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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

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05.05.2020

CURRENT SYNOPTIC SITUATION: A cyclonic circulation lies over southeast Madhya Pradesh & neighbourhood and extends up to 0.9 km above mean sea level. A trough/wind discontinuity runs from east Bihar to south interior Tamil Nadu across above cyclonic circulation over southeast Madhya Pradesh & neighbourhood, Telangana and Rayalaseema and extending up to 1.5 km above mean sea level. A low pressure area lies over south Andaman Sea and adjoining southeast Bay of Bengal with associated cyclonic circulation extending up to mid-tropospheric levels.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	06.05.2020	07.05.2020	08.05.2020	09.05.2020	10.05.2020
Rainfall (mm)	2	0.2	4	2	2
Maximum temperature(°C)	34	34	34	34	34
Minimum temperature (°C)	28	28	28	28	28
Maximum Relative Humidity (%)	80	80	80	80	80
Minimum Relative Humidity (%)	66	66	66	66	66
Wind speed (kmph)	16	20	12	16	16
Wind direction (deg)	320	270	290	320	320
Total cloud cover (octa)	7	7	7	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 anisopilae</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.