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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

AAS 04/2021, (7) Tuesday

19.01.2021

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 1.5 mm. The maximum temperature ranges from 28.7°C to 33.1°C, minimum temperature ranges from 20.2°C to 23.2°C. Morning relative humidity ranges from 69% to 84% and afternoon relative humidity ranges from 40% to 70%. Wind speed ranges from 3.8 to 11.7 km/h. Bright sunshine hours range from 0.0 to 9.5 hours. Evaporation ranges from 2.2 to 5.1 mm.

CURRENT SYNOPTIC SITUATION: Northeast monsoon rains have ceased over Tamilnadu, Puducherry & Karaikkal, Kerala & Mahe and adjoining areas of Andhra Pradesh and Karnataka from today, the 19th January 2021. The cyclonic circulation over Southwest Bay of Bengal off Sri Lanka coast lay over Southwest Bay of Bengal and adjoining Equatorial Indian ocean at 5.8 km above mean sea level. The cyclonic circulation over Equatorial Indian Ocean and adjoining Southwest Bay of Bengal extending upto 2.1 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	20.01.2021	21.01.2021	22.01.2021	23.01.2021	24.01.2021
Rainfall (mm)	0	0	0	0	0
Maximum temperature(°C)	32	33	33	33	33
Minimum temperature (°C)	20	20	20	20	20
Maximum Relative Humidity (%)	70	70	70	70	70
Minimum Relative Humidity (%)	40	40	40	40	40
Wind speed (kmph)	8	6	5	8	6
Wind direction (deg)	90	230	250	230	230
Total cloud cover (octa)	3	4	2	3	2

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. Above 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.
	Glume discolouration	During the 50% panicle emergence stage, there is a chance of glume discolouration in rice. To control this, spray 2 gram Kocide per one litre of water.
Vegetables (Bitter gourd)	Green leaf hopper	There is a chance of green leaf hopper attack in bittergourd. Spray 2 g thiamethoxam per ten litre of water.
Animal Husbandry	Vaccinate animals against foot and mouth disease and hemorrhagic septicemia. If needed give medicine against worm infestation after dung examination.	