



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 50/2020, (99) Tuesday

08.12.2020

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 6.4 mm. The maximum temperature ranges from 31.0°C to 33.2°C, minimum temperature ranges from 21.0°C to 23.8°C. Morning relative humidity ranges from 66% to 93% and afternoon relative humidity ranges from 51% to 87%. Wind speed ranges from 1.8 to 8.1 km/h. Bright sunshine hours range from 0.0 to 8.9 hours. Evaporation ranges from 1.2 to 6.0 mm.

CURRENT SYNOPTIC SITUATION: A cyclonic circulation lies over Southeast Arabian Sea & adjoining Equatorial Indian Ocean extending upto 3.1 km above mean sea level. Another cyclonic circulation lies over Equatorial Indian Ocean & adjoining Southeast Bay of Bengal extending upto 4.5 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	09.12.2020	10.12.2020	11.12.2020	12.12.2020	13.12.2020
Rainfall (mm)	4	5	2	0	0
Maximum temperature(°C)	32	32	32	32	32
Minimum temperature (°C)	23	23	23	23	23
Maximum Relative Humidity (%)	90	90	90	90	90
Minimum Relative Humidity (%)	62	62	62	62	62
Wind speed (kmph)	10	8	12	2	2
Wind direction (deg)	90	110	50	70	20
Total cloud cover (octa)	7	7	5	2	1

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

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Since less rainfall is forecasted, irrigation facility to crops should be ensured. Drying of agricultural products and spraying of pesticides can be done.		
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 Streptocycline 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.
	Brown Plant Hopper (BPH)	There is a chance of Brown plant hopper attack in rice. Spray 2 g Thiamethoxam (Actara) per ten litre of water.
Banana	Spodoptera	If the attack is in the initial stage, the affected leaves should be destroyed along with egg, caterpillar and pupa. Neem Kernel suspension (5 percentage) should be sprayed.
Vegetables (cowpea)	Fruit borer	If the attack is in the initial stage, the affected leaves should be destroyed along with egg, caterpillar and pupa. Neem Kernel suspension (5 percentage) should be sprayed. If the attack is severe, spray Flubendamide (Tukumi) 2 ml per ten litre of water or Chlorantraniliprole (Coragen) 3 ml per ten litre of water.
Cabbage/ Cauliflower	Spodoptera	
Animal Husbandry	1. Take precautions to avoid ecto parasitic infestation. 2. If fever, shivering, brown coloured urine, off feed etc. are noticed, consult veterinary doctor immediately.	