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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

AAS 43/2021, (86)Friday

22.10.2021

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 216.6 mm. The maximum temperature ranges from 28.1 °C to 32.7 °C, minimum temperature ranges from 22.4 °C to 24.3 °C. Morning relative humidity ranges from 90% to 99% and afternoon relative humidity ranges from 67% to 99%. Wind speed ranges from 0.7 to 2.1 km/h. Bright sunshine hours range from 0.0 to 8.7 hours. Evaporation ranges from 1.0 to 2.6 mm.

CURRENT SYNOPTIC SITUATION: A cyclonic circulation lies over Comorin area & neighbourhood extending upto 1.5 km above mean sea level. A trough runs from the above cyclonic circulation over Comorin area & neighbourhood to Eastcentral Arabian Sea off Karnataka coast extending upto 1.5 km above mean sea level.

Heavy Rainfall Warning: Day2 and Day4: **Heavy rainfall:** Heavy (7- 11 cm in 24 hours) rainfall is very likely to occur at isolated places in the districts of Thiruvananthapuram, Kollam, Pathanamthitta, Ernakulam, Thrissur, Kozhikode & Wayanad.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	23.10.2021	24.10.2021	25.10.2021	26.10.2021	27.10.2021
Rainfall (mm)	40	40	20	40	20
Maximum temperature(°C)	32	32	32	31	31
Minimum temperature (°C)	24	23	23	23	23
Maximum Relative Humidity (%)	96	96	96	96	96
Minimum Relative Humidity (%)	75	75	75	75	75
Wind speed (kmph)	6	6	6	2	4
Wind direction (deg)	200	230	250	290	200
Total cloud cover (octa)	8	8	7	8	8

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

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Since northeast monsoon is prevailing, provide sufficient drainage facilities in agricultural lands. Give propping for banana and pandals for vegetables.		
Rice (Mundakan) Seedling stage	Leaf folder	There is a chance of Leaf folder attack in <i>Mundakan</i> Paddy. It can be controlled by using <i>trichogramma</i> cards (2CC per one acre). Cut the cards in to small pieces and fix in different regions of the field. If the attack is severe, spray quinalphos @ 2ml per one liter of water.
	Rice case worm	During rainy season, there is a chance of rice case worm in paddy field. To control this 25 kg sawdust or rice husk ash mixed with one litre kerosene (for 1 acre) can be spread after draining the field.
Coconut	Bud rot	To control the Bud rot in coconut, chisel out the affected area and apply 10% Bordeaux paste. Care should be taken to protect the affected area from heavy rain.
Turmeric	Leaf Blotch (<i>Taphrina maculans</i>)	Due to high relative humidity, there is a chance of diseases. Remove and destroying disease affected plants. As a prophylactic measure, spray 2ml hexaconazole (Contaf) or 1 ml Propiconazole (Tilt) or 2 gram SAAF or 2.5 g copper oxychloride (Blitox or Blue copper) or 2 g copper hydroxide dissolved in one litre of water. Otherwise 1% Bordeaux mixture can be sprayed. Spraying can be continued at fortnightly intervals depending upon the intensity of the disease.
Ginger	Phyllosticta leaf spot	
Cucurbitaceous Vegetables	Downy mildew	Due to high relative humidity, there is a chance of downy mildew attack in cucurbitaceous vegetables. Spray 2.5gm Mancozeb per one litre of water under the leaves.
Animal Husbandry	Sundry the cattle feed frequently to avoid fungal growth. Take precautions to avoid ecto parasitic infestation (caadeccs, kvasu, Mannuthy).	