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**Agromet Advisory Service Bulletin**

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**CHALAKUDY BLOCK, THRISSUR DISTRICT**

**AAS 30/2020,(59) Tuesday**

**21.07.2020**

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

The total rainfall received 77.3 mm. The maximum temperature ranges from 26.3°C to 32.0°C, minimum temperature ranges from 22.3°C to 24.3°C. Morning relative humidity ranges from 92% to 98% and afternoon relative humidity ranges from 65% to 96%. Wind speed ranges from 0.3 to 1.9 km/h. Bright sunshine hours range from 0.0 to 5.6 hours. Evaporation ranges from 1.0 to 3.5 mm.

**CURRENT SYNOPTIC SITUATION:** A north-south trough runs from North Interior Karnataka to interior Tamilnadu across South Interior Karnataka extending upto 0.9 km above mean sea level. A cyclonic circulation lies over North Interior Karnataka & neighbourhood at 1.5 km above mean sea level. A cyclonic circulation lies over Lakshadweep-Maldives area & adjoining Southeast Arabian Sea extending between 3.1 & 5.8 km above mean sea level tilting southwestwards with height.

**HEAVY RAINFALL WARNING:**

**DAY 2: Heavy rainfall (7- 11 cm in 24 hours)** is very likely to occur at one or two places in the districts of Idukki, Thrissur & Wayanad.

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

Weather parameters	22.07.2020	23.07.2020	24.07.2020	25.07.2020	26.07.2020
Rainfall (mm)	12	15	16	20	5
Maximum temperature(°C )	32	32	32	32	32
Minimum temperature (°C )	22	22	22	22	22
Maximum Relative Humidity (%)	95	95	95	95	95
Minimum Relative Humidity (%)	82	82	82	82	82
Wind speed (kmph)	10	12	16	12	14
Wind direction (deg)	250	250	230	230	230
Total cloud cover (octa)	8	8	8	8	6

As per the forecast of IMD & KAU, there is a chance of moderate rainfall 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 rainy season.		
Rice ( <i>Virippu</i> ) Tillering stage	Bacterial Leaf Blight (BLB)	As a prophylactic measure to manage Bacterial Leaf Blight during rainy season, spray a mixture of cow dung slurry (20g cow dung per one litre of water) and pseudomonas solution (20g per one litre of water).
Banana	Rhizome rot	Due to the increase in rainfall, there is a chance of Rhizome rot in banana. As a precaution, drench the basin with three litre of pseudomonas solution (20g per one litre of water).
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 pepper vine to control foot rot disease.
Cucurbitaceous Vegetables	Downy mildew	Due to high relative humidity, there is a chance of downy mildew attack in cucurbitaceous vegetables. As a prophylactic measure, spray pseudomonas solution (20 g per one litre) under the leaves.
Animal Husbandry	Don't allow the animals to water logged areas to avoid foot lesions.	