



Agromet Advisory Bulletin for the District, Kannur

(Valid from 07.10.2023 to 11.10.2023)

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



Bulletin Number: Pilicode/Knr-80/2023 **Date: 06/10/2023**

A. Weather Summary of preceding four days




Rainfall, mm	Max. temp., °C	Min. temp., °C	R. H., %	Wind speed, Km/h
0.6	32.6 – 33.2	24.0 – 24.3	74 – 89	00 - 08





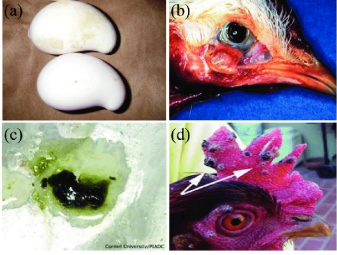
B. Weather forecast for next five days


Parameters	07-10-2023	08-10-2023	09-10-2023	10-10-2023	11-10-2023
Average Rainfall, mm	0.1	0.1	5	15	7
Max. Temp, °C	33	33	32	32	32
Min. Temp, °C	24	24	24	24	24
Max. Relative Humidity, %	90	95	90	92	90
Min. Relative Humidity, %	74	65	60	60	60
Wind speed, km/h	6	6	5	4	4
Wind direction, degrees	290	290	290	290	270
Total cloud cover, octa	7	8	8	8	8

C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
			Isolated heavy rainfalls **
<u>General conditions</u>			<p>The sky will be cloudy. High relative humidity will be experienced. The atmospheric temperature will come down.</p> <p>There will be isolated heavy rainfalls (up to 115.5 mm within a time span of 24 hours.) in most places are very likely on October 8th and October 9th.</p> <p>There will be light rainfalls (from 2.5mm to 15.5 mm within a time span of 24 hours) in most places on October 6th and October 7th.</p>
<u>General Recommendations</u>			<p>Keep all drainage channels opened in the cultivated areas</p> <p>Transport perishable produces like rubber, copra, pulses, vegetables, seeds, etc. and animal feeds and fertilizers from open places to store houses. Collect and store sufficient feeds for the livestock. Keep the seeds fertilizers and cattle feeds on moisture free and elevated plant forms.</p> <p>Beware of heavy wind. Don't rest under the trees and in weak shelters.</p> <p>Neither keep the livestock in open places, nor allow them for grazing. They should be sheltered under strong roofs.</p>

	Postpone activities like fertilizer application, sowing etc. till climatic conditions become favorable. Don't go for any agricultural operations if there is extremely heavy rainfalls. Stay safe and listen for alerts from district disaster management authorities.	
Rice	Transplanting stage for second crop	<p>Dip the roots of the seedlings in slurry of pseudomonas (20g pseudomonas/litre of water) for 30 minutes just before transplanting. This will help the seedlings to grow vigorously.</p> <p>Apply fertilizers at the occasion of no rainfalls, after lowering the water and blocking all drainage channels.</p> <p>While transplanting, apply 400g urea, 900g mussooriephos and 150g muriate of potash for the medium duration varieties and 400g urea, 700g mussooriephos and 120g muriate of potash for the short duration varieties to each cent (40 square meter) of land area.</p>
Cool season vegetables	Land preparation	Lime or dolomite should be applied depending on soil acidity and incorporate thoroughly with the soil at least 14 days before the application of chemical fertilizers. This will not only reduce the acidity but also control the soil borne diseases.
Coconut	All stages	<p style="text-align: center;">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>
Coconut	All stages	<p style="text-align: center;">Stem bleeding</p>  <p>Chisel out the affected parts and apply Bordeaux paste.</p> <p>Drench the palm basin (2m radius) with 40 litres of 1% Bordeaux mixture or soil drenching of Hexaconazole (Contaf®) 25ml/25 litre of water once in 4 months.</p> <p>After one month, apply 5 kg Trichoderma enriched neem cake and 500g of Ayar® (micro nutrient mixture)</p>
Black pepper	All stages	<p style="text-align: center;">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. If disease already appeared, drench soil in the plant basins with Redomil 0.2% (2g/litre of water). Spray the same on the leaves also.</p>

Banana	Various stages of growth	<p>Rhizome rot</p> 	<p>Ensure good drainage in the garden</p> <p>Drench with Streptocyclin antibiotic (@2g/10L)</p> <p>Or</p> <p>Copperhydroxide (20g/10L) at the basin of the plant.</p>
Banana	All stages	<p>Pseudostem weevil</p> 	<p>Field sanitation. Remove the affected parts and burn it using kerosene. Apply fipronil 0.015% (3 ml/l). Apply Beauveria bassiana @ 20 g l⁻¹ at 5, 6 and 7 month after planting.</p>
Cashew	Pre-bearing stages	<p>Tea mosquito bug</p> 	<p>Prophylactic measures:</p> <p>1) The fungal biological control agent, <i>Beavaria bassiana</i> can be sprayed @ 20g/L</p> <p>Or</p> <p>2) Spray 1% Bordeaux mixture mixed with quinalphos (2ml/litre of Bordeaux mixture)</p>
Ginger	All stages	<p>Rhizoctonia leaf blight</p> 	<p>Spray carbendazim (@2g/litre of water)</p>
Poultry	Any stage	<p>Newcastle Disease</p> 	<p>Newcastle disease or Ranikhet disease is a highly contagious disease of birds caused by a para-myxo virus. This infection results gasping and coughing, drooping wings, dragging legs, twisting of the head and neck, circling, in appetite, complete paralysis.</p> <p>Prevention: Ensure complete hygiene condition for birds and chicken coops. Provide vaccinations with Live B1 and La Sota strains administrated in drinking water intranasally or intraocularly.</p>

Cow	Any stage	<p style="text-align: center;">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.</p> <p>If disease appears, give medication under the supervision of a Veterinary doctor immediately.</p>
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**** 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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Nodal Officer,
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