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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

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CURRENT SYNOPTIC SITUATION: The Well Marked Low Pressure Area over Westcentral Bay of Bengal & adjoining north Andhra Pradesh coast now lies as a Low Pressure Area over the same region with associated cyclonic circulation extending upto midtropospheric levels tilting southwestwards with height. An east-west shear zone runs roughly along Lat. 15°N between 3.1 km & 5.8 km above mean sea level. A cyclonic circulation lies over northeast Arabian Sea & adjoining south Pakistan extending upto 3.1 km above mean sea level tilting southwestwards with height.

HEAVY RAINFALL WARNING: Heavy rainfall (7- 11 cm in 24 hours) is very likely to occur at one or two places in the Ernakulam district for the next Three days.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	16.09.2020	17.09.2020	18.09.2020	19.09.2020	20.09.2020
Rainfall (mm)	15	15	25	25	15
Maximum temperature(°C)	30	30	30	30	30
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	99	99	99	99	99
Minimum Relative Humidity (%)	85	85	85	85	85
Wind speed (kmph)	16	14	16	16	16
Wind direction (deg)	320	290	320	290	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.

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(<i>Virippu</i>) Milky stage	Brown Plant Hopper (BPH)	There is a chance of Brown plant hopper attack in rice. Spray 2 g Thiamethoxam per ten litre of water.
	Sheath Blight	To control sheath blight disease in rice, spray 4 gram Trifloxystrobin +Tebuconazole in ten litre of water.
Rice (<i>Mundakan</i>)	Land preparation & Nursery preparation	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 <i>Pseudomonas</i> culture to control sheath blight, sheath rot, leaf spot disease etc.
Coconut	Management	While applying second dose of fertilizers to coconut palms, apply 550 gram urea, 700 gram Rajphos and 800gram potash under irrigated conditions and apply 500 gram urea, 800gram Rajphos and one kg potash under rainfed conditions.
Ginger	Stem borer	There is a chance of stem borer in ginger. Spary 20 g <i>Beauveria</i> per one litre of water to control stem borer.
Turmeric	Leaf Blotch	During rainy season there is a chance of Leaf Blotch in Turmeric. To control, spray 2 ml. Contaf (Hexaconazole) in one litre of water.
Vegetables	-	Addition of pseudomonas culture to the soil at the time of planting of vegetables will help to reduce fungal diseases.
Animal Husbandry	Ensure the availability of green fodder to the animal daily. Provide mineral and vitamin mixture in prescribed quantity daily.	