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Agromet Advisory Bulletin
Kannur District
(Valid from 25.05.2022 to 29.05.2022)



Agromet Advisory Bulletin for the District, Kannur

(25.05.2022 to 29.05.2022)

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



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Date: 24/05/2022

A. Weather Summary of preceding five days

Rainfall, mm	Max. temp., °C	Min. temp., °C	R. H., %	Wind speed, Km/h
67.0	25.8 – 33.4	23.2 – 26.0	78 - 95	00.0 – 8.0





B. Weather forecast for next five days


Parameters	25-05-2022	26-05-2022	27-05-2022	28-05-2022	29-05-2022
Rainfall, mm	14	12	16	14	5
Max. Temp, °C	33	33	33	33	33
Min. Temp, °C	26	26	26	26	26
Max. Relative Humidity, %	90	90	90	90	90
Min. Relative Humidity, %	82	82	82	82	82
Wind speed, km/h	6	4	4	4	4
Wind direction, degrees	250	250	250	270	270
Total cloud cover, octa	6	7	8	5	2

C. Agrometeorological Advisories

Crop	Stages	Problems	Agro-meteorological advisories
			Light to moderate rainfalls
<u>General conditions</u>			<p>There will be light to moderate rainfalls (upto 64.4mm within a time span of 24 hours). As per the extended there will be rainfalls in the next week also.</p> <p>The sky will be cloudy. High relative humidity will be experienced. The atmospheric temperature will drop.</p>
<u>General Recommendations</u>			<p>Do not put the harvested products like rice, rubber, copra, pulses, vegetable seeds, etc directly under open condition.</p> <p>Give popping to all soft slender stemmed crops like banana, vegetables, climbers etc.</p> <p>Do not shelter the cattles in weak structures.</p> <p>Keep animal feeds, seeds, fertilizers etc. in termite free and moist free rooms on elevated platforms coated with wooden pannels.</p> <p>Preparations to plant seedlings of tree crops can be started. The pits can be taken if there is sufficient moisture content in the soil. Ensure proper distance between the plants. The $\frac{2}{3}$ portions of the pits should be filled with the mixture of topsoil and powdered dry cow dung/compost.</p>

	<p>Tree crops can be given fertilizers now</p> <p>It is better to keep a buffer stock of paddy seeds, for catch crop if any exigent conditions arises.</p>	
Paddy (Viruppu: First crop season)	Nursery preparation	<p>Nursery preparation for transplanting -. Apply dried and powdered farm yard manure or compost while preparing the nursery @1kg/m² and thoroughly incorporate to the soil.</p> <p>Preparation of seeds:- To prevent seed borne diseases, dress the seeds with Pseudomonas @10g/kg of seeds before sowing.</p>
	Main Land preparation	<p>Main land preparation: Incorporate green manure with the first ploughing itself. Along with the second ploughing, apply lime@350kg/ha. After two weeks apply dried and powdered well rotten FYM (@5t/ha) and thoroughly mix it with the soil.</p>
Coconut	Land preparation and sowing	<p>Areas with well drainage should be selected for planting coconut. Coconut cannot withstand water stagnations.</p> <p>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</p> <p>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.</p> <p>Bunds should be provided at the banks of the pits to prevent and collection and stagnation of runoff water in the pits.</p>
Coconut	Fertilizer application	<p>Basins can be opened for applying manures and fertilizers application. The radius of the basin should be 1.8m and the depth of the basin should be 30cm.</p> <p>For bearing palms apply lime @ 1 to 2 kg per palm. Spread the lime uniformly in the basin and incorporate with the soil. Two weeks after the lime application, apply FYM/Compost/Green leaf manures @ 25kg/palm. Apply chemical fertilizers also. For application of precise quantity of fertilizers, based on exact nutrient requirement, get the soil tested in a soil testing laboratory. In general, an adult palm can be given 360g urea + 530g rajphos + 560g potash. Also apply 250g magnesium sulphate and 100g borax per tree. For one year old palm apply only 1/3rd portion of the dose of manures and fertilizers recommended for the adult tree. Likewise, for two years old palm give 2/3rd portion of the full dose. The palms with age three years and above should be given the full dose.</p>

Coconut	Water Stagnation due to heavy spell of rainfalls	<p>The following practices are advised in cases of continuous heavy rainfalls and water stagnation:</p> <p>Ensure good drainage and hygienic conditions in the farm</p> <p>Spill out either manually or mechanically the stagnating water from the basins of young palms immediately after the cessation of rainfalls.</p> <p>Rake the soils in the basins with forks and aerate the soil</p> <p>Apply extra dose of lime @ 1-2 kg/tree in the basins to sanitize the soil.</p> <p>Apply extra micro nutrient mixture (Ayar @ 250g/tree) and Potash (@ 1kg/tree) two weeks after the application of lime</p> <p>Apply Trichoderma and Pseudomonas to the soil. Spray Bordeaux mixture (1%) to the spindle region of the palms.</p>	
	All stages	<p style="text-align: center;">Bud rot</p> 	<p>As a preventive measure, small perforated sachets containing 2 g of Mancozeb may be tied to the top leaf axil. When rains, a small quantity of the fungicide is released from the sachets to the leaf base and thus protecting the palm.</p> <p>Spray 1% Bordeaux mixture on the spindle leaf and crown of palms.</p>
Black pepper	Different stages	Shade control	Shade control operations to be undertaken in the garden by pruning the standards
Black pepper	Planting	<p style="text-align: center;">Wilt disease</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.
Banana	Various stages of growth	<p style="text-align: center;">Sigatoka leaf spot</p> 	<p>Cut and burn all affected leaves.</p> <p>Spray Tilt or Contaf (@ 2ml per litre)</p>
Areca nut	Bearing Stage	<p style="text-align: center;">Mahali disease</p> 	Apply Bordeaux mixture (1%) to the bunch and leaves.

Ginger/ Turmeric	Sowing	Rot and wilt diseases	<p>As a precaution, use Trichoderma enriched Farm Yard Manure.</p> <p style="text-align: center;">OR</p> <p>Apply Trichoderma directly onto the moist soil (@ 25g each of Trichoderma per every 100 square meters of the seed bed).</p>
Cow	Milking	<p style="text-align: center;">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>

Sd/-
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