



Agromet Advisory Bulletin for the District, Kozhikode

(Valid from 17.08.2022 to 21.08.2022)

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



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Date: 16/08/2022


A. Weather Summary of preceding five days






Rainfall, mm	Max. temp., °C	Min. temp., °C	R. H., %	Wind speed, Km/h
28.7	31.4 – 33.5	23.2 – 25.0	73 - 95	00 - 08





B. Weather forecast for next four days

Parameters	17-08-2022	18-08-2022	19-08-2022	20-08-2022	21-08-2022
Rainfall, mm	0.5	0.5	0.5	1	0.8
Max. Temp, °C	33	32	32	32	32
Min. Temp, °C	24	25	25	25	25
Max. Relative Humidity, %	92	90	90	90	91
Min. Relative Humidity, %	58	63	61	62	66
Wind speed, km/h	5	5	6	6	5
Wind direction, degrees	250	290	270	270	270
Total cloud cover, octa	6	6	7	7	7

C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
	Light rainfalls **		
General conditions	There will be light rainfalls (up to 15.5 mm within a time span of 24 hours.) As per the extended rainfall forecast, there will be rain during the next week also. The sky will be cloudy. High relative humidity will be experienced. High atmospheric temperature and heat index will be felt during the rain free intervals.		
General Recommendations	The prevailing climatic conditions may favour disease causing fungus and bacteria to spread its fruiting bodies. Hence beware of diseases like rots and wilts in coconut, arecanut, black pepper, rubber, ginger, banana etc. leaf blight and bacterial leaf blight in rice. Maintain hygiene conditions in crop fields. Infected and fallen nuts, leaves and tree parts should be removed from the fields and burnt.		
Paddy	Flowering to milky stage	Rice bug 	Strict vigilance is necessary at milky stage. Keep the field and bunds free of weeds and grasses. If attack is seen apply fish amino acid @ 20 ml/litre.

Paddy	All stages	<p>Borwn spot disease</p> 	<p>Prophylactic spray of <i>Pseudomonas fluorescens</i> (@ 20g/l) is recommended.</p> <p>If disease appears only, spray fungicide Nativo® (@ 4g per 10 litres of water)</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 reused 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>
Coconut	All stages	<p>Red palm weevil</p> 	<p>The palms can be saved only if the attack is diagnosed at an early stage. Hence more frequently inspect the palms. The attack can be diagnosed by the presence of yellowing of upper and middle whirls of leaves and holes at the jointing region of leaf petioles to the trunk. Insect excrement, pupal cases etc. may also be seen in the crown or basins of the palms.</p> <p>Control: Prepare Imidachlorpid solution (@ 1ml/10 litre of water) and fill in the holes. Adopt field sanitation.</p>
Coconut	All stages	<p>Bud rot</p> 	<p>Detection of disease at its early stage will help to adopt efficient corrective measures. Cut and remove the affected tissues from the crown and apply Bordeaux paste. After that cover the cut surface with polythene sheets to protect it from rain falls until new leaf emerges.</p> <p>Burn the removed tissues immediately.</p> <p>As a prophylactic measure spray 1% Bordeaux mixture into the axils of top leaves of the surrounding palms</p>
Black pepper	All stages	<p>Foot rot</p> 	<p>As prophylactic measure, apply 150 gram of Trichoderma enriched neem cake - cow dung mixture in the basins of the vines and incorporate thoroughly with the soil.</p>

Banana	Various stages of growth	<p>Sigatoka leaf spot</p> 	<p>There should not be any water stagnation in the basins of the crop. As a prophylactic measure spray Pseudomonas (@ 20g/litre) at fortnight intervals.</p> <p>If disease appears:-Cut and burn all affected leaves. Spray Carbendazim and Mancozeb (@ 2ml per litre) alternatively at fortnight interval</p>
Areca nut	Bearing Stage	<p>Mahali disease</p> 	<p>Apply Bordeaux mixture (1%) to the bunch and leaves.</p>
Ginger	Early growth stage	<p>Wilt disease</p> 	<p>Apply lime @ 200 kg per acre of land and thoroughly mix with soil.</p> <p>Use bio control agents, Trichoderma/Pseudomonas.</p> <p>Pull out and destroy the affected plants immediately when the disease is noticed.</p> <p>Drench the fields with 1% Bordeaux mixture</p>
Cow	Milking	<p>Mastitis</p> 	<p>The disease is common on cows which are sheltered in unhygienic conditions.</p> <p>Symptoms:- The symptoms are change in composition of milk and turning the milk into an yellow watery liquid , severe fever, lack of appetite, abortions etc. If not treated the cow may lose its milk yielding capacity permanently. Also the cow may lose mobility and gradually death may occur.</p> <p>Prevention:- Ensure hygienic conditions for the individual animals as well as their shelter and its surroundings The milking machines should be cleaned properly after every use. Boost the immunity of cattle by supplementing feeds with vitamins and minerals containing health tonics.</p> <p>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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