



# Agromet Advisory Bulletin for the District, Malappuram

(Valid from 11.01.2025 to 15.01.2025)

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



<b>Bulletin Number: Pilicode/Mpm-03/2025</b>	<b>Date: 10/01/2025</b>
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## A. Weather Summary of preceding four days





Rainfall, mm	Max. temp., °C	Min. temp., °C	R. H., %	Wind speed, Km/h
0.0	32.2 – 34.0	22.6 – 23.2	48 – 77	08– 14






## B. Weather forecast for next five days

Parameters	11-01-2025	12-01-2025	13-01-2025	14-01-2025	15-01-2025
Average Rainfall, mm	0	0.1	0.1	1	1
Max. Temp, °C	33	33	33	33	33
Min. Temp, °C	23	23	23	23	23
Max. Relative Humidity, %	77	77	77	77	77
Min. Relative Humidity, %	57	57	57	57	57
Wind speed, km/h	4	2	2	2	2
Wind direction, degrees	290	290	270	290	290
Total cloud cover, octa	2	7	7	7	7

## C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
	<b>Light to Moderate Rainfall **</b>		
<b>General conditions</b>	The sky will be cloudy. High relative humidity will be experienced.		
	Low night temperature and high day temperature will be experienced. Hence there will be distinct difference between day time temperature and night temperature.		
	There is no rainfall on January 10.		
	There will be light rainfalls (From 2.5 mm to 15.5 mm within a time span of 24 hours) on January 11 and 12.		
	There will be light to moderate rainfalls (From 2.5 mm to 64.4 mm within a time span of 24 hours) on January 13 and 14.		
<b>General Recommendations</b>	Irrigate the crop when the water is available in the evening or early morning. Adopt drip irrigation method for maximum water use efficiency		
	Give mulches in crop basins to prevent water loss from soil.		
	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>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>		
Rice	Tillering	<p><b>Leaf folder</b></p> 	<p>If leaf folder attack is seen, unfold the leaves by rolling thorny wires/twigs over the canopy. If the attack is severe spot spraying of flubendiamide 39.35%SC @ 1.0 ml/10L is recommended. Attack will be more in shaded conditions. Avoid excessive Nitrogenous fertilizers</p>
Coconut	Various stages	<p><b>Red palm weevil</b></p> 	<p>The palms can be saved only if the attack is diagnosed at an early stage. Hence more frequently inspect the palms. The attack can be diagnosed by the presence of yellowing of upper and middle whirls of leaves and holes at the jointing region of leaf petioles to the trunk. Insect excrement, pupal cases etc. may also be seen in the crown or basins of the palms.</p> <p>Control: Prepare Spinosad @ 4ml/litre of water and fill in the holes on the trunks and axils of the second and third whirls of leaves, from the spindle leaf.</p> <p>Adopt field sanitation.</p>
Black Pepper	All stages	<p><b>Mealy bugs on the roots</b></p> <p>Syptoms: Older leaves turns dark yellow. While opening soil in the rootzone, mealy bugs can be seen (as shown in the picture) stuck on the roots.</p> 	<p>Open the top soil. Drench the soil (only if the bug is seen stuck on the roots) with Chlorpyrifos @ 2ml/litre or apply Fipronil granule @ 20g/vine.</p>
Mango	Fruit maturing stage	<p><b>Mango fruit flies</b></p> 	<p>Collect and destroy the fallen fruits by taking deep pits atleast 60 cm depth. Set up pheromone trap (methyl eugenol trap) @ 1 trap/15 cents.</p>

Various crops	Various stages	<p style="text-align: center;"><b>Sucking pests</b></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>
Bitter gourd	All stages	<p style="text-align: center;"><b>Fruit fly</b></p> 	<p>Setting up of pheromone trap(Cue lure @1/15 cent)</p> <p style="text-align: center;">+</p> <p>Spot application of 10 % jaggery containing 0.1 % malathion@1 spot/40 m<sup>2</sup> on underside of leaves at fortnight intervals.</p>
Cucurbits	All stages	<p style="text-align: center;"><b>Powdery mildew on cucurbits</b></p> 	<p>As a prophylactic measure apply 'Mancozeb'(@ 2g/l of water).</p> <p>If disease appeared, spray lime sulfur (@3g/L of water) on both surfaces of the leaves. Repeat after 10 days.</p>
Cucurbitaceus vegetables	All stages	<p style="text-align: center;"><b>Yellow mosaic virus</b></p> 	<p>Pull out the infected plants and burn or burry them.</p> <p>Spray difenthuron @ 1g/ litre.</p>
Amaranths'	All stages	<p style="text-align: center;"><b>Leaf blight</b></p> 	<p>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.</p>

Pumpkin	All stages	<p style="text-align: center;">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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Sd/-  
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**\*\* Warning colour codes of rainfall (for disaster management)**

<b>Warning (Take actions)</b>	<b>Alert (Be prepared)</b>	<b>Watch (Be updated)</b>	<b>No warning (No actions)</b>
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