



Agromet Advisory Bulletin for the District, Malappuram

(Valid from 22.02.2025 to 26.02.2025)

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



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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	33.3 – 35.4	24.0 – 25.5	55 – 84	08 – 12




B. Weather forecast for next five days

Parameters	22-02-2025	23-02-2025	24-02-2025	25-02-2025	26-02-2025
Average Rainfall, mm	0	0	0	0	0
Max. Temp, °C	34	34	34	34	34
Min. Temp, °C	25	25	25	25	25
Max. Relative Humidity, %	83	85	80	80	80
Min. Relative Humidity, %	55	58	52	52	52
Wind speed, km/h	6	3	3	3	3
Wind direction, degrees	250	250	250	230	250
Total cloud cover, octa	2	5	2	2	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>No rainfall from February 21 to 25.</p>		
General Recommendations	<p>Mulch the crop basins.</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> <p>Foliar spray of nitrogen fertilizers and micronutrients during the dry spell protects and improves the endurance of crop to the drought conditions.</p> <p>Repair and rejuvenate local water bodies before the rainy season.</p> <p>Remove the weeds from fields. Those weeds can be used for mulching to avoid water loss. Take up hoeing or intercultural operations to make soil dust mulch to conserve soil moisture, remove weeds and break soil surface crust.</p>		

	<p>Restrict the application of chemical fertilizers and poultry manure in un- irrigated areas.</p> <p>Apply lime on tree trunk.</p>		
Coconut	All stages	Drought Management	<ol style="list-style-type: none"> 1) Cut two green leaves from the bottom layer, to reduce the water loss from the tree. 2) Apply compost/dried leaves in the basins to increase water holding capacity. 3) Adopt drip irrigation. This will minimize the irrigation water loss. Protect the newly planted young seedlings from direct sunlight falling on it by providing good shades.
Coconut	Various stages	<p>Leaf eating caterpillar</p> 	<p>The season is congenial for the spread of leaf eating caterpillars in coastal areas. Cut and burn the affected leaves. Release larval parasitoids, <i>Goniozus nephantidis</i>, @10 nos/palm (4-6 release) on the trunk</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>
Arecanut	Seedlings (3-4 years)	<p>Leaf blight ,Bud rot</p> 	<p>Leaf blight :Apply 1% Bordeaux mixture</p>
Arecanut	Bearing palms	<p>Inflorescence die back and button shedding</p> 	<p>Warm humid conditions may cause this disease. Spray Hexaconazole (Contaf) 1 ml/litre or Bordeaux mixture 1%. Repeat after 20-25 days.</p>

Okra	All stages	<p>Shoot and Fruit borer</p> 	<p>Spray neem oil emulsion @ 5 %, at intervals of 15 to 20 days.</p> <p>Or</p> <p>Spraying with quinalphos 25 EC (2 ml per litre of water).</p>
Cowpea	All stages	<p>Aphid</p> 	<p>Spray 3% Neemoil garlic emulsion or Dimethoate @ 2 ml/L</p>
Poultry and pet birds	Different stages	<p>Summer stress</p> 	<p>To combat heat stress, the poultry sheds should be protected from direct sunlight, roofing can be painted white to reflect heat, fans can be fitted, cool water can be sprayed, plenty of clean water can be provided with ice, glucose and 0.1 % sodium bicarbonate, feed offered during the cooler parts of the day can be supplemented with 20% extra vitamins, phosphorous and vitamin C.</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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