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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

AAS 30/2021, (59)Tuesday

20.07.2021

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 331.9 mm. The maximum temperature ranges from 25.1C to 31.2°C, minimum temperature ranges from 21.3°C to 23.2°C. Morning relative humidity ranges from 98% to 99% and afternoon relative humidity ranges from 70% to 99%. Wind speed ranges from 0.3 to 1.7 km/h. Bright sunshine hours range from 0.0 to 2.7 hours. Evaporation ranges from 0.7 to 2.0 mm.

CURRENT SYNOPTIC SITUATION: An off-shore trough at mean sea level runs from Maharashtra coast to Karnataka coast. An east-west shear zone runs roughly along Lat.18°N between 4.5 km & 5.8 km above mean sea level tilting southwards with height.

HEAVY RAINFALL WARNING: Day 3, Day 4 Day 5: Heavy (7- 11 cm in 24 hours) rainfall is very likely to occur at isolated places in the districts of Kollam, Pathanamthitta, Alappuzha, Kottayam, Ernakulam, Thrissur, Malappuram, Wayanad ,Kannur & Kasaragod.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	21.07.2021	22.07.2021	23.07.2021	24.07.2021	25.07.2021
Rainfall (mm)	8	10	20	22	10
Maximum temperature(°C)	30	30	29	29	29
Minimum temperature (°C)	24	24	23	23	23
Maximum Relative Humidity (%)	97	97	97	97	97
Minimum Relative Humidity (%)	75	75	75	75	75
Wind speed (kmph)	10	8	12	6	6
Wind direction (deg)	290	290	270	270	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. Above normal rainfall is expected in Kerala.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Proper drainage facilities have to be ensured. If the soil is more acidic, add lime as per soil testing.		
Paddy (virippu) Tillering stage	Bacterial Leaf blight	To control and prevent Bacterial Leaf blight in paddy, dissolve 20 g of cow dung in one litre of water and spray the supernatant liquid by mixing with 20g of pseudomonas in one litre of water.
Banana	Blast and pitting disease	Ensure drainage facilities in low land banana plantations. Appearance of small sunken brown spots on matured fruits is the symptom of blast and pitting disease. To prevent the disease, cut and remove dried leaves from the garden and protect the bunches with bunch cover. If the disease is occurring regularly and bunch maturing coincides with rainy season, spray fungicide like azoxystrobin 0.5 milli litre or tebuconazole + trifloxystrobin (Nativo) 0.5 gram per litre of water within one month of bunch emergence.
Nutmeg	Leaf fall	As a precautionary measure to manage leaf fall during rainy season, spray 1% bordeaux mixture.
Ginger and Turmeric	Soft rot	During rainy season, apply mixture of 15 gram bleaching powder and 250 gram lime in to the basin of three meter square bed to avoid the spreading of soft rot in ginger and turmeric.
Cucurbitaceous Vegetables	Downy mildew	Due to high relative humidity, there is a chance of downy mildew attack in cucurbitaceous vegetables. Spray 2.5gm Mancozeb per one litre of water under the leaves.
Animal Husbandry	Avoid water logging in the cattle shed premises to prevent mosquito breeding. If required apply mosquito / fly repellent on the animal body and in the cattle shed.(caadeccs, kvasu, Mannuthy)	