



Kerala Agricultural University, Vellanikkara, Thrissur
Department of Agricultural Meteorology, College of Agriculture

Email: cohagmet@kau.in & kauagmet@yahoo.co.in

Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

AAS 44/2021, (87) Tuesday

26.10.2021

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 117.4 mm. The maximum temperature ranges from 28.1 °C to 34.7 °C, minimum temperature ranges from 22.7 °C to 24.1 °C. Morning relative humidity ranges from 93% to 98% and afternoon relative humidity ranges from 61% to 76%. Wind speed ranges from 0.8 to 1.9 km/h. Bright sunshine hours range from 0.0 to 9.2 hours. Evaporation ranges from 1.3 to 3.2 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 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)	40	40	20	20	20
Maximum temperature(°C)	33	32	32	32	32
Minimum temperature (°C)	24	24	24	23	23
Maximum Relative Humidity (%)	98	98	98	98	98
Minimum Relative Humidity (%)	75	75	75	75	75
Wind speed (kmph)	2	6	2	2	2
Wind direction (deg)	200	200	20	20	160
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. 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)	Land preparation to transplanting	Land preparation and nursery preparation for second paddy (mundakan) crop can be started. As a prophylactic measure, the root of seedlings can be soaked for 30 minutes in a solution of Pseudomonas culture to control sheath blight, sheath rot, leaf spot disease etc. Before transplanting, spray 20 gram Pseudomonas in one litre of water. The micronutrient deficiency of paddy can be managed during rainy season, by spraying 5 gram of paddy sampoorana in one litre of water.
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.
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	deworm the animals after dung examination. Vaccinate animals against foot and mouth disease. (caadeccs, kvasu, Mannuthy).