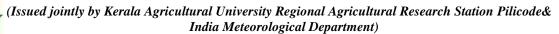


Agromet Advisory Bulletin for the District, Malappuram

(Valid from 01.05.2024 to 05.06.2024)





Bulletin Number:Pilicode/Mpm-44/2024 Date:31/05/2024

A. Weather Summary of preceding four days

Rainfall, mm	Max. temp., °C	Min. temp., °C	R. H., %	Wind speed, Km/h
51.0	28.9 – 31.7	25.0 – 26.2	73 – 92	04 - 12

B. Weather forecast for next five days

Parameters	01-06-2024	02-06-2024	03-06-2024	04-06-2024	05-06-2024
Average Rainfall, mm	15	18	20	8	12
Max. Temp, °C	30	30	30	30	30
Min. Temp,°C	25	25	25	25	25
Max. Relative Humidity, %	92	92	92	92	92
Min. Relative Humidity, %	73	73	73	73	73
Wind speed,km/h	4	2	2	2	2
Wind direction, degrees	290	270	270	270	270
Total cloud cover, octa	6	8	8	8	8

C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories		
	Isolated heavy rainfall **				
	Isolated heavy rainfall. The sky will be cloudy. High relative humidity will be experienced. The atmospheric temperature will come down. There will be isolated heavy rainfalls (From 64.5 mm to 115.5 mm within a time span of 24 hours) on May 31st to June 02nd				
General					
conditions					
	There will be light to moderate rainfalls (From 15.6 mm to 64.4mm within a time span of 24 hours)				
	on June 03 rd and 04 th .				
General Recommen	Harvest all the ripened fields quickly. Do not heap the harvested products in the field itself. Take care while drying the harvested rice directly under the sun, especially during the afternoon periods. Take care while drying the harvested products like rice, rubber, copra, pulses, vegetable seeds, etc directly under sun.				
dations					
	Give popping to all soft slender stemmed crops like banana, vegetables, climbers etc. Clean the drainage channels in crop lowlands to enable proper drainage of excess water in case of exigencies any.				

	Do not shelter the cattles in shelters having weak structures.				
	Keep animal feeds, seeds, coated with wooden panne	animal feeds, seeds, fertilizers etc. in termite free and moist free rooms on elevated platforms ed with wooden pannels.			
	temperature. Also avoid	nder open field conditions during 12 AM to 3 PM on the days with high avoid activities under open conditions while there is lightning. Also do not such unfavorable weather conditions. It seedlings of tree crops can be started. The pits can be taken if there is sufficient the soil. Ensure proper distance between the plants. The $^2/_3$ portions of the pits h the mixture of topsoil and powdered dry cow dung/compost.			
	moisture content in the soi				
	Spraying should be done when there is no rainfall				
Paddy (Viruppu: First crop season)	Main Land preparation	If the level of soil moisture content in the paddy field is optimum for ploughing, the tilling operations can be started. With the first ploughing itself, incorporate powdered FYM/compost or green manures (@ 5t/ha) to the soil.			
Coconut	Land preparation and sowing	Areas with well drainage should be selected for planting coconut. Coconut cannot withstand water stagnations. When the level of soil moisture attains sufficient for the digging operations, take pits of size 1mx1mx1m. In laterite soils 1.2mx1.2mx1.2m sized pits are required. The recommended optimum spacing for coconut is 7.6m			
		Fill 1/3 portion of the pits with a mixture of topsoil, powdered FYM and wood ash taken in equal proportion. Dig a small pit in the middle of this and plant the seedling, and strengthen it by compacting the soil surrounding the basal nut portion of the seedlings. Care should be taken not to fall any soil in the crown of the seedlings. Provide prop to avoid tilting off of seedlings.			
		Bunds should be provided at the banks of the pits to prevent and collection and stagnation of runoff water in the pits.			
Coconut	All stages	Rhinoceros beetle Dwarf varieties and young palms are more vulnerable to the attack.	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.		
			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 3 rd and 4 th 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.		

Black pepper	All stages	Foot rot	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	All stages	Pseudostem weevil	Ensure field sanitation. Apply EPN infected Cadaver (@ 4 numbers per plant) in the middle whorls of the leaves during 5 th and 6 th months after planting (Cadaver is available at KAU Banana Research Station, Kannara. Contact number: 9605758722)
Areca nut	Bearing Stage	Mahali disease	Apply Bordeaux mixture (1%) to the bunch and leaves.
Ginger/ Turmeric	Sowing	Rot and wilt diseases	As a precaution, use Trichoderma enriched Farm Yard Manure. OR Apply Trichoderma directly onto the moist soil (@ 25g each of Trichoderma per every 100 square meters of the seed bed).
Livestock (Cows/Goats)	Milking	Mastitis	The disease is common on cows which are sheltered in unhygienic conditions. 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. If disease appears, give medication under the supervision of a Veterinary doctor



** 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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Sd/-Nodal Officer, GKMS Project, RARS Pilicode