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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

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SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 0.0 mm. The maximum temperature ranges from 35.8°C to 37.2°C, minimum temperature ranges from 24.0°C to 26.2°C. Morning relative humidity ranges from 77% to 93% and afternoon relative humidity ranges from 51% to 59%. Wind speed ranges from 1.9 to 2.4 km/h. Bright sunshine hours range from 7.0 to 9.9 hours. Evaporation ranges from 4.0 to 4.9 mm.

CURRENT SYNOPTIC SITUATION: A trough/wind discontinuity runs from northwest Madhya Pradesh to south interior Karnataka across interior Maharashtra and north interior Karnataka extending up to 0.9 km above mean sea level. A cyclonic circulation lies over Lakshadweep-Maldives area between 1.5 and 3.6 km above mean sea level. A cyclonic circulation lies over south Andaman Sea and adjoining Sumatra coast extending up to mid-tropospheric levels.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	09.05.2020	10.05.2020	11.05.2020	12.05.2020	13.05.2020
Rainfall (mm)	3	0	4	4	4
Maximum temperature(°C)	37	37	37	37	37
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	80	80	80	80	80
Minimum Relative Humidity (%)	68	68	68	68	68
Wind speed (kmph)	10	10	10	8	10
Wind direction (deg)	270	270	270	250	270
Total cloud cover (octa)	7	7	8	7	7

As per the forecast of IMD & KAU, there is a chance of light rainfall in isolated places of the district. Harvesting is recommended in matured paddy crop. Dried hay, copra, arecanut, etc should be protected from summer rain. Mulching can be practiced to conserve soil moisture.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: As a precaution, use bio-pesticides to control the crop pests and diseases.		
Coconut	Management	Since air temperature is increasing, it is a desirable practice to bury fresh or dried coconut husk around the palm to conserve soil moisture. The husk can be buried either in linear trenches taken 3 meter away from the trunk between rows of palms or in circular trenches taken around the palm at a distance of 2 meter from the trunk. The trenches may be of 0.5 meter width and depth. The husks are to be placed in layers with concave surface facing upwards and covered with soil. The beneficial effect of husk burial will last for about 5 to 7 years. Instead of husk, coir pith can be buried @ 25 kg/palm/year.
	Rhinoceros beetle	After thorough cleaning of the crown region, apply 250 g neem cake mixed with equal volume of fine sand (250g) in the inner most 2-3 leaf axils surrounding the spindle leaf. This application has to be repeated thrice a year. (January, May and September/ October) for better results. Or naphthalene balls 12 g (approx. 4 nos) can be put in the innermost 2 leaf axils adjacent to spindle leaf and covered with fine sand, once in 45 days. Or spray <i>Metarrhizium anisopila</i> (250 ml metarrhizium culture + 750 ml water) in manure pits.
Banana	Sigatoka disease	There is a chance of sigatoka disease in banana. As a precaution, Spray 20 g Pseudomonas per one litre of water.
Ginger/Turmeric	-	Prepare land for ginger and turmeric. To avoid foot rot in ginger, sock the suckers in 0.3% mancozeb/ pseudomonas solution for 30 minutes.
Vegetables	-	Addition of pseudomonas culture to the soil at the time of planting of vegetables will help to reduce fungal diseases.