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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

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CURRENT SYNOPTIC SITUATION: The cyclonic circulation over south Coastal Andhra Pradesh & neighbourhood now lies over Rayalaseema & adjoining south Coastal Andhra Pradesh and extending upto 1.5 km above mean sea level. A trough runs from the cyclonic circulation over Rayalaseema to south Tamil Nadu extending upto 0.9 km above mean sea level. The cyclonic circulation over Gulf of Thailand & neighbourhood now emerge into north Andaman Sea & neighbourhood, under its influence a low pressure area has formed and now lies over north Andaman Sea & adjoining Eastcentral Bay of Bengal with associated cyclonic circulation extending upto midtropospheric levels.

HEAVY RAINFALL WARNING:

DAY 1 : Heavy rainfall (7- 11 cm in 24 hours) is very likely to occur at one or two places in the districts of Alappuzha, Kottayam, Ernakulam, Idukki, Thrissur, Palakkad, Malappuram, Kozhikode, Wayanad, Kannur and in Lakshadweep.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	10.10.2020	11.10.2020	12.10.2020	13.10.2020	14.10.2020
Rainfall (mm)	25	18	15	15	15
Maximum temperature(°C)	31	31	31	31	31
Minimum temperature (°C)	23	24	24	25	25
Maximum Relative Humidity (%)	90	90	90	90	90
Minimum Relative Humidity (%)	73	73	73	73	73
Wind speed (kmph)	10	12	12	20	22
Wind direction (deg)	230	270	320	250	270
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.

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 (Mundakan)	Land preparation to transplanting	Land preparation and nursery preparation for second paddy (mundakan) crop can be started. As a prophylactic measure, the root of seedlings can be soaked for 30 minutes in a solution of pseudomonas culture to control sheath blight, sheath rot, leaf spot disease etc. Before transplanting, spray 20 gram Pseudomonas in one litre of water. The micronutrient deficiency of paddy can be managed during rainy season, by spraying 5 gram of paddy sampoorina in one litre of water.
Banana	Planting time	The rhizomes are to be smeared with cowdung solution & ash then they are dried in the sun for about 3 to 4 days before planting.
Nutmeg	Anthraxnose disease	During rainy season, there is a chance of Anthracnose disease 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)	Fruit borer	Apply 5 % Neem kernel extract to control fruit borer of cowpea during initial stage.
Animal Husbandry	Ensure the availability of green fodder to the animal daily. Provide mineral and vitamin mixture in prescribed quantity daily.	