



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

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24.09.2021

CURRENT SYNOPTIC SITUATION: A cyclonic circulation lies over Eastcentral Bay of Bengal & neighbourhood extending upto mid-tropospheric levels. Under the influence of the above cyclonic circulation, a Low Pressure Area has formed over Eastcentral Bay of Bengal and neighborhood. A cyclonic circulation lies over northeast Madhya Pradesh & adjoining south Uttar Pradesh extending upto 4.5 km above mean sea level. A cyclonic circulation lies over south Coastal Andhra Pradesh & neighbourhood between 1.5 km & 2.1 km above mean sea level.

Heavy Rainfall Warning: Day 3, 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 Thiruvananthapuram, Kollam, Pathanamthitta, Alappuzha, Kottayam, Ernakulam, Idukki & Thrissur and in Lakshadweep.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	25.09.2021	26.09.2021	27.09.2021	28.09.2021	29.09.2021
Rainfall (mm)	4	10	20	25	20
Maximum temperature(°C)	31	31	30	30	30
Minimum temperature (°C)	26	25	25	25	25
Maximum Relative Humidity (%)	94	94	94	94	94
Minimum Relative Humidity (%)	80	80	80	80	80
Wind speed (kmph)	16	12	16	14	16
Wind direction (deg)	290	270	290	290	290
Total cloud cover (octa)	6	8	7	8	8

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

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Pesticides can be applied only during dry period.		
Paddy (virippu) Maturity 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.)
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.
Turmeric	Leaf Blotch (Taphrina maculans)	As a prophylactic measure, spray 2ml hexaconazole (Contaf) or 1 ml Propiconazole (Tilt) or 2.5 g copper oxychloride (Blitox or Blue copper) or 2 gram SAAF dissolved in one litre of water. Spraying can be continued at fortnightly intervals depending upon the intensity of the disease.
Ginger	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.
	Rhizome 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 rhizome rot in ginger.
Animal Husbandry	Don't allow the animals to graze in water logged areas to avoid foot lesions. Give foot and mouth disease vaccination (F M D) to the animal. (caadeccs, kvasu, Mannuthy).	

(Information given by RRS Vytila)