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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

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20.08.2021

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 62.4 mm. The maximum temperature ranges from 29.2°C to 30.4°C, minimum temperature ranges from 22.2°C to 24.2°C. Morning relative humidity ranges from 94% to 98% and afternoon relative humidity ranges from 75% to 85%. Wind speed ranges from 1.3 to 2.7 km/h. Bright sunshine hours range from 0.1 to 4.2 hours. Evaporation ranges from 1.4 to 2.6 mm.

CURRENT SYNOPTIC SITUATION: : The Cyclonic circulation over south Bihar & neighbourhood lies over Northeast Madhya Pradesh & neighbourhood extending upto 3.1km above mean sea level. The off shore trough at mean sea level runs from south Maharashtra coast to Kerala coast.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	21.08.2021	22.08.2021	23.08.2021	24.08.2021	25.08.2021
Rainfall (mm)	0.6	3	11	10	2
Maximum temperature(°C)	30	31	31	30	30
Minimum temperature (°C)	23	24	24	23	23
Maximum Relative Humidity (%)	96	96	96	96	96
Minimum Relative Humidity (%)	79	79	79	79	79
Wind speed (kmph)	3	3	3	4	4
Wind direction (deg)	270	270	250	250	230
Total cloud cover (octa)	6	8	7	8	7

As per the forecast of IMD & KAU, there is a chance of light rainfall in the district. Normal to above normal rainfall is expected in Kerala.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Pesticides can be applied only during dry period.		
Paddy (virippu) Panicle Emergence	Bacterial Leaf blight	To control and prevent Bacterial Leaf blight in paddy, dissolve 20 g of cow dung in one litre of water and spray the supernatant liquid by mixing with 20g of pseudomonas in one litre of water.
	Rice bug	There is a chance of appearance of rice bug in paddy. To control, spray 2 ml malathion per one litre of water. Pesticides application should be done either before 9 am or after 3 pm. Otherwise, the pesticide application will adversely affect the pollination.
Pepper	Foot rot	As a prophylactic measure to manage foot rot during rainy season, add 2 kg Trichoderma to a mixture of 90 kg FYM & 10 kg neem cake and kept for two weeks with sufficient moisture. Add 2.5 kg of this mixture to the base of each matured pepper vine to control foot rot disease.
Ginger	Shoot borer	There is a chance of shoot borer in ginger. Spray 20 g <i>Beauveria</i> per one litre of water to control stem borer.
Turmeric	Leaf Blotch	During rainy season there is a chance of Leaf blotch in Turmeric. To control, spray 2 ml. Contaf (Hexaconazole) in one litre of water.
Vegetables (Cowpea)	Spodoptera	There is a chance of Spodoptera attack in cowpea. To control, spray chlorantraniliprole (coragen) 3 ml per ten litre of water.
Animal Husbandry	Sundry the cattle feed frequently to avoid fungal growth. Give foot and mouth disease (FMD) vaccination to the animal (caadeccs, kvasu, Mannuthy).	