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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

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CURRENT SYNOPTIC SITUATION: Under the influence of the cyclonic circulation over east central Arabian sea & adjoining areas of Maharashtra, a low pressure area formed over East central Arabian sea off North Maharashtra coast with an associated cyclonic circulation extending upto 7.6 km above mean sea level tilting southwards with height. An east west shear zone runs roughly along Lat 18°N across central parts of Peninsular India between 0.9 km & 5.8 km above mean sea level tilting southwards with height.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	21.09.2019	22.09.2019	23.09.2019	24.09.2019	25.09.2019
Rainfall (mm)	8	5	6	12	13
Maximum temperature(°C)	31	33	31	31	31
Minimum temperature (°C)	25	24	24	24	24
Maximum Relative Humidity (%)	93	93	93	93	93
Minimum Relative Humidity (%)	76	76	76	76	76
Wind speed (kmph)	8	12	10	12	6
Wind direction (deg)	270	270	290	270	270
Total cloud cover (octa)	7	7	7	8	8

According to the forecast of IMD & KAU, as per the current situation, rainfall intensity of the district may increase in the weekend in district.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Proper drainage facilities should be ensured to protect the agricultural crops from crop damage as well as pest & diseases during rainy season.		
Rice(<i>Virippu</i>) Milky stage	Bacterial Leaf blight	To control the spread of Bacterial Leaf blight in paddy, during rainy season, mix 20 g of cow dung in one litre of water and spray the cow dung slurry by mixing with 20g of pseudomonas in one litre of water.
Coconut	Bud rot disease	There is a chance of bud rot in rainy season. Keep three numbers each of perforated Mancozeb sachets (5 gm per packet) around spindle leaves as a prophylactic measure against bud rot.
Nutmeg	Fruit rot & leaf fall	During rainy season, there is a chance of Fruit rot and leaf fall in Nutmeg. As a prophylactic measure, apply <i>Trichoderma</i> mixture. Add 2 kg <i>Trichoderma</i> to a mixture of 90 kg FYM and 10 kg Neemcake and kept for two weeks with sufficient moisture. Basal application of 2.5 kg of this mixture will be followed by foliar spray with pseudomonas (20g/litre) or 1% Bordeaux mixture. Lime can be applied to reduce soil acidity.
Banana	Sigatoka disease	Due to monsoon showers, there is a chance of Sigatoka disease in banana. As a precaution, spray Pseudomonas 20g/litre. In case of severe attack, spray 2 ml hexaconazole or 1 ml propiconazole per one litre of water by mixing it with a sticker and spray on both the surface of the leaf.
Animal Husbandry		Avoid water logging in the premises of cattle shed. Take measures for avoid housefly and mosquito breeding. (CAADECCS, KVASU Mannuthy)