



Agromet Advisory Bulletin for the District, Kannur

(Valid from 03.01.2024 to 07.01.2024)

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



Bulletin Number:Pilicode/Knr-01/2024 **Date:**02/01/2024

A. Weather Summary of preceding five days




Rainfall, mm	Max. temp., °C	Min. temp., °C	R. H., %	Wind speed, Km/h
0.0	34.6 – 36.6	24.1 – 25.1	63 – 73	02 - 04



B. Weather forecast for next five days

Parameters	03-01-2024	04-01-2024	05-01-2024	06-01-2024	07-01-2024
Average Rainfall, mm	3	1	5	19	0
Max. Temp, °C	36	35	35	37	37
Min. Temp, °C	25	25	25	23	23
Max. Relative Humidity, %	73	73	90	93	80
Min. Relative Humidity, %	63	63	78	80	70
Wind speed, km/h	2	2	4	6	4
Wind direction, degrees	250	250	200	270	130
Total cloud cover, octa	8	8	8	8	7

C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
General conditions	Very little rainfall **		
	Very little rainfall. High relative humidity will be experienced.		
	Low night temperature and increased day temperature will be experienced. Hence there will be distinct difference between day time temperature and night temperature. Isolated heavy rainfall very likely on 5 th January 2024.		
General Recommendations	Mulch the crop basins. Irrigate the crop on 02, 03 and 04 January when the water is available in the evening or early morning and continue the irrigation from 06 January. Adopt drip irrigation method for maximum water use efficiency.		
Vegetables	Various crop stages at different localities (from sowing and Transplanting to fruiting)	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. 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. Also the seedlings can be sprayed with diluted pseudomonas culture solution (@20ml dissolved in one litre of water).	

		<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>	
Coconut	All stages	<p>Rhinoceros beetle</p>  <p>Dwarf varieties and young palms are more vulnerable to the attack.</p>	<p>Take out the beetles from the attacked palm crown using beetle hook. Swab the hole made by the beetles with Bordeaux paste to prevent entry of fungus through the cut surface.</p> <p>Old fishnets can be used for controlling the pest. Cut the nets into pieces of size 1m x 0.5m. Keep the middle portion of the net, lengthwise into the axils of 3rd and 4th leaf whirls of the palm. Push the net firmly with small stones into the axils. The hanging sides of the net should be kept open. The beetles will be trapped in the nets and get destroyed. Care should be taken to move the nets to upper leaf axils accordingly while fresh leaves are emerging.</p>
Black pepper	All stages	<p>Pollu disease</p> 	<p>Spray hexaconazole (@ 2ml/litre of water)</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>

Mango	Different stages	<p>Anthracnose disease</p> 	Spray copper oxy chloride or hexaconazole (@ 2ml/litre of water)
Jack	Various stages	<p>Fruit fall due to fungal infections</p> 	Spray Bordeaux mixture (1% strength).

**** 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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Sd/-
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