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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

AAS 05/2021, (10) Friday

29.01.2021

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 0.0 mm. The maximum temperature ranges from 32.8C to 35.0°C, minimum temperature ranges from 18.1°C to 21.7°C. Morning relative humidity ranges from 58% to 93% and afternoon relative humidity ranges from 31% to 51%. Wind speed ranges from 2.0 to 5.5 km/h. Bright sunshine hours range from 7.6 to 9.9 hours. Evaporation ranges from 3.4 to 5.5 mm.

CURRENT SYNOPTIC SITUATION: A trough in low level easterlies runs from equatorial Indian ocean to southwest Bay of Bengal off Srilanka coast extending upto 1.5 km above mean sea level. A trough in low level easterlies runs from Southeast Arabian Sea to Eastcentral Arabian Sea off Kerala-Karnataka coast at 0.9 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	30.01.2021	31.01.2021	01.02.2021	02.02.2021	03.02.2021
Rainfall (mm)	0	0	0	0	0
Maximum temperature(°C)	33	33	33	33	33
Minimum temperature (°C)	19	20	20	20	20
Maximum Relative Humidity (%)	71	71	71	71	71
Minimum Relative Humidity (%)	34	34	34	34	34
Wind speed (kmph)	6	14	14	18	20
Wind direction (deg)	50	50	50	50	70
Total cloud cover (octa)	1	3	1	1	1

As per the forecast of IMD & KAU, due to no rainfall and prevailing dry weather conditions, irrigation of crops to be continued in the district. Below normal rainfall is expected in Kerala.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Since no rainfall is forecasted, Drying of agricultural products and spraying of pesticides can be done.		
Rice (Mundakan) Dough stage	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.
	Sheath Blight	To control sheath blight disease in rice, spray 4 gram of (Trifloxystrobin + Tebuconazole) mixture in ten litres of water.
Banana	-	The micro nutrient deficiencies of two months old banana plants can be managed by applying 100 gram Ayar.
Chilly	Thrips	There is a chance of thrips attack in chilly. Apply 2% neem oil+ garlic emulsion under the leaf surface at 10 days intervals. (50 g bar soap was dissolved in hot water and mixed with 200 ml neem oil and 200 gram filtered garlic extract, and diluted with water to make into 10 liter emulsion).If the attack is severe, apply spiromecifen 8 ml per ten litre of water.
Cucurbits, Brinjal, Tomato	White fly	There is a chance of white fly attack in Cucurbits,Brinjal, Tomato . Apply 2% neem oil garlic emulsion or spray 20g <i>Lecanicillium lecanii</i> per one litre of water in ten days intervals.
Animal Husbandry		Vaccinate animals against foot and mouth disease and hemorrhagic septicemia. If needed give medicine agaist worm infestation after dung examination.