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**Agromet Advisory Service Bulletin**

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**THRISSUR DISTRICT**

**AAS 32/2020,(63) Tuesday**

**04.08.2020**

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

The total rainfall received 301.6 mm. The maximum temperature ranges from 25.0°C to 32.9°C, minimum temperature ranges from 21.7°C to 23.8°C. Morning relative humidity ranges from 95% to 98% and afternoon relative humidity ranges from 69% to 98%. Wind speed ranges from 0.9 to 2.5 km/h. Bright sunshine hours range from 0.0 to 10.7 hours. Evaporation ranges from 2.0 to 3.6 mm.

**CURRENT SYNOPTIC SITUATION:** A low pressure area has formed over north Bay of Bengal and neighbourhood in the morning of 4th August 2020 and it now lies over north Bay of Bengal off West Bengal Bangladesh coasts. The associated cyclonic circulation extends upto 7.6 km above mean sea level tilting southwestwards with height. The cyclonic circulation over Gangetic West Bengal & adjoining Bangladesh between 2.1 & 3.1 km above mean sea level has merged with the above system. The cyclonic circulation over East Central Arabian Sea off north Maharashtra coast now lies over south Gujarat and neighbourhood between 3.1 & 7.6 km above mean sea level tilting southwards with height.

**HEAVY RAINFALL WARNING:**

**DAY 1: Heavy rainfall (7- 11 cm in 24 hours)** is very likely to occur at one or two places in the districts of Alappuzha, Kottayam, Ernakulam, Thrissur & Palakkad

**DAY 2: Heavy rainfall (7- 11 cm in 24 hours)** is very likely to occur at one or two places in the districts of Thiruvananthapuram, Kollam, Pathanamthitta, Alappuzha, Kottayam, Ernakulam, Thrissur & Palakkad.

**DAY 3: Very Heavy rainfall (12- 21 cm in 24 hours)** is very likely to occur at a few places in the district of Ernakulam, Idukki, Thrissur, Palakkad, Malappuram, Kozhikode, Wayanad, Kannur & Kasaragod.

**DAY 5: Very Heavy rainfall (12- 21 cm in 24 hours)** is very likely to occur at a few places in the district of Kottayam, Ernakulam, Thrissur, Palakkad, Kozhikode, Wayanad, Kannur & Kasaragod.

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

Weather parameters	05.08.2020	06.08.2020	07.08.2020	08.08.2020	09.08.2020
Rainfall (mm)	40	55	49	40	45
Maximum temperature(°C)	29	29	29	29	29
Minimum temperature (°C)	23	23	23	23	23
Maximum Relative Humidity (%)	95	95	95	95	95
Minimum Relative Humidity (%)	90	90	90	90	90
Wind speed (kmph)	8	10	5	3	2
Wind direction (deg)	270	270	290	230	230
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</b> Advisories: 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, apply bleaching powder @ 200g per one acre in the irrigation water.
Banana	Rhizome rot	Ensure drainage facilities in low land banana plantations. 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.
Ginger	Soft rot	During rainy season, to avoid the spreading of soft rot in ginger, apply mixture of bleaching powder and lime in to the basin.
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 copper oxychloride 3 gram per one litre of water.
Animal Husbandry	Deworming of animals should be done only after dung sample examination. In calves first dose of medicine should be given within 15 days of age.	