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**Agromet Advisory Service Bulletin**

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**THRISSUR DISTRICT**

**AAS 26/2020,(51) Tuesday**

**23.06.2020**

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

The total rainfall received 102.3 mm. The maximum temperature ranges from 28.7°C to 32.4°C, minimum temperature ranges from 22.8°C to 24.0°C. Morning relative humidity ranges from 93% to 99% and afternoon relative humidity ranges from 69% to 98%. Wind speed ranges from 0.5 to 1.3 km/h. Bright sunshine hours range from 0.0 to 6.9 hours. Evaporation ranges from 1.8 to 3.0 mm.

**CURRENT SYNOPTIC SITUATION:** A cyclonic circulation lies over interior Odisha & neighbourhood between 2.1 km & 5.8 km above mean sea level tilting Southwestwards with height. A cyclonic circulation lies over Northwest Arabian sea and neighbourhood between 1.5 & 5.8 km above mean sea level. A cyclonic circulation lies over Southeast Bay of Bengal between 3.1 & 5.8 km above mean sea level. A cyclonic circulation lies over Southeast Arabian sea off Kerala coast at 7.6 km above mean sea level.

**HEAVY RAINFALL WARNING:**

**DAY 4: Heavy rainfall (7- 11 cm in 24 hours)** is very likely to occur at one or two places in the districts of Ernakulam, Thrissur and Palakkad .

**DAY 5: Heavy rainfall (7- 11 cm in 24 hours)** is very likely to occur at one or two places in the districts of Thrissur and Palakkad.

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

Weather parameters	24.06.2020	25.06.2020	26.06.2020	27.06.2020	28.06.2020
Rainfall (mm)	5	25	25	80	35
Maximum temperature(°C )	31	31	31	31	31
Minimum temperature (°C )	23	23	23	23	23
Maximum Relative Humidity (%)	100	100	100	100	100
Minimum Relative Humidity (%)	77	77	77	77	77
Wind speed (kmph)	8	6	8	10	14
Wind direction (deg)	270	270	230	230	270
Total cloud cover (octa)	8	8	8	8	8

As per the forecast of IMD & KAU, there is a chance of moderate rainfall in the district and heavy rainfall in isolated places.

**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 rainy season.		
Paddy	Land preparation to transplanting	Transplant seedlings at 4 to 5 leaf stage. The root of seedlings should be soaked for 30 minutes in a solution of <i>Pseudomonas</i> culture @10g per one litre of water for one kg of seeds to control sheath blight, sheath rot, leaf spot disease etc.
Coconut	Bud rot	During rainy season, there is a chance of bud rot disease in coconut. Spray 1% Bordeaux mixture on the crown as a prophylactic measure.
Banana	Sigatoka disease	If there is sigatoka disease seen in banana, as a prophylactic measure, spray 1% Bordeaux mixture. Ensure drainage facilities in low land banana plantations.
	Rhizome rot	Due to the increase in rainfall, there is a chance of Rhizome rot in banana. As a precaution, pour 3 litre of pseudomonas solution (20 gm per 1litre) at the basin.
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 each matured vine to control foot rot of pepper.
Vegetables (Cowpea)	Anthraxnose disease	During rainy season, there is a chance of Anthracnose disease in Cowpea. As a prophylactic measure, apply 1% Bordeaux mixture or spray pseudomonas 20 gm per litre
Animal Husbandry	To prevent the mixing of contaminated water in water sources, apply bleaching powder or other disinfectants available in the market as per manufacturer's instructions.	