



Agromet Advisory Bulletin for the District, Malappuram

(Valid from 25.12.2024 to 29.12.2024)

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



Bulletin Number: Pilicode/Mpm-103/2024	Date: 24/12/2024
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A. Weather Summary of preceding five days


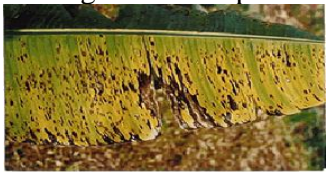




Rainfall, mm	Max. temp., °C	Min. temp., °C	R. H., %	Wind speed, Km/h
0.0	31.4 – 33.3	22.2 – 24.7	48 – 84	04 – 14





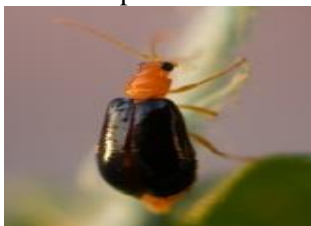
B. Weather forecast for next five days

Parameters	25-12-2024	26-12-2024	27-12-2024	28-12-2024	29-12-2024
Average Rainfall, mm	0.5	0	0.5	1.5	0
Max. Temp, °C	32	32	32	32	33
Min. Temp, °C	23	23	23	23	23
Max. Relative Humidity, %	85	85	85	85	85
Min. Relative Humidity, %	55	55	55	55	55
Wind speed, km/h	5	5	5	4	4
Wind direction, degrees	250	270	270	270	320
Total cloud cover, octa	5	2	2	5	2

C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
General conditions	Light to Moderate 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 will be light rainfall (From 2.5 mm to 15.5 mm within a time span of 24 hours) on December 24.</p> <p>There is no rainfall on December 25 and 28</p> <p>There will be Light to Moderate rainfall (From 2.5 mm to 64.4 mm within a time span of 24 hours) on December 26 and 27</p>		
General Recommendations	<p>Drain the stagnating water from the cultivated areas where heavy water stagnations occurs.</p> <p>Harvest the matured crops and transport to store houses quickly. Do not heap the harvested produces in the field itself or in open places.</p> <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>Spraying should be done only if sufficient intervals are available between the rainfalls.</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>Sucking pests</p>  <p>The climate is favourable for the spread of sucking pests like mealy bug, jassids, 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>Or</p> <p>Apply malathion 50 EC @ 2 ml + neem oil 4ml per litre of water</p>

Cucurbit Vegetables	Planting	<p>Downy mildew</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.
Cucurbitaceous Vegetables	Flowering and fruit setting	<p>Melon fruit flies</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
Tomato	Growing stage	<p>Wilt</p> 	If disease is seen, spray Redmil® (2g/litre) or Akomin® (2ml/litre).
Brinjal	Flowering and fruit setting	<p>Shoot and Fruit borer</p> 	Remove and destroy affected fruits and shoots. Spray chlorantraniliprole (coragen 3ml per 10 l of water) 2-3 times at weekly interval.
Pumpkin	All stages	<p>Pumpkin beetle</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.

Sd/-
Nodal Officer,
GKMS Project, RARS Pilicode

**** 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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