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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

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CURRENT SYNOPTIC SITUATION: The Extremely Severe Cyclonic Storm 'FANI' (pronounced as 'FONI') over Northwest & Adjoining Westcentral Bay of Bengal moved north - northeastwards with a speed of about 20 kmph in last 06 hours and lay centred at 0830 hrs IST of 3rd May, 2019 over Northwest Bay of Bengal, near Latitude 19.6°N and Longitude 85.7°E, about 25 Km southsouthwest of Puri (Odisha), 90 km east-southeast of Gopalpur (Odisha), about 300 km east-northeast of Vishakhapatnam (Andhra Pradesh) and 330 km southwest of Digha (West Bengal). Landfall Process of the system has started at 0800 hours IST and the system has crossed the coast close to Puri between 0800 to 100 hours IST of today, the 3rd May 2019. The system is very likely to continue to move north-northeastwards and weaken gradually.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	04.05.2019	05.05.2019	06.05.2019	07.05.2019	08.05.2019
Rainfall (mm)	0	0	0	0	0
Maximum temperature (°C)	33	33	33	33	33
Minimum temperature (°C)	27	27	27	27	27
Maximum Relative Humidity (%)	95	95	95	95	95
Minimum Relative Humidity (%)	65	65	65	65	65
Wind speed (kmph)	14	14	14	16	14
Wind direction (deg)	270	290	320	320	320
Total cloud cover (octa)	8	6	7	6	7

Less possibility of rainfall is forecasted in the district by IMD & KAU.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
Coconut	White fly	The attack of white fly in coconut palm was increased, due to increased atmospheric temperature. To control white fly, spray the mixture of 2% neem oil emulsion with 20 g of biocontrol agent (Lecanicillium) on lower sides of leaves.
Banana	Sigatoka disease	Propping can be followed to reduce the damage due to high wind speed. There is a chance of sigatoka disease in banana. As a precaution, Spray 20 g <i>Pseudomonas</i> per one litre of water.
Vegetables (Bhindi)	Jassid's	The attack of Jassid's in Bhindi was increased, due to increased atmospheric temperature. Apply 2% neem oil garlic emulsion once in a week or by spraying <i>Lecanicillium lecanii</i> at 20 g per litre of water.
Animal Husbandry		Care should be taken to prevent rat breeding in the premises of cattle shed to prevent leptospyrosis. (CAADECCS, KVASU, Mannuthy)

Preparation of 2% Neem oil – Garlic Emulsion: Slice 50 g bar soap in to thin flakes and dissolve in 500 ml of hot water by agitation. Pour the soap solution to 200 ml of neem oil slowly and stir rigorously. Grind 200 g of garlic by adding 300 ml of water. Filter the garlic extract through a muslin cloth and then add to the prepared neem oil soap emulsion. Dilute this one litre stock solution by adding 9 litre of water to get 10 litres of 2% neem oil – garlic emulsion.