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**Agromet Advisory Service Bulletin**

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**ERNAKULAM DISTRICT**

**AAS 24/2020,(48) Friday**

**12.06.2020**

**CURRENT SYNOPTIC SITUATION:** A low pressure area lies over north coastal Andhra Pradesh and adjoining coastal Odisha & neighbourhood with associated cyclonic circulation extending upto 7.6 km above mean sea level, tilting southwestwards with height. An east-west shear zone runs between 3.1 and 7.6 km above mean sea level roughly along latitude 17°N across Peninsular India, tilting southwards with height.

**HEAVY RAINFALL WARNING:**

**DAY 1: Heavy(7- 11 cm in 24 hours)** is very likely to occur at one or two places in the districts of Idukki, Ernakulam, Thrissur, Kozhikode, Kannur & Kasaragod.

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

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

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

Weather parameters	13.06.2020	14.06.2020	15.06.2020	16.06.2020	17.06.2020
Rainfall (mm)	15	20	20	25	30
Maximum temperature(°C )	30	30	30	30	30
Minimum temperature (°C )	24	24	24	24	24
Maximum Relative Humidity (%)	85	85	85	85	85
Minimum Relative Humidity (%)	78	78	78	78	78
Wind speed (kmph)	16	18	20	22	16
Wind direction (deg)	270	270	290	250	250
Total cloud cover (octa)	7	8	8	8	8

As per the forecast of IMD & KAU, there is a chance of widespread 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..		
Paddy	Land preparation to transplanting	Transplant seedlings at 4 to5 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	There is a chance of bud rot in rainy season. Keep three numbers each of perforated Mancozeb sachets (5 gm) around spindle leaves as a prophylactic measure against bud rot.
Banana	Sigatoka disease	As a prophylactic measure to manage sigatoka disease in banana, spray 20 g <i>Pseudomonas</i> per one litre of water.
Pepper	Foot rot	As a prophylactic measure to manage foot rot during rainy season, add 2 kg <i>Trichoderma</i> 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.
Cucurbitaceous Vegetables	Downy mildew	Due to high relative humidity, there is a chance of downy mildew attack in cucurbitaceous vegetables. Apply of 3gm, curzate M-8 or <i>Trichoderma</i> 20 g per one litre of water under the leaves in 15 days interval.
Animal Husbandry	Sundry the cattle feed to avoid fungal growth and always store feed in the dry place.	