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**Agromet Advisory Service Bulletin**

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**ERNAKULAM DISTRICT**

**AAS 25/2020,(50) Friday**

**19.06.2020**

**CURRENT SYNOPTIC SITUATION:** The cyclonic circulation over central Arabian Sea & neighbourhood lay over northwest & adjoining westcentral Arabian Sea between 1.5 km & 7.6 km above mean sea level.

**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 Alappuzha, Kottayam, Ernakulam, Idukki, Thrissur, Malappuram, , Kozhikode, Kannur & Kasaragod.

**DAY 3:** Very Heavy rainfall (12-20 cm in 24 hours) is very likely to occur at one or two places in the districts of Ernakulam & Idukki.

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

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

Weather parameters	20.06.2020	21.06.2020	22.06.2020	23.06.2020	24.06.2020
Rainfall (mm)	5	25	35	26	6
Maximum temperature(°C )	32	32	32	32	32
Minimum temperature (°C )	24	24	24	24	24
Maximum Relative Humidity (%)	90	90	90	90	90
Minimum Relative Humidity (%)	80	80	80	80	80
Wind speed (kmph)	4	6	6	6	4
Wind direction (deg)	320	320	320	320	340
Total cloud cover (octa)	6	8	8	8	6

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. in future.
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.
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	Downy mildew	Due to high relative humidity, there is a chance of downy mildew attack in vegetables. Spray 3gm Mancozeb per one litre of water under the leaves.
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.	