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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

AAS 26/2020,(52) Friday

26.06.2020

CURRENT SYNOPTIC SITUATION: An off shore trough at mean sea level runs from Karnataka coast to Kerala coast. A cyclonic circulation lies over Southeast Arabian Sea off north Kerala coast and extends upto 1.5 km above mean sea level. An east-west shear zone runs roughly along 10°N Lat. between 2.1 km & 5.8 km above mean sea level tilting southwards with height. The cyclonic circulation over Southwest and adjoining Southeast Bay of Bengal between 2.1 km & 4.5 km above mean sea level has merged with above shear zone. The cyclonic circulation over Westcentral Arabian & neighbourhood tilting southwards with height persists and seen between 1.5 km & 3.1 km above mean sea level.

HEAVY RAINFALL WARNING:

DAY 1: Very Heavy rainfall (12-20 cm in 24 hours) is very likely to occur at one or two places in the districts of Kollam, Alappuzha, Kottayam & Ernakulam.

DAY 2: Heavy rainfall (7- 11 cm in 24 hours) is very likely to occur at one or two places in the districts of Ernakulam, and Palakkad and in Lakshadweep.

DAY 3: Heavy rainfall (7- 11 cm in 24 hours) is very likely to occur at one or two places in the districts of Kottayam, Idukki, Ernakulam, Thrissur, Malappuram, Kozhikode, Kannur, Kasaragod and Wayanad.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	27.06.2020	28.06.2020	29.06.2020	30.06.2020	01.07.2020
Rainfall (mm)	35	28	30	4	2
Maximum temperature(°C)	31	31	31	31	31
Minimum temperature (°C)	24	24	24	24	24
Maximum Relative Humidity (%)	95	95	95	95	95
Minimum Relative Humidity (%)	85	85	85	85	85
Wind speed (kmph)	6	6	4	4	4
Wind direction (deg)	270	270	290	290	290
Total cloud cover (octa)	8	8	8	6	6

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.		
Paddy	Land preparation to transplanting	Transplant seedlings at 4 to 5 leaf stage. The root of seedlings should be soaked for 30 minutes in a solution of <i>Pseudomonas</i> culture @10g per one litre of water for one kg of seeds to control sheath blight, sheath rot, leaf spot disease etc.
Coconut	Bud rot	During rainy season, there is a chance of bud rot disease in coconut. Spray 1% Bordeaux mixture on the crown as a prophylactic measure.
Banana	Sigatoka disease	If there is sigatoka disease seen in banana, as a prophylactic measure, spray 1% Bordeaux mixture. Ensure drainage facilities in low land banana plantations.
	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 1litre) 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 each matured vine to control foot rot of pepper.
Vegetables (Cowpea)	Anthrachnose disease	During rainy season, there is a chance of Anthrachnose disease in Cowpea. As a prophylactic measure, apply 1% Bordeaux mixture or spray pseudomonas 20 gm per litre
Animal Husbandry	To prevent the mixing of contaminated water in water sources, apply bleaching powder or other disinfectants available in the market as per manufacturer's instructions.	