



**Kerala Agricultural University, Vellanikkara, Thrissur**  
**Department of Agricultural Meteorology, College of Agriculture**

Email: cohagmet@kau.in&kauagmet@yahoo.co.in

**Agromet Advisory Service Bulletin**

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**ERNAKULAM DISTRICT**

**AAS 28/2021, (55)Tuesday**

**06.07.2021**

**CURRENT SYNOPTIC SITUATION:** A north-south trough runs from North Interior Karnataka to south interior Tamilnadu across South Interior Karnataka extending upto 0.9 km above mean sea level.

**HEAVY RAINFALL WARNING:** Day 2, Day 3 and Day 4: Heavy (7- 11 cm in 24 hours) rainfall is very likely to occur at isolated places in the districts of Alappuzha , Ernakulam & Idukki.

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

Weather parameters	07.07.2021	08.07.2021	09.07.2021	10.07.2021	11.07.2021
Rainfall (mm)	6	14	20	10	8
Maximum temperature(°C )	31	31	31	31	31
Minimum temperature (°C )	25	25	25	25	25
Maximum Relative Humidity (%)	94	94	94	94	94
Minimum Relative Humidity (%)	75	75	75	75	75
Wind speed (kmph)	18	16	14	22	18
Wind direction (deg)	320	290	290	320	290
Total cloud cover (octa)	7	8	8	8	8

Moderate rainfall is forecasted in the district by IMD & KAU. Normal rainfall is expected in Kerala.

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	Pest/ Disease	Advisories
<b>General Advisories:</b> 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.
Coconut	Management	25 to 50 kilogram of organic manure can be applied per one matured palm during rainy season by opening the coconut basin.
Banana	Sigatoka disease	Ensure drainage facilities in low land banana plantations. As a prophylactic measure spray 1% Bordeaux mixture. If Sigatoka attack is seen, spray one milli litre hexaconazole or one milli litre propiconazole per one liter of water on both the surface of the leaf.
	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 liter of water).
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.
Vegetables (Cowpea & chilly)	Anthraco nose disease	During rainy season, there is a chance of Anthracnose disease in Cowpea and chilly. As a prophylactic measure, apply 1% Bordeaux mixture or spray pseudomonas 20 gm per liter.
Animal Husbandry	Don't allow the animals to water logged areas to avoid foot lesions.	