



Agromet Advisory Bulletin for the District, Kozhikode (Valid from 09.12.2023 to 13.12.2023)



(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
0.6	33.8 – 35.2	25.4 – 26.2	64 – 86	00 - 06






B. Weather forecast for next five days

Parameters	09-12-2023	10-12-2023	11-12-2023	12-12-2023	13-12-2023
Rainfall, mm	5	10	7	10	2
Max. Temp, °C	35	35	35	35	35
Min. Temp, °C	26	26	26	26	26
Max. Relative Humidity, %	90	90	90	90	90
Min. Relative Humidity, %	65	65	65	65	65
Wind speed, km/h	5	5	4	4	4
Wind direction, degrees	250	180	270	270	270
Total cloud cover, octa	8	8	8	8	8

C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
<u>General conditions</u>	Light to moderate rainfalls **		
	<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 will be light to moderate (from 2.5mm to 15.5 mm within a time span of 24 hours) in most places on December 08th, 10th, 11th, and 12th.</p> <p>There will be Isolated heavy rainfalls (from 15.6mm to 64.4 mm within a time span of 24 hours) in most places on December 09th.</p>		
<u>General Recommendations</u>	<p>Do not spread produces (Copra, rice, vegetable seeds, rubber etc. under open conditions for drying. Keep the cattle feeds and fertilizers on elevated platforms in moisture free rooms.</p> <p>Harvesting of water in the cropped lands will help to delaying irrigation and drought. Mulch the crop basins. Prevent excessive drainage of the water from the field. The loosened soil while opening of basins for manuring tree crops may help for the penetration and collection of water in the soil. If possible divert the run-off water to such basins.</p> <p>Maintain hygiene conditions in crop fields. Infected and fallen nuts, leaves and tree parts should</p>		

	<p>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. Take care while drying the harvested produces like rubber, cashew nut, copra etc., directly under the sun.</p>	
Paddy	<p>Transplanting in late second cropped (Mundakan season) areas, where flooding occurs during the monsoon season.</p>	<p>Apply FYM/compost @ 20kg/cent and incorporate with the soil along with ploughing. To correct the iron toxicity problem in midland lateritic soils, apply lime/dolomite as recommended in the soil test result. If not, apply lime/dolomite @ 2kg/cent (40sq.m) and incorporate thoroughly with the soil at least 14 days before the application of chemical fertilizers. Repeat lime application at the same rate after 30-40 days of transplanting also</p> <p>To prevent the leaching loss of water and nutrients from the fields thoroughly block the crab holes and cracks on the bunds by plastering with mud.</p>
Vegetables	<p>Transplanting/ sowing</p>	<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>
Coconut	<p>All stages</p>	<p style="text-align: center;">Basal rot</p>  <p>Drench the basin with Hexaconazole (25 ml in 25 L of water).</p> <p>After one week apply lime @ 2 kg per palm.</p> <p>Apply Potash @ 1 kg per palm three weeks after lime application to improve the health of palm, in addition to the regular dose.</p> <p>Avoid flood irrigation to prevent the spread of pathogen.</p>
Cashew	<p>Pre-bearing stages</p>	<p style="text-align: center;">Tea mosquito bug</p>  <p>Two weeks after giving the first spray give second spray with Mancozeb (@2g/litre) and quinalphos (2ml/litre of Bordeaux mixture)</p>

Vegetables	Different stages	<p>Sucking Pests</p> 	<p>Spray neem based insecticide (@ 4ml insecticide/litre of water). Repeat the spraying at every seven days intervals till flowering. If there is severe attack, spray Actara® (@2g/10 liters of water). Spray the insecticides on both surfaces of the leaves.</p>
Amaranthus	All stages	<p>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 Pseudomonas fluorescens (2%) or Trichoderma viridae (2%) as soil application.</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>
Mango	Flowering stage	<p>Mango hoppers</p> 	<p>Spray Azadirachtin (@5ml/litre Azadirachtin 3000pmm)</p>
Cow	Any stage	<p>FMD (Foot and Mouth disease)</p> 	<p>Foot and Mouth disease is a highly transmissible disease caused by infection with an Aphthovirus. The infection results in vesicular lesions in and around the mouth and on the feet, resulting in the reluctance of an animal to eat or move.</p> <p>Prevention: Ensure hygienic conditions for the individual animals as well as their shelter and its surroundings. Boost the immunity of cattle by supplementing feeds with vitamins and minerals containing health tonics. If disease appears, give medication under the supervision of a Veterinary doctor immediately.</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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