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**Agromet Advisory Service Bulletin**

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**ERNAKULAM DISTRICT**

**AAS 44/2021, (87)Tuesday**

**26.10.2021**

**CURRENT SYNOPTIC SITUATION:** A cyclonic circulation lies over Southeast Bay of Bengal & neighbourhood extending upto 3.1 km above mean sea level. A trough runs from the above cyclonic circulation over Southeast Bay of Bengal & neighbourhood to North Bay of Bengal extending upto 1.5 km above mean sea level. A trough in easterly runs from Southeast Arabian Sea off Kerala coast to Eastcentral Arabian Sea off Karnataka coast at 0.9 km above mean sea level.

**Heavy Rainfall Warning:** Day1, Day2, Day 4 and Day 5: **Heavy** (7- 11 cm in 24 hours) rainfall is very likely to occur at isolated places in the districts of Thiruvananthapuram, Kollam, Pathanamthitta, Alappuzha, Kottayam, Ernakulam, Idukki, Thrissur, Palakkad, Malappuram, Kozhikode & Wayanad.

**WEATHER FORECAST FOR THE NEXT FIVE DAYS:**

Weather parameters	27.10.2021	28.10.2021	29.10.2021	30.10.2021	31.10.2021
Rainfall (mm)	70	70	20	20	20
Maximum temperature(°C )	31	31	31	31	31
Minimum temperature (°C )	24	25	25	24	24
Maximum Relative Humidity (%)	97	97	97	97	97
Minimum Relative Humidity (%)	76	76	76	76	76
Wind speed (kmph)	8	8	8	8	4
Wind direction (deg)	250	200	250	320	180
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. Above normal rainfall is expected in Kerala.

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	Pest/ Disease	Advisories
<b>General Advisories:</b> Since northeast monsoon is prevailing, provide sufficient drainage facilities in agricultural lands. Give propping for banana and pandals for vegetables.		
Rice (Pokkali)	Harvesting stage	
Banana	Sigatoka leaf spot	20g / L <i>Pseudomonas</i> can be sprayed in initial stages, rhizome treatment in 50g <i>Pseudomonas</i> per liter water for 30 minutes; 1% Bordeaux mixture can be sprayed 3 to 4 times in 3 to 4 weeks interval.
Coconut	Bud rot	Remove the affected portion and apply 10% Bordeaux paste followed by 1% Bordeaux mixture spray.
	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; <b>mist net balls</b> 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.
Various crops	Caterpillars	Neem seed kernel extract 5% (Grind 50g Neem seed kernel to coarse powder, put in muslin cloth bag, keep immersed in 1 L water overnight. Thereafter, squeeze the cloth bag by dipping in water repeatedly till the water coming out from cloth bag becomes clear); <i>Beauveria bassiana</i> 20g per liter can be sprayed; Chlorantranilipole 18.5 SC 3ml / 10 liter water can be sprayed
Many crops	African snails	Copper sulphate 3g/ litre or Copper Oxy Chloride 3g/litre or mixture of copper sulphate solution and tobacco decoction can be sprayed on crops. If the population is less, bleaching powder or copper sulphate can be applied around the basins. Overnight traps can be set using papaya leaves and or cabbage leaves and covered with wet gunny bags or jute bag pieces, destroy the trapped snails using common salt. Remove and expose the damaged bark near bases and spray Carbosulphan 0.25% or 10% Bordeaux paste can be painted on the stem base;
Fish farming	Due to heavy rainfall, fish pond water level may increases in coming days. So farmers to take necessary steps to prevent the escape of fishes like fencing the fish pond by net.	
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 <sup>th</sup> 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)