



Agromet Advisory Bulletin for the District, Malappuram

(Valid from 01.02.2025 to 05.02.2025)

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



Bulletin Number: Pilicode/Mpm-09/2025	Date: 31/01/2025
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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 – 34.8	22.5 – 24.7	52–80	10– 12



B. Weather forecast for next five days

Parameters	01-02-2025	02-02-2025	03-02-2025	04-02-2025	05-02-2025
Average Rainfall, mm	0	0	0	0	0
Max. Temp, °C	35	35	35	35	35
Min. Temp, °C	25	25	25	25	25
Max. Relative Humidity, %	78	78	78	78	78
Min. Relative Humidity, %	52	52	52	52	52
Wind speed, km/h	2	2	2	2	2
Wind direction, degrees	230	270	250	250	200
Total cloud cover, octa	5	5	6	3	3

C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
General conditions	No 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 January 31 to February 04.</p>		
General Recommendations	<p>In plantation crops, water conservation measures should be adopted. Give mulching in the soil with crop residues, green or dried leaves. 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>Restrict the spraying of pesticides/fungicides operations to early morning and evening hours when the air is calm.</p> <p>Irrigate the crop when the water is available in the evening or early morning. Adopt drip irrigation method for maximum water use efficiency</p>		

Paddy	Grain filling stage	<p>Rice bug</p> 	<p>Apply Azadiractin 3000ppm stock after diluting in water @ 3ml/L. To have a better control add and stir one to two ml. of Malathion 50EC per litre of the diluted Azadiractin solution before applying. The spraying should be done in the evening, immediately after sunset.</p>
Rice	Flowering stage	<p>Blast disease</p> 	<p>Spray Fujione (@ 2ml per litre of water)</p> <p>Spray Fujione or Nativo (@ 2ml/litre of water)</p>
Coconut	All stages	<p>Stem bleeding</p> 	<p>Chisel out the affected parts and apply Bordeaux paste.</p> <p>Drench the palm basin (2m radius) with 40 litres of 1% Bordeaux mixture.</p> <p>After one month, apply 5 kg Trichoderma enriched neem cake and 500g of Ayar® (micro nutrient mixture)</p>
Mango	Fruit maturing stage	<p>Mango fruit flies</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>
Bitter gourd	All stages	<p>Fruit fly</p> 	<p>Setting up of pheromone trap(Cue lure @1/15 cent)</p> <p>+</p> <p>Spot application of 10 % jaggery containing 0.1 % malathion@1 spot/40 m² on underside of leaves at fortnight intervals.</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>

Amaranth's	All stages	<p style="text-align: center;">Leaf blight</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 <i>Pseudomonas fluorescens</i> (2%) or <i>Trichoderma viridae</i> (2%) as soil application.</p>
Bovines	All stage	<p style="text-align: center;">Lumpy skin</p> 	<p>Lumpy skin disease is a viral disease that affects cattle and it is transmitted by blood-feeding insects, such as certain species of flies and mosquitoes, or ticks. It causes fever, nodules on the skin and can also lead to death.</p> <p>Prevention: Keep the shed and surroundings clean and hygiene. Movement of cattle should be controlled and provide vaccination under the recommendation of veterinary doctor.</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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Nodal Officer,
GKMS Project, RARS Pilicode