Agromet Advisory Bulletin for the District, Kasaragod
(Valid from 01.11.2023to 05.11.2023)

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

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A.Weather Summary of preceding five days

Rainfall, mm	Max. temp., ºC	Min. temp., ºC	R. H., %	Wind speed, Km/h
9.2	32.5 – 33.3	24.5 – 25.5	73– 94	01 - 02

B.Weather forecast for next five days

Parameters	01-11-2023	02-11-2023	03-11-2023	04-11-2023	05-11-2023
Rainfall, mm	5	4	0.1	15	15
Max. Temp, ºC	33	33	33	33	33
Min. Temp,ºC	27	26	26	26	26
Max. Relative Humidity, %	96	94	93	94	94
Min. Relative Humidity, %	79	78	76	78	78
Wind speed,km/h	2	2	2	2	2
Wind direction, degrees	270	270	250	230	200
Total cloud cover, octa	8	8	6	8	8

C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
	Light to Moderate rainfalls **		
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 from October 31st to November 04th.		
General Recommen dations	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. Beware of lightning. To cop up the summer season of 2024 year, the preparatory measures have to be undertaken from now onwards. As rainfall is predicted, ensure maximum water harvest in the fields. Clean the		

		rain pits. Cover the soil with dried leaves, especially the basins of crops. The opened tree basins which are partially filled after fertilizer application, can act as very good water harvesting structures. Hence divert the runoff water to such tree basins by drawing furrows.
Vegetables	Transplanting/ sowing	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).
Coconut	All stages	**Bud rot** 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
Coconut	All stages	**Red palm weevil** 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. Control: Prepare Imidachlorprid solution (@ 1ml/litre of water) and fill in the holes. Adopt field sanitation.
Black pepper	All stages	**Foot rot** 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	Sigatoka leaf spot 	There should not be any water stagnation in the basins of the crop. As a prophylactic measure spray Pseudomonas (@ 20g/litre) at fortnight intervals. If disease appears:-Cut and burn all affected leaves. Spray Carbendazim and Mancozeb (@ 2ml per litre) alternatively at fortnight intervals
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	Fusarium wilt 	Drain the field. Drench the field with copper oxy chloride solution (@2g/litre of water)
Turmeric	Different stages	Leaf blight 	Remove the severely affected leaves from the plants and destroy in fire. Spray copper oxy chloride on the plants (@2g/litre of water)
Vegetables	Planting	Downy mildew on cucurbits 	As a prophylactic measure apply 'Mancozeb'(@ 2g/l of water). If disease appeared, spray Akomin® (@3ml/L) on both surfaces of the leaves, thrice at 15 days interval. Remove and burn out the infested leaves.
Tomato	Growing stage	Wilt 	If disease is seen, spray Redmil® (2g/litre) or Akomin® (2ml/litre).

*** 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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