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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

AAS 51/2020, (101) Tuesday

15.12.2020

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 1.3 mm. The maximum temperature ranges from 31.5°C to 33.0°C, minimum temperature ranges from 19.6°C to 23.3°C. Morning relative humidity ranges from 75% to 83% and afternoon relative humidity ranges from 45% to 59%. Wind speed ranges from 4.1 to 10.2 km/h. Bright sunshine hours range from 1.2 to 9.7 hours. Evaporation ranges from 3.0 to 4.9 mm.

CURRENT SYNOPTIC SITUATION:The cyclonic circulation over south Arabian sea and adjoining areas of central Arabian sea is seen at 1.5 km above mean sea level. The cyclonic circulation over southwest Bay of Bengal off Srilanka coast is seen at 1.5 km above mean sea level. A low pressure area lies over central parts of south Arabian sea with associated cyclonic circulation extending upto 3.1 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	16.12.2020	17.12.2020	18.12.2020	19.12.2020	20.12.2020
Rainfall (mm)	0	2	2	15	10
Maximum temperature(°C)	32	32	33	33	33
Minimum temperature (°C)	18	18	20	20	20
Maximum Relative Humidity (%)	80	80	80	80	80
Minimum Relative Humidity (%)	55	55	55	55	55
Wind speed (kmph)	8	6	6	8	10
Wind direction (deg)	230	270	270	270	270
Total cloud cover (octa)	2	3	3	4	4

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 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.
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.
Chilli	White fly	There is a chance of white fly attack in chilli. Apply 2% neem oil garlic emulsion or spray 20g <i>Lecanicillium lecanii</i> per one litre of water in ten days intervals.
Vegetables (Bhindi)	Green leaf hopper	There is a chance of green leaf hopper attack in bhindi. Spray 2 g thiamethoxam per ten litre of water.
Animal Husbandry	Assure increased ventilation in the shed.	