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Agromet Advisory Service Bulletin

(Issued jointly by AMFU Thrissur, India Meteorological Department and Department of Agriculture)



THRISSUR DISTRICT

AAS 45/2021, (89) Tuesday

02.11.2021

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 33.4 mm. The maximum temperature ranges from 30.6 °C to 33.4 °C, minimum temperature ranges from 23.2 °C to 24.4 °C. Morning relative humidity ranges from 90% to 97% and afternoon relative humidity ranges from 62% to 99%. Wind speed ranges from 1.2 to 2.2 km/h. Bright sunshine hours range from 0.0 to 7.5 hours. Evaporation ranges from 1.3 to 3.0 mm.

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, and Day 3: **Heavy** (7- 11 cm in 24 hours) rainfall is very likely to occur at isolated places in the districts of Alappuzha, Thrissur, Palakkad, Malappuram, Kannur, Kasaragod & in Lakshadweep.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	03.11.2021	04.11.2021	05.11.2021	06.11.2021	07.11.2021
Rainfall (mm)	40	40	20	10	10
Maximum temperature(°C)	31	32	32	32	32
Minimum temperature (°C)	23	23	23	23	23
Maximum Relative Humidity (%)	95	95	95	95	95
Minimum Relative Humidity (%)	83	83	83	83	83
Wind speed (kmph)	4	2	8	4	4
Wind direction (deg)	180	160	180	200	230
Total cloud cover (octa)	8	8	7	6	7

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
General Advisories: Since northeast monsoon is prevailing, provide sufficient drainage facilities in agricultural lands. Give propping for banana and pandals for vegetables.		
Rice (Mundakan) Tillering stage	Bacterial Leaf blight	To control and prevent Bacterial Leaf blight in paddy, dissolve 20 g of cow dung in one litre of water and spray the supernatant liquid by mixing with 20g of pseudomonas in one litre of water.
	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.
Nutmeg	Leaf fall	As a precautionary measure to manage leaf fall during rainy season, spray 1% bordeaux mixture.
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.
Turmeric	Leaf Blotch (Taphrina maculans)	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	Deworm the animals after dung examination. Vaccinate animals against foot and mouth disease. (caadeccs, kvasu, Mannuthy).	