



**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 37/2021, (74)Friday**

**10.09.2021**

**CURRENT SYNOPTIC SITUATION:** A cyclonic circulation lies over East central Bay of Bengal & neighbourhood and extends upto 7.6 km above mean sea level.

**HEAVY RAINFALL WARNING:** Day 4 and day 5: Heavy (7- 11 cm in 24 hours) rainfall is very likely to occur at isolated places in the districts of Kottayam, Ernakulam, Idukki, Kozhikode, Wayanad, Kannur & Kasaragod.

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

Weather parameters	11.09.2021	12.09.2021	13.09.2021	14.09.2021	15.09.2021
Rainfall (mm)	10	10	20	30	40
Maximum temperature(°C )	31	31	30	29	29
Minimum temperature (°C )	25	25	25	25	24
Maximum Relative Humidity (%)	92	92	92	92	92
Minimum Relative Humidity (%)	76	76	76	76	76
Wind speed (kmph)	8	7	7	8	6
Wind direction (deg)	320	290	320	250	270
Total cloud cover (octa)	7	8	8	8	8

As per the forecast of IMD & KAU, there is a chance of moderate rainfall in the district. Normal rainfall is expected in Kerala.

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	Pest/ Disease	Advisories
<b>General Advisories:</b> Pesticides can be applied only during dry period.		
Paddy (virippu) Milky stage	Rice bug	There is a chance of appearance of rice bug in paddy. To control, spray 2 ml malathion per one litre of water. Pesticides application should be done either before 9 am or after 3 pm. Otherwise, the pesticide application will adversely affect the pollination.
Rice (Mundakan)	Land preparation	Land preparations for mundakan paddy can be started in kole paddy field, apply lime during nursery preparation. Seed treatment with pseudomonas can be done before sowing. (10 gram of pseudomonas for one kg of paddy seeds.)
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 and 10 kg neem cake and kept for two weeks with sufficient moisture. Add 2.5 kg of this mixture to the base of each matured pepper vine.
	Slow wilt	As a control measure the slow wilt diseases in pepper, drench the basin with three gram Copper Oxy Chloride (COC) per one litre of water.
Nutmeg	Leaf fall	As a prophylactic measure, spray 1% bordeaux mixture to manage leaf fall during rainy season.
Arecanut	Mahali	Keep the field clean. Destroy completely affected trees. As a prophylactic measure, spray 1% Bordeaux mixture or two gram Copper oxychloride with stickers at 40-45 days interval.
Ginger & Turmeric	Shoot borer	There is a chance of shoot borer in ginger and turmeric. Spray 20 g <i>Beauveria</i> per one litre of water to control stem borer.
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 (chilly)	Anthraco disease	During rainy season, there is a chance of Anthracnose disease in chilly. As a prophylactic measure, apply 1% Bordeaux mixture or spray pseudomonas 20 gm per liter.
Animal Husbandry	Avoid water logging in the cattle shed premises to prevent mosquito breeding. If required apply mosquito or fly repellent on the animal body and in the cattle shed. (caadeccs, kvasu, Mannuthy).	

(Information given by RRS Vyttila)