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**Agromet Advisory Service Bulletin**

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**THRISSUR DISTRICT**

**AAS 35/2019(69), Tuesday**

**27.08.2019**

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

The total rainfall received 120.8 mm. The maximum temperature ranges from 29.0°C to 31.0°C, minimum temperature ranges from 20.0°C to 22.9°C. Morning relative humidity ranges from 91 % to 98% and afternoon relative humidity ranges from 66% to 95%. Wind speed ranges from 0.7 to 1.6 km/h. Bright sunshine hours range from 0.3 to 3.4 hours. Evaporation ranges from 2.0 to 2.7 mm.

**CURRENT SYNOPTIC SITUATION:** A cyclonic circulation lies over East Madhya Pradesh & adjoining Chhattisgarh between 0.9 & 7.6 km above mean sea level tilting southwestwards with height. An eastwest shear zone lies roughly along Lat 22°N across central India between 3.1 & 5.8 km above mean sea level.

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

Weather parameters	28.08.2019	29.08.2019	30.08.2019	31.08.2019	01.09.2019
Rainfall (mm)	30	15	25	10	12
Maximum temperature(°C )	30	30	30	30	30
Minimum temperature (°C )	21	21	21	21	21
Maximum Relative Humidity (%)	97	97	97	97	97
Minimum Relative Humidity (%)	85	85	85	85	85
Wind speed (kmph)	4	8	6	8	8
Wind direction (deg)	250	230	250	270	270
Total cloud cover (octa)	8	7	8	6	7

**According to the forecast of IMD & KAU, there is a chance for moderate rainfall in the coming three days in the district.**

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	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( <i>Virippu</i> ) Panicle stage	Bacterial Leaf blight	There is a chance of spread of Bacterial Leaf blight in paddy, during rainy season. To control this, 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	Erwinia Rot	During rainy season, there is a chance of Erwinia rot in banana. Proper drainage should be ensured in the banana field. As a precaution, apply lime in the banana basin or bleaching powder in the irrigation channels. To improve the disease resistance, drench the basin with Pseudomonas @ 20g per litre of water. Affected plants can be protected by drenching the basin with 5 g bleaching powder or 3 g copper oxychloride or 2g copper hydroxide per one litre of water. Severely affected plants should be cut and removed to prevent the spread of disease.
Ginger, Turmeric	Rhizome rot	During rainy season there is a chance of rhizome rot, to control this dig out the affected plants and drenching copper oxychloride 2g per one litre of water.
Vegetables (cowpea)	Anthracoese disease	During rainy season, there is a chance of Anthracnose disease in vegetables. As prophylactic measure apply 1% Bordeaux mixture.
Animal Husbandry		Avoid water logging in the premises of cattle shed. Take measures for avoid housefly and mosquito breeding. (CAADECCS, KVASU Mannuthy)