



# Agromet Advisory Bulletin for the District, Kozhikode

(Valid from 10.01.2024 to 14.01.2024)



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

Bulletin Number: Pilicode/Kkd-03/2024

Date: 09/01/2024

## A. Weather Summary of preceding five days





Rainfall, mm	Max. temp., °C	Min. temp., °C	R. H., %	Wind speed, Km/h
110.5	31.4 – 34.4	23.0 – 25.6	63 – 93	00 - 06




## B. Weather forecast for next five days

Parameters	10-01-2024	11-01-2024	12-01-2024	13-01-2024	14-01-2024
Rainfall, mm	10	0.2	0	0	0
Max. Temp, °C	34	35	35	35	35
Min. Temp, °C	25	25	25	25	25
Max. Relative Humidity, %	93	93	93	93	93
Min. Relative Humidity, %	63	63	63	63	63
Wind speed, km/h	3	2	2	2	4
Wind direction, degrees	270	270	270	270	270
Total cloud cover, octa	8	8	6	5	5

## C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
	<b>Isolated light rain **</b>		
<b><u>General conditions</u></b>	<p>The sky will be cloudy. High relative humidity will be experienced. The atmospheric temperature will may also be lowered due to rain.</p> <p>There will be isolated light rainfalls (from 2.5mm to 15.5 mm within a time span of 24 hours) in most places are very likely from January 9<sup>th</sup> to January 13<sup>th</sup>.</p>		
<b><u>General Recommendations</u></b>	<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>Provide propping to tender stem crops like banana, tomato etc. Ensure sufficient drainage in crop fields. Beware of lightning. Give popping to slender stemmed and easily lodging crops like banana, vegetables etc.</p> <p>Take care while drying the harvested produces like rubber, cashew nut, copra etc., directly under the sun. Beware of thunder and lightning.</p>		
Vegetables	Various crop stages at different localities (from sowing and Transplanting to fruiting)	<p>While preparing the land, incorporate lime @ 4kg/cent to the soil. Use Trichoderma enriched farm yard manure/compost. This will check the spread of wilt diseases.</p> <p>Before transplanting, dip the roots of the seedlings in slurry of pseudomonas (20g pseudomonas/litre of water) for 30 minutes. This will help the seedlings to grow vigorously.</p>	

		<p>Also the seedlings can be sprayed with diluted pseudomonas culture solution (@20ml dissolved in one litre of water).</p> <p>As prophylactic measures, especially where organic cultivation is practiced, spray Neem based insecticides (@2ml/litre) at fortnight intervals</p> <p>Mulch the crop basins. Irrigate the crop regularly either at morning or evening time. IF possible adopt drip irrigation method</p> <p>Provide strong supports to the slender stemmed (eg.: tomato) and vine type crops (eg.: bitter guard, ridge guard, snake guard etc.)</p> <p>At the flowering stage spray 5000ppm boron solution (Solubor @5g/litre)</p>	
Paddy	Various Stages (Flowering to hardening phase)	<p>In areas where rice is in the grain hardening phase, completely drain the water from fields. In areas where rice is in flowering to grain filling stage permit flooding upto the level of 5cm thickness of water.</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>
Black pepper	All stages	<p>Foot rot</p> 	<p>Spray potassium phosphonate @15ml/ litre of water. Give a second spray also after 25days.</p>
Cashew	Flushing and flowering stage	<p>Tea mosquito bug attack and associated fungal diseases</p> 	<p>Spray of combination of Mancozeb (@2g/litre) + Ekalux (2ml/litre)</p>

Ginger	All stages	<p>Rhizome rot</p> 	Rhizome rot: Drain the field. Drench the field with 1% Bordeaux mixture.
Ginger	Early growth stage	<p>Stem borer</p> 	<p>Apply any neem based insecticide @4ml/l</p> <p>OR</p> <p>Spray Flubendiamide (Fame -2 ml in10 litres of water) 2-3 times at weekly interval.</p>
Tomato	All stages	<p>Bacterial wilt</p> 	Drench the soil with copper oxy chloride 2% (2g/ litre water).

**\*\* 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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Nodal Officer,  
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