



Kerala Agricultural University, Vellanikkara, Thrissur
Department of Agricultural Meteorology, College of Horticulture

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

Agromet Advisory Service Bulletin

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ERNAKULAM DISTRICT

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CURRENT SYNOPTIC SITUATION: A cyclonic circulation lies over Telangana & adjoining Vidarbha and extending upto 0.9 km above mean sea level. An east-west shear zone runs roughly along Lat. 16°N across Peninsular India between 3.1 km & 5.8 km above mean sea level tilting southwards with height. The cyclonic circulation over north Coastal Andhra Pradesh & neighbourhood between 3.1 km & 3.6 km above mean sea level has merged with east-west shear zone. A cyclonic circulation lies over southwest Bay of Bengal off north Tamilnadu coast at 7.6 km above mean sea level. A cyclonic circulation lies over west central Bay of Bengal off north Andhra Pradesh-south Odisha coasts at 1.5 km above mean sea level.

HEAVY RAINFALL WARNING: Heavy rainfall (7- 11 cm in 24 hours) is very likely to occur at one or two places in the Ernakulam district for the next five days.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	19.09.2020	20.09.2020	21.09.2020	22.09.2020	23.09.2020
Rainfall (mm)	20	28	21	18	16
Maximum temperature(°C)	29	29	29	29	29
Minimum temperature (°C)	24	24	24	24	24
Maximum Relative Humidity (%)	98	98	98	98	98
Minimum Relative Humidity (%)	86	86	86	86	86
Wind speed (kmph)	18	20	20	20	22
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 and heavy rainfall in isolated places.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Proper drainage facilities should be ensured to protect the agricultural crops from pest & diseases during rainy season.		
Rice(<i>Virippu</i>) Milky stage	Brown Plant Hopper (BPH)	There is a chance of Brown plant hopper attack in rice. Spray 2 g Thiamethoxam per ten litre of water.
	Sheath Blight	To control sheath blight disease in rice, spray 4 gram of Trifloxystrobin +Tebuconazole in ten litre of water.
Rice (<i>Mundakan</i>)	Land preparation & Nursery preparation	Land preparation and nursery preparation for second paddy (mundakan) crop can be started. As a prophylactic measure, the root of seedlings can be soaked for 30 minutes in a solution of <i>Pseudomonas</i> culture to control sheath blight, sheath rot, leaf spot disease etc.
Coconut	Management	While applying second dose of fertilizers to coconut palms, apply 550 gram urea, 700 gram Rajphos and 800gram potash under irrigated conditions and apply 500 gram urea, 800gram Rajphos and one kg potash under rainfed conditions.
Ginger	Stem borer	There is a chance of stem borer in ginger. Spray 20 g <i>Beauveria</i> per one litre of water to control stem borer.
Turmeric	Leaf Blotch	During rainy season there is a chance of Leaf Blotch in Turmeric. To control, spray 2 ml. Contaf (Hexaconazole) in one litre of water.
Vegetables	-	Addition of pseudomonas culture to the soil at the time of planting of vegetables will help to reduce fungal diseases.
Animal Husbandry	Ensure the availability of green fodder to the animal daily. Provide mineral and vitamin mixture in prescribed quantity daily.	