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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

AAS 42/2021, (84)Saturday

16.10.2021

CURRENT SYNOPTIC SITUATION: A Low Pressure Area lies over north Coastal Andhra Pradesh & adjoining Westcentral Bay of Bengal with associated cyclonic circulation extending upto 5.8 km above mean sea level tilting southwestwards with height. Another Low Pressure Area lies over Southeast Arabian Sea off Kerala coast with associated cyclonic circulation extending upto 4.5 km above mean sea level. An east-west trough at 5.8 km above mean sea level runs roughly along 15°N across South Peninsular India.

Heavy Rainfall Warning: Day 1: **Extremely Heavy** (21 cm and above in 24 hours) is very likely to occur at isolated places in the districts of Pathanamthitta, Kottayam, Ernakulam, Idukki & Thrissur

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	17.10.2021	18.10.2021	19.10.2021	20.10.2021	21.10.2021
Rainfall (mm)	120	20	10	40	70
Maximum temperature(°C)	30	30	30	31	31
Minimum temperature (°C)	24	24	24	25	25
Maximum Relative Humidity (%)	99	99	99	99	99
Minimum Relative Humidity (%)	80	80	80	80	80
Wind speed (kmph)	20	18	16	16	16
Wind direction (deg)	200	270	290	290	320
Total cloud cover (octa)	8	8	6	7	8

As per the forecast of IMD & KAU, there is a chance of moderate rainfall in the district and heavy rainfall & wind in isolated places. Normal rainfall is expected in Kerala.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Proper drainage facilities have to be ensured. Pesticides can be applied only during dry period.		
Rice (Pokkali)		Harvesting stage
Coconut	Management	Second dose of fertilizers can be applied (500g urea, 800g musoriphos/rock phosphate, 1 Kg potash); lime (1 Kg) can also be applied 7–10 days prior to the application of fertilizers if it was not given prior to the first dose. 500g Magnesium sulphate can also be given to prevent yellowing. Boron deficiency can be rectified by applying 50g borax for each palm.
	Rhinoceros Beetle	Field sanitation; top most three leaf axils may be filled with 25g neem cake and 200g sand mixture or naphthalene balls and sand as a prophylactic measure and repeat this procedure 45 days interval; Crown cleaning followed by the application of 20g cartap hydrochloride 4G/ Fipronil 0.3G/ Carbosulphan 6G mixed with 200g sand on top three leaf axils; mist net balls can be inserted around leaf spindles.
Nutmeg	Abnormal leaf fall	Spraying of 1% Bordeaux mixture + soil drenching of copper hydroxide or spraying of 1% Bordeaux mixture and soil application of <i>Trichoderma</i> are recommended.
Many crops	African snails	Copper sulphate (3g/litre) or Copper oxy chloride (3g/litre) can be sprayed on the crop if the number of snails is less the bleaching powder or copper sulphate powder can be applied around the basin in crops like banana arecanut ,coconut, etc., apply 10% Bordeaux paste on the stem base
Fish farming	As there is a chance of pH fluctuation in pond water apply lime o the bunds of ponds	
Animal husbandary	There are frequent outbreaks of Foot and Mouth disease (FMD) in Kerala at recent times. The disease causes huge economic losses to the farmers. The government of Kerala in partnership with central government has started FMD vaccination campaign in the state and it continues till 4 th of November. Hence the farmers are advised to ensure that their animals are vaccinated. The vaccination is done completely free of cost and is safe.	

(Information given by RRS Vyttila)