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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

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05.10.2021

CURRENT SYNOPTIC SITUATION: A cyclonic circulation lies over Southwest Bay of Bengal & neighbourhood and extends upto 5.8 km above mean sea level tilting southwards with height. A trough in easterlies runs from the above cyclonic circulation over Southwest Bay of Bengal & neighbourhood to south Kerala and extends upto 1.5 km above mean sea level. A cyclonic circulation lies over Eastcentral Arabian Sea at 5.8 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	06.10.2021	07.10.2021	08.10.2021	09.10.2021	10.10.2021
Rainfall (mm)	10	10	10	10	10
Maximum temperature(°C)	31	31	31	31	31
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	97	97	97	97	97
Minimum Relative Humidity (%)	82	82	82	82	82
Wind speed (kmph)	6	8	7	8	5
Wind direction (deg)	250	200	200	200	200
Total cloud cover (octa)	7	8	8	7	8

As per the forecast of IMD & KAU, there is a chance of moderate rainfall in the district. Above normal rainfall is expected in Kerala.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Proper drainage facilities have to be ensured. Pesticides can be applied only during dry period.		
Rice (Mundakan)	Land preparation	Land preparations for mundakan paddy can be started in kole paddy field, apply lime during nursery preparation. Seed treatment with <i>pseudomonas</i> can be done before sowing. (10 gram of <i>pseudomonas</i> for one kg of paddy seeds.)
	Rice case worm	During rainy season, there is a chance of rice case worm in paddy field. To control this 25 kg sawdust or rice husk ash mixed with one litre kerosene (for 1 acre) can be spread after draining the field.
Coconut	Management	While applying second dose of fertilizers to coconut palms, apply 550 gram urea, 700 gram Rajphos and 800 gram potash under irrigated conditions and apply 500 gram urea, 800 gram Rajphos and one kg potash under rainfed conditions.
Arecanut	Mahali	Keep the field clean. Destroy completely affected trees. As a prophylactic measure, spray 1% Bordeaux mixture or two gram Copper oxychloride with stickers at 40-45 days interval.
Turmeric	Leaf Blotch (Taphrina maculans)	As a prophylactic measure, spray 2ml hexaconazole (Contaf) or 1 ml Propiconazole (Tilt) or 2.5 g copper oxychloride (Blitox or Blue copper) or 2 gram SAAF dissolved in one litre of water. Spraying can be continued at fortnightly intervals depending upon the intensity of the disease.
Ginger	Shoot borer	There is a chance of shoot borer in ginger and turmeric. Spray 20 g <i>Beauveria</i> per one litre of water to control stem borer.
	Rhizome rot	During rainy season, apply mixture of 15 gram bleaching powder and 250 gram lime in to the basin of three meter square bed to avoid the spreading of rhizome rot in ginger.
Animal Husbandry	Sun dry the cattle feed frequently to avoid fungal growth. Take precautions to avoid ecto parasitic infestation (caadeccs, kvasu, Mannuthy).	

(Information given by RRS Vyttila)