper oxychloride (@3g/litre)+ Ekalux (2ml/litre)</p>

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

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