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Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

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12.10.2021

CURRENT SYNOPTIC SITUATION: A cyclonic circulation lies over north Andaman Sea & neighbourhood extending upto 4.5 km above mean sea level. A cyclonic circulation lies over Eastcentral Arabian Sea extending upto 4.5 km above mean sea level tilting southwestwards with height. An Eastwest Trough runs from cyclonic circulation over north Andaman sea & neighbourhood to cyclonic circulation over eastcentral Arabian Sea across south Coastal Andhra Pradesh, South Interior Karnataka and Coastal Karnataka between 1.5 & 4.5 km above mean sea level. A cyclonic circulation lies over north interior Tamilnadu & neighbourhood at 5.8 km above mean sea level.

Heavy Rainfall Warning: Day1, Day2, Day3, Day4 and Day 5: **Heavy rainfall** (7- 11 cm in 24 hours) to **Very Heavy rainfall** (12- 20 cm in 24 hours) is very likely to occur at isolated places in the districts of Ernakulam, Idukki, Thrissur, Palakkad, Malappuram, Kozhikode, Wayanad, Kannur & Kasaragod.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	13.10.2021	14.10.2021	15.10.2021	16.10.2021	17.10.2021
Rainfall (mm)	50	40	40	20	20
Maximum temperature(°C)	30	30	30	30	30
Minimum temperature (°C)	24	24	24	24	24
Maximum Relative Humidity (%)	95	95	95	95	95
Minimum Relative Humidity (%)	80	80	80	80	80
Wind speed (kmph)	16	10	14	18	20
Wind direction (deg)	270	270	230	230	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 and heavy or very heavy rainfall in isolated places. Above 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)