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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

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CURRENT SYNOPTIC SITUATION: An off-shore trough at mean sea level runs from north Maharashtra coast to north Kerala coast. A cyclonic circulation lies over East central Arabian Sea off Karnataka coast extending up to 2.1 km above mean sea level. An east-west shear zone runs roughly along 15°N across the peninsular India between 3.1 km and 5.8 km above mean sea level.

HEAVY RAINFALL WARNING: Heavy rainfall (7- 11 cm in 24 hours) is very likely to occur at one or two places in the Ernakulam district for the next five days.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	12.09.2020	13.09.2020	14.09.2020	15.09.2020	16.09.2020
Rainfall (mm)	18	12	15	20	16
Maximum temperature(°C)	29	29	29	29	29
Minimum temperature (°C)	24	24	24	24	24
Maximum Relative Humidity (%)	98	98	98	98	98
Minimum Relative Humidity (%)	80	80	80	80	80
Wind speed (kmph)	18	12	16	12	12
Wind direction (deg)	230	230	320	290	290
Total cloud cover (octa)	8	8	8	8	8

As per the forecast of IMD & KAU, there is a chance of moderate rainfall in the district and heavy rainfall in isolated places.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Proper drainage facilities should be ensured to protect the agricultural crops from pest & diseases during rainy season.		
Rice(Virippu) Milky stage	Rice bug	There is a chance of appearance of rice bug in paddy. To control, spray 2 ml malathion per one litre of water. Pesticides application should be done either before 9 am or after 3 pm. Otherwise, the pesticide application will adversely affect the pollination.
	Bacterial Leaf blight	To control the spread of Bacterial Leaf blight in paddy, during rainy season, mix 20 g of cow dung in one liter of water and spray the cow dung slurry by mixing with 20g of pseudomonas in one liter of water.
Coconut	Management	While applying second dose of fertilizers o coconut palms, apply 550 gram urea 700 gram Rajphos and 800gram potash under irrigated conditions and apply 500 gram urea, 800gram Rajphos and one kg potash under rainfed conditions.
Chilli	Mite	There is a chance for the attack of mites in chilly. Apply Spiromesifen 8 ml per10 liter of water.
Ginger	Pythium soft rot	During rainy season there is a chance of Pythium soft rot in ginger. To control, dig out the affected plants and drench the soil with copper oxychloride 2g per one litre of water.
Animal Husbandry		Ensure the availability of green fodder to the animal daily. Provide mineral and vitamin mixture in prescribed quantity daily.