



Agromet Advisory Bulletin for the District, Kannur

(Valid from 21.12.2024 to 25.12.2024)

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



Bulletin Number:Pilicode/Knr-102/2024 **Date:**20/12/2024

A. Weather Summary of preceding four days

Rainfall, mm	Max. temp., °C	Min. temp., °C	R. H., %	Wind speed, Km/h
0.0	33.2 – 35.8	21.6– 24.5	64– 85	00 – 04

B. Weather forecast for next five days

Parameters	21-12-2024	22-12-2024	23-12-2024	24-12-2024	25-12-2024
Average Rainfall, mm	0	0	0	0	0.1
Max. Temp, °C	34	34	34	34	34
Min. Temp, °C	24	24	24	24	24
Max. Relative Humidity, %	85	85	85	85	85
Min. Relative Humidity, %	64	64	64	64	64
Wind speed, km/h	8	8	4	4	4
Wind direction, degrees	340	340	320	320	270
Total cloud cover, octa	6	6	5	5	5

C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
General conditions	Light Rainfall **		
	<p>The sky will be cloudy. High relative humidity will be experienced.</p> <p>Low night temperature and high day temperature will be experienced. Hence there will be distinct difference between day time temperature and night temperature.</p> <p>There is no rainfall from December 20 and 23.</p> <p>There will be light rainfall ((From 2.5 mm to 15.5 mm within a time span of 24 hours) on December 24.</p>		
General Recommendations	<p>Give propping to all soft slender stemmed crops like banana, vegetables, climbers etc. Clean the drainage channels in crop lowlands to enable proper drainage of excess water in case of exigencies if any.</p> <p>Maintain hygiene conditions in crop fields. Infected and fallen nuts, leaves and tree parts should be removed from the fields and burnt.</p> <p>Give mulches in crop basins to prevent water loss from soil.</p>		

	<p>Restrict the application of chemical fertilizers and poultry manure in un- irrigated areas. Provide Vermicomposting or coir pith compost in the basins. Compost has very good water holding capacity.</p> <p>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.</p> <p>Protect young plants by surrounding them with thatched coconut leaves.</p>		
Coconut	Various growth stages	<p>Rugose White fly</p> 	<p>As this is a sap sucking pest, its infestation will be heavy during the hot and dry climatic periods.</p> <p>The sticking property of the gum secreted by the insects may lose in moist conditions. Adopting mulching and irrigations may help the plants to keep the leaves' surfaces moist. On young palms intermittently sprinkle water on the leaves also.</p>
Banana	Various stages of growth	<p>Sigatoka leaf spot</p> 	<p>Cut and burn all affected leaves.</p> <p>Spray Tilt or Contaf (@ 2ml per litre)</p>
Banana	All stages	<p>Pseudostem weevil</p> 	<p>Adopt field sanitation.</p> <p>Remove the affected parts and burn it using kerosene.</p> <p>Apply Beauveria bassiana @ 20 g l⁻¹ at 5, 6 and 7 month after planting.</p>
Mango	Flowering stage	<p>Mango hoppers</p> 	<p>Spray Azadirachtin (@5ml/litre Azadirachtin 3000pmm)</p>
Cashew	Flowering stage (Early bearing varieties like Madakathara – 1, KAU – Nihara)	<p>Tea mosquito bug</p> 	<p>Take control measures only if the attack is seen (only if there is scraped marks on peduncle/pedicle of the panicle).</p> <p>If the attack is noticed spray quinalphos + mancozeb (@quinalphos 2ml + mancozeb 2g in one litre of water)</p>

Various crops	Various stages	<p style="text-align: center;">Sucking pests</p>  <p>The climate is favourable for the spread of sucking pests like mealy bug, jasids, aphids, mites, bugs etc. If not controlled properly they will act as vectors and may spread virus diseases.</p>	<p>To control the pests apply neem oil emulsion (5 ml. neem oil mixed in one litre of luke warm soap water solution)</p> <p style="text-align: center;">Or</p> <p>Apply malathion 50 EC @ 2 ml + neem oil 4ml per litre of water</p>
Cucurbit Vegetables	Planting	<p style="text-align: center;">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. Remove and burn out the infested leaves.</p>
Cucurbitaceous Vegetables	Flowering and fruit setting	<p style="text-align: center;">Melon fruit flies</p> 	<p>Keep pheromone traps.</p> <p>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>
Tomato	Growing stage	<p style="text-align: center;">Wilt</p> 	<p>If disease is seen, spray Redmil® (2g/litre) or Akomin® (2ml/litre).</p>
Brinjal	Flowering and fruit setting	<p style="text-align: center;">Shoot and Fruit borer</p> 	<p>Remove and destroy affected fruits and shoots. Spray chlorantraniliprole (coragen 3ml per 10 l of water) 2-3 times at weekly interval.</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.</p> <p>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>
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Nodal Officer,
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**** 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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