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**Agromet Advisory Service Bulletin**

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**THRISSUR DISTRICT**

AAS 30/2019(60), Friday

26.07.2019

**SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:**

The total rainfall received 357.1 mm. The maximum temperature ranges from 28.2°C to 30.4°C, minimum temperature ranges from 20.2°C to 22.2°C. Morning relative humidity ranges from 96 % to 99% and afternoon relative humidity ranges from 73% to 99%. Wind speed ranges from 0.7 to 3.3 km/h. Bright sunshine hours range from 0.0 to 2.1 hours. Evaporation ranges from 0.9 to 2.0 mm.

**CURRENT SYNOPTIC SITUATION:** Under the influence of the cyclonic circulation over northern parts of West Bengal & neighbourhood a low pressure area has formed over northwest Bay of Bengal & adjoining coastal areas of West Bengal. Associated cyclonic circulation extends upto 7.6 km above mean sea level, tilting southwestwards with height. A trough runs from the cyclonic circulation associated with the low pressure area to north Rajasthan across Jharkhand, north Chhattisgarh and cyclonic circulation over south Uttar Pradesh & neighbourhood between 3.1 & 7.6 km above mean sea level tilting southwards with height.

**WEATHER FORECAST FOR THE NEXT FIVE DAYS:**

Weather parameters	27.07.2019	28.07.2019	29.07.2019	30.07.2019	31.07.2019
Rainfall (mm)	15	7	0	0	5
Maximum temperature (°C)	31	31	31	31	31
Minimum temperature (°C)	23	23	23	23	23
Maximum Relative Humidity (%)	95	95	95	95	95
Minimum Relative Humidity (%)	75	75	75	75	75
Wind speed (kmph)	4	6	6	6	6
Wind direction (deg)	290	270	270	270	290
Total cloud cover (octa)	8	7	5	5	6

**As per the forecast of IMD & KAU, there is a chance of decreasing the intensity of rainfall.**

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	Stage	Pest/ Disease	Advisories
<b>General Advisories:</b> Proper drainage facilities should be ensured to protect the agricultural crops from pest & diseases during this rainy season.			
Rice (Virippu)	Tillering stage	Bacterial Leaf blight	To control Bacterial Leaf blight in paddy, 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	Bunch emergence stage	Sigatoka disease	Due to the pre monsoon showers, there is a chance of Sigatoka disease in banana. As a precaution, Spray Pseudomonas 20g/litre. In case of severe attack spray 1 gm Bavistin by mixing it with gum in 1 litre of water on lower surface of leaf.
Pepper	-	Foot rot	Due to continuous rain, there is a chance of foot rot in pepper. Add 2 kg Trichoderma to a mixture of 90 kg FYM and 10 kg Neemcake and kept for two weeks with sufficient moisture. Add 2.5 kg of this mixture to each matured vine to control foot rot of pepper. Severely affected pepper vines should be sprayed with and soil should be drenched with 1% Bordeaux mixture or 20 g Pseudomonas fluorescens or 2.5 g copper oxychloride or 2 g copper hydroxide in one litre of water.
Vegetables (cowpea)	-	Aphids	There is a chance of aphids in cowpea. Apply 2% neemoil emulsion or apply 20 g verticillium lecanii 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		Keep the cattle shed and premises clean to avoid mosquito breeding. (CAADECCS, KVASU, Mannuthy)	