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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

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13.08.2021

CURRENT SYNOPTIC SITUATION: A cyclonic circulation lies over Westcentral Bay of Bengal off north Andhra Pradesh coast between 3.1 km & 5.8 km above mean sea level tilting southwards with height. A cyclonic circulation lies over interior Odisha & neighbourhood extending upto 1.5 km above mean sea level. A north-south trough runs from the above cyclonic circulation over interior Odisha & neighbourhood to north Tamilnadu extending upto 1.5 km above mean sea level. The north-south trough from the cyclonic circulation over Bihar & adjoining East Uttar Pradesh to Westcentral Bay of Bengal has merged with the above trough.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	14.08.2021	15.08.2021	16.08.2021	17.08.2021	18.08.2021
Rainfall (mm)	5	4	3	2	6
Maximum temperature(°C)	30	30	30	30	30
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	94	94	94	94	94
Minimum Relative Humidity (%)	75	75	75	75	75
Wind speed (kmph)	14	14	12	12	10
Wind direction (deg)	320	320	320	320	290
Total cloud cover (octa)	8	7	6	6	8

As per the forecast of IMD & KAU, there is a chance of light rainfall in the district. Above normal rainfall is expected in Kerala.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Proper drainage facilities have to be ensured. If the soil is more acidic, add lime as per soil testing.		
Paddy (virippu) Panicle initiation	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.
	Rice bug	There is a chance of appearance of rice bug in paddy. To control, spray 2 ml malathion per one litre of water. Pesticides application should be done either before 9 am or after 3 pm. Otherwise, the pesticide application will adversely affect the pollination.
Banana	Rhizome rot	Due to the increase in rainfall, there is a chance of Rhizome rot in banana. As a precaution, pour 3 litre of pseudomonas solution (20 gm per 1 litre) at the basin.
Pepper	Foot rot	As a prophylactic measure to manage foot rot during rainy season, add 2 kg Trichoderma to a mixture of 90 kg FYM & 10 kg neem cake and kept for two weeks with sufficient moisture. Add 2.5 kg of this mixture to the base of each matured pepper vine to control foot rot disease.
Nutmeg	Leaf fall	As a precautionary measure to manage leaf fall during rainy season, spray 1% bordeaux mixture.
Ginger	Shoot borer	There is a chance of shoot borer in ginger. Spray 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 (Cowpea)	Anthracoese disease	During rainy season, there is a chance of Anthracnose disease in Cowpea. As a prophylactic measure, apply 1% Bordeaux mixture or spray pseudomonas 20 gm per liter.
Animal Husbandry	Sundry the cattle feed frequently to avoid fungal growth. Give foot and mouth disease (FMD) vaccination to the animal (caadeccs, kvasu, Mannuthy).	

(Information given by RRS Vyttila)