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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

AAS 39/2019(78), Friday

27.09.2019

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 37.6 mm. The maximum temperature ranges from 30.2°C to 32.8°C, minimum temperature ranges from 21.2°C to 22.5°C. Morning relative humidity ranges from 88 % to 99% and afternoon relative humidity ranges from 66% to 88%. Wind speed ranges from 0.7 to 1.6 km/h. Bright sunshine hours range from 0.0 to 7.5 hours. Evaporation ranges from 1.2 to 3.3 mm.

CURRENT SYNOPTIC SITUATION: A cyclonic circulation lies over Saurashtra & adjoining areas of northeast Arabian sea extending upto 7.6 km above mean sea level. A cyclonic circulation lies over Equatorial Indian ocean and adjoining south Bay of Bengal extending upto 1.5 km above mean sea level. A cyclonic circulation lies over north east Bay of Bengal & neighbourhood extending upto 2.1 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	28.09.2019	29.09.2019	30.09.2019	01.10.2019	02.10.2019
Rainfall (mm)	2	3	14	18	0.3
Maximum temperature(°C)	31	31	31	31	31
Minimum temperature (°C)	21	21	21	21	21
Maximum Relative Humidity (%)	92	92	92	92	92
Minimum Relative Humidity (%)	75	75	75	75	75
Wind speed (kmph)	6	4	6	8	6
Wind direction (deg)	200	230	200	200	250
Total cloud cover (octa)	6	6	7	7	5

Light rainfall is forecasted in the district by IMD & KAU.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Prophylactic measures can be taken to control crop pest & diseases to avoid their spread.		
Rice(<i>Virippu</i>) Harvesting stage	Bacterial Leaf blight	To control the spread of Bacterial Leaf blight in paddy, during rainy season, mix 20 g of cow dung in one litre of water and spray the cow dung slurry by mixing with 20g of pseudomonas in one litre of water.
Banana	Pseudostem weevil	During the rainy season, if infestation of pseudostem weevil is noticed, spray 2.5 ml of chlorpyrifos or 2 ml of quinalphos mixing with gum per one litre of water in leaf axils and by inserting the nozzle through the boreholes made by the larvae.
Nutmeg	Fruit rot & leaf fall	During rainy season, there is a chance of Fruit rot and leaf fall in Nutmeg. As a prophylactic measure, apply <i>Trichoderma</i> mixture. Add 2 kg <i>Trichoderma</i> to a mixture of 90 kg FYM and 10 kg Neemcake and kept for two weeks with sufficient moisture. Basal application of 2.5 kg of this mixture will be followed by foliar spray with pseudomonas (20g/litre) or 1% Bordeaux mixture. Lime can be applied to reduce soil acidity.
Vegetables (cowpea)	Aphids	There is a chance of aphids in cowpea. Apply 2% neemoil emulsion or apply 20 g <i>Verticillium lecanii</i> per one litre of water in 10 days intervals. If aphid attack is severe, apply 3 ml Imidacloprid or 2 g Thiamethoxam per 10 litre of water.
Animal Husbandry		<ul style="list-style-type: none"> • Ensure the availability of green fodder to the animal daily. • Provide mineral and vitamin mixture in prescribed quantity daily. (CAADECCS, KVASU Mannuthy)