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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

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20.08.2019

CURRENT SYNOPTIC SITUATION: A Low Pressure area lies over southeast Uttar Pradesh & adjoining Jharkhand and Bihar with associated cyclonic circulation extending upto 7.6 km above mean sea level tilting southwestwards with height. A northsouth trough runs from the centre of above Low Pressure area to north Tamil Nadu across Odisha & north Coastal Andhra Pradesh and extending upto 0.9 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	21.08.2019	22.08.2019	23.08.2019	24.08.2019	25.08.2019
Rainfall (mm)	6	5	5	5	10
Maximum temperature(°C)	30	30	30	30	30
Minimum temperature (°C)	25	24	24	24	24
Maximum Relative Humidity (%)	94	94	94	94	94
Minimum Relative Humidity (%)	80	80	80	80	80
Wind speed (kmph)	10	16	18	20	14
Wind direction (deg)	290	320	320	320	290
Total cloud cover (octa)	7	7	7	7	8

According to the forecast of IMD & KAU, as per the current situation, light rainfall is expected in coming days in the district.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Proper drainage facilities should be ensured to protect the agricultural crops from pest & diseases during this rainy season.		
Rice(<i>Virippu</i>) Panicle 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 -Bunch emergence stage	Erwinia Rot	Proper drainage should be ensured. As a precaution, apply lime in the banana basin or bleaching powder in the irrigation channels. To improve the disease resistance, drench the basin with Pseudomonas @ 20g per litre of water. Affected plants can be protected by drenching the basin with 5 g bleaching powder or 3 g copper oxychloride or 2g copper hydroxide per one litre of water. Severely affected plants should be cut and removed to prevent the spread of disease.
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.
Cucurbitaceous Vegetables	Downy mildew disease	There is a chance of downy mildew attack in vegetables due to rainy season. Application of 2gm, curzate M-8 or <i>Trichoderma</i> 20g/litre under the leaves in 15 days interval is effective to control downy mildew disease.
Animal Husbandry		Care should be taken to avoid mould growth in the feed (CAADECCS, KVASU Mannuthy)