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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

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SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 0.0 mm. The maximum temperature ranges from 32.9°C to 34.0°C, minimum temperature ranges from 20.9°C to 24.1°C. Morning relative humidity ranges from 71 % to 85% and afternoon relative humidity ranges from 42% to 52%. Wind speed ranges from 3.7 to 7.0 km/h. Bright sunshine hours range from 8.0 to 9.7 hours. Evaporation ranges from 3.6 to 5.2 mm.

CURRENT SYNOPTIC SITUATION: An upper air cyclonic circulation lies over Maldives & neighbourhood extending upto 0.9 km above mean sea level. A trough in easterlies runs from north interior Tamil Nadu to north east Madhya Pradesh across interior Karnataka, Marathwada & east Vidarbha at 0.9 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	04.01.2020	05.01.2020	06.01.2020	07.01.2020	08.01.2020
Rainfall (mm)	0.6	0	0.2	0	0
Maximum temperature(°C)	34	34	34	34	34
Minimum temperature (°C)	23	23	23	23	23
Maximum Relative Humidity (%)	78	78	78	78	78
Minimum Relative Humidity (%)	51	51	51	51	51
Wind speed (kmph)	10	12	6	8	12
Wind direction (deg)	200	270	250	200	50
Total cloud cover (octa)	7	5	6	2	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.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: As a precaution, use bio-pesticides to control the crop pests and diseases.		
Rice (Mundakan) Panicle Emergence	Stem borer	As a prophylactic measure, apply 2CC Trichogramma japonicum card per acre to control stem borer in paddy. Cut the cards in to small pieces and fix in different parts of the field. If the attack is severe, spray 3ml chlorantraniliprole per 10 litre of water.
	Bacterial Leaf blight	To control the spread of bacterial leaf blight in paddy, spray 6g of streptomycin in 30 litre of water.
Vegetables (cowpea)	Fusarium wilt	There is a chance of fusarium wilt in cowpea. Drench the soil rhizosphere with 2g of bavistin or 2 ml of contaf per one litre of water alternatively within 15 days interval to control the disease. Severely affected plants should be removed and destroyed from the field and apply a pinch of bleaching powder in the pit.
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.
Animal Husbandry		Vaccinate animals against foot and mouth disease and and hemorrhagic septicemia. (CAADECCS, KVASU, Mannuthy)