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**Agromet Advisory Service Bulletin**

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**ERNAKULAM DISTRICT**

**AAS 29/2021, (57)Tuesday**

**13.07.2021**

**CURRENT SYNOPTIC SITUATION:** A cyclonic circulation lies over South Odisha and north Andhra Pradesh coasts extending upto mid-tropospheric levels tilting southwestwards with height. An east-west shear zone runs roughly along Lat. 18°N between 2.1 km & 5.8 km above mean sea level tilting southwards with height

**HEAVY RAINFALL WARNING:** Day 1, Day 2, Day 3, Day 4 Day 5: Heavy (7- 11 cm in 24 hours) rainfall is very likely to occur at isolated places in the districts of Kottayam, Ernakulam, Idukki, Thrissur , Palakkad, Malappuram, Kozhikode, Kannur and Kasaragod.

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

Weather parameters	14.07.2021	15.07.2021	16.07.2021	17.07.2021	18.07.2021
Rainfall (mm)	12	6	12	14	5
Maximum temperature(°C )	30	30	32	32	31
Minimum temperature (°C )	24	25	25	25	25
Maximum Relative Humidity (%)	98	98	98	98	98
Minimum Relative Humidity (%)	79	79	79	79	79
Wind speed (kmph)	18	12	14	14	20
Wind direction (deg)	320	320	320	320	320
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. Above normal rainfall is expected in Kerala.

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	Pest/ Disease	Advisories
<b>General Advisories:</b> Proper drainage facilities have to be ensured. If the soil is more acidic, add lime as per soil testing.		
Paddy (virippu) Tillering stage	Bacterial Leaf blight	To control and prevent Bacterial Leaf blight in paddy, dissolve 20 g of cow dung in one litre of water and spray the supernatant liquid by mixing with 20g of pseudomonas in one litre of water.
Coconut	Management	25 to 50 kilogram of organic manure can be applied per one matured palm during rainy season by opening the coconut basin.
Banana	Blast and pitting disease	Ensure drainage facilities in low land banana plantations. Appearance of small sunken brown spots on matured fruits is the symptom of blast and pitting disease. To prevent the disease, cut and remove dried leaves from the garden and protect the bunches with bunch cover. If the disease is occurring regularly and bunch maturing coincides with rainy season, spray fungicide like azoxystrobin 0.5 milli litre or tebuconazole + trifloxystrobin (Nativo) 0.5 gram per litre of water within one month of bunch emergence.
Nutmeg	Leaf fall	As a precautionary measure to manage leaf fall during rainy season, spray 1% bordeaux mixture.
Ginger and Turmeric	Soft rot	During rainy season, apply mixture of 15 gram bleaching powder and 250 gram lime in to the basin of three meter square bed to avoid the spreading of soft rot in ginger and turmeric.
Cucurbitaceous Vegetables	Downy mildew	Due to high relative humidity, there is a chance of downy mildew attack in cucurbitaceous vegetables. Spray 2.5gm Mancozeb per one litre of water under the leaves.
Vegetables (Cowpea & chilly)	Anthraco nose disease	During rainy season, there is a chance of Anthracnose disease in Cowpea and chilly. As a prophylactic measure, apply 1% Bordeaux mixture or spray pseudomonas 20 gm per liter.
Animal Husbandry	Don't allow the animals to water logged areas to avoid foot lesions.(caadeccs, kvasu, Mannuthy )	