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**Agromet Advisory Service Bulletin**

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**ERNAKULAM DISTRICT**

AAS 39/2019(78), Friday

27.09.2019

**CURRENT SYNOPTIC SITUATION:** A cyclonic circulation lies over Saurashtra & adjoining areas of northeast Arabian sea extending upto 7.6 km above mean sea level. A cyclonic circulation lies over Equatorial Indian ocean and adjoining south Bay of Bengal extending upto 1.5 km above mean sea level. A cyclonic circulation lies over north east Bay of Bengal & neighbourhood extending upto 2.1 km above mean sea level.

**WEATHER FORECAST FOR THE NEXT FIVE DAYS:**

Weather parameters	28.09.2019	29.09.2019	30.09.2019	01.10.2019	02.10.2019
Rainfall (mm)	4	10	10	18	0.5
Maximum temperature(°C )	30	30	30	30	30
Minimum temperature (°C )	24	24	24	24	24
Maximum Relative Humidity (%)	95	95	95	95	95
Minimum Relative Humidity (%)	70	70	70	70	70
Wind speed (kmph)	10	8	4	6	12
Wind direction (deg)	230	270	180	180	270
Total cloud cover (octa)	6	6	6	7	5

Light rainfall is forecasted in the district by IMD & KAU.

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	Pest/ Disease	Advisories
<b>General Advisories: Prophylactic measures can be taken to control crop pest &amp; diseases to avoid their spread.</b>		
Rice( <i>Virippu</i> ) Harvesting 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.
Banana	Pseudostem weevil	During the rainy season, if infestation of pseudostem weevil is noticed, spray 2.5 ml of chlorpyrifos or 2 ml of quinalphos mixing with gum per one litre of water in leaf axils and by inserting the nozzle through the boreholes made by the larvae.
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.
Vegetables (cowpea)	Aphids	There is a chance of aphids in cowpea. Apply 2% neemoil emulsion or apply 20 g <i>Verticillium lecanii</i> per one litre of water in 10 days intervals. If aphid attack is severe, apply 3 ml Imidacloprid or 2 g Thiamethoxam per 10 litre of water.
Animal Husbandry		<ul style="list-style-type: none"> <li>• Ensure the availability of green fodder to the animal daily.</li> <li>• Provide mineral and vitamin mixture in prescribed quantity daily. (CAADECCS, KVASU Mannuthy)</li> </ul>