Agromet Advisory Bulletin for the District, Kozhikode
(Valid from 07.10.2023to 11.10.2023)

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

Bulletin Number:Pilicode/Kkd-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
0.0	30.6 – 34.2	23.8 – 24.8	67 – 97	00 - 06
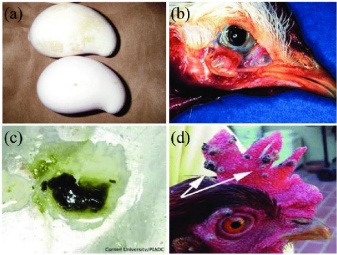
B.Weather forecast for next five days

Parameters	07-10-2023	08-10-2023	09-10-2023	10-10-2023	11-10-2023
Rainfall, mm	0.1	0.1	8	15	7
Max. Temp, °C	34	34	34	34	34
Min. Temp,°C	24	24	25	25	25
Max. Relative Humidity, %	95	90	90	94	90
Min. Relative Humidity, %	67	60	70	70	75
Wind speed,km/h	6	7	6	6	5
Wind direction, degrees	290	290	290	290	290
Total cloud cover, octa	4	8	8	8	8

C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
	Light rainfall **		
General conditions	The sky will be cloudy. High relative humidity will be experienced. Low night temperature and high day temperature will be experienced. Hence there will be distinct difference between day time temperature and night temperature. 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. There will be light to moderate rainfalls (from 15.6mm to 64.4 mm within a time span of 24 hours) in most places from October 8th to October 10th.		
General Recommen dations	Ensure sufficient drainage in crop fields. The weather is favorable for the spread of fungal diseases like bud rot of coconut, mahali in arecanut, quick wilt in black pepper, rhizome rot diseases in ginger and turmeric. Maintain hygiene conditions in crop fields. Infected and fallen nuts, leaves and tree parts should be removed from the fields and burnt. 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.
Rice	Transplanting stage for second crop	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.
		Apply fertilizers at the occasion of no rainfalls, after lowering the water and blocking all drainage channels.
		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.
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.

		Bud rot	
Coconut	All stages		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.
			Burn the removed tissues immediately.
			As a prophylactic measure spray 1% Bordeaux mixture into the axils of top leaves of the surrounding palms

		Stem bleeding	
Coconut	All stages		Chisel out the affected parts and apply Bordeaux paste.
			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.
			After one month, apply 5 kg Trichoderma enriched neem cake and 500g of Ayar® (micro nutrient mixture)

		Foot rot	
Black pepper	All stages		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.

Banana	Various stages of growth	Rhizome rot	Ensure good drainage in the garden Drench with Streprocyclin antibiotic (@2g/10L) Or Copperhydroxide (20g/10L) at the basin of the plant.
Banana	All stages	Pseudostem weevil	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.
Cashew	Pre-bearing stages	Tea mosquito bug	Prophylactic measures: 1) The fungal biological control agent, *Beavaria bassiana* can be sprayed @ 20g/L **Or** 2) Spray 1% Bordeaux mixture mixed with quinalphos (2ml/litre of Bordeaux mixture)
Ginger	All stages	Rhizoctonia leaf blight	Spray carbendazim (@2g/litre of water)
Poultry	Any stage	Newcastle Disease	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 appetence, complete paralysis. **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.

Cow	Any stage	FMD (Foot and Mouth disease) 	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. **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.

** *Warning colour codes of rainfall (for disaster management)*

Warning (Take actions)	Alert (Be prepared)	Watch (Be updated)	No warning (No actions)

Sd/-
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