



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

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

Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

AAS 52/2020, (103) Tuesday

22.12.2020

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 0.0 mm. The maximum temperature ranges from 30.2°C to 32.1°C, minimum temperature ranges from 18.2°C to 24.2°C. Morning relative humidity ranges from 65% to 76% and afternoon relative humidity ranges from 42% to 68%. Wind speed ranges from 5.1 to 10.0 km/h. Bright sunshine hours range from 0.9 to 9.5 hours. Evaporation ranges from 4.1 to 6.3 mm.

CURRENT SYNOPTIC SITUATION: A cyclonic circulation lies over Equatorial Indian Ocean to the south of Southwest Bay of Bengal extending upto 3.1km above mean sea level. A cyclonic circulation lies over Equatorial Indian Ocean & adjoining Maldives area extending upto 3.1 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	23.12.2020	24.12.2020	25.12.2020	26.12.2020	27.12.2020
Rainfall (mm)	8	3	3	2	0
Maximum temperature(°C)	31	31	31	31	31
Minimum temperature (°C)	21	21	21	21	21
Maximum Relative Humidity (%)	65	65	65	65	65
Minimum Relative Humidity (%)	41	41	41	41	41
Wind speed (kmph)	16	12	8	14	14
Wind direction (deg)	50	50	20	50	70
Total cloud cover (octa)	7	5	6	5	2

As per the forecast of IMD & KAU, there is a chance of light rainfall in the district.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Since light rainfall is forecasted, Precaution should be taken during drying of agricultural products and spraying of pesticides.		
Rice (Mundakan) Panicle Emergence	Bacterial Leaf blight	As a prophylactic measure, spray 20 gram Pseudomonas in one litre of water. To control the spread of Bacterial Leaf blight in paddy, spray 6 g of Streptomycin in 30 litre of water.
	Leaf folder	There is a chance of leaf folder attack in mundakan Paddy. It can be controlled by using trichogramma 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 Chlorantraniliprole (Coragen) @ 3ml per ten litre of water.
Banana	Panama wilt	There is a chance of panama wilt in banana varieties like poovan, kadali etc. Drench the soil with one gram of carbendazim in one litre of water.
Vegetables (cowpea)	Aphids	There is a chance of aphids in cowpea. Apply 2% neem oil emulsion or apply 20 g <i>Verticillium lecanii</i> per one litre of water in 10 days intervals. If aphid attack is severe, apply 3 ml Imidacloprid or 2 g Thiamethoxam per ten litre of water.
Vegetables (Bhindi)	Jassid's	Due to increase in atmospheric temperature, Jassid attack may be increased. They can be controlled by applying 2% neem oil emulsion once in a week or by spraying <i>Lecanicillium lecanii</i> at 20 g per litre of water.
Animal Husbandry	Assure increased ventilation in the cattle shed.	