



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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13.10.2020

CURRENT SYNOPTIC SITUATION: The Deep Depression with maximum sustained wind speed of 55-65kmph gusting to 75 kmph crossed north Andhra Pradesh coast close to Kakinada(near Lat. 17.0°N and long. 82.4°E) between 0630& 0730 hours IST of today, the 13th October 2020, moved westnorthwestwards and lay centred at 0830 hrs IST of today, the 13th October 2020 near latitude 17°N and longitude 82.1°E, about 15 km westnorthwestof Kakinada (Andhra Pradesh) and 200 km eastsoutheast of Khammam (Telangana).The trough from the cyclonic circulation associated with the above system to Eastcentral Arabian Sea roughly along Lat. 15°N across Coastal Andhra Pradesh, Rayalaseema, Coastal& North Interior Karnataka between 3.1 & 5.8 km above mean sea level. A cyclonic circulation lies over Eastcentral Arabian Sea and adjoining Maharashtra coast between 0.9 & 2.1 km above mean sea level.

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

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	14.10.2020	15.10.2020	16.10.2020	17.10.2020	18.10.2020
Rainfall (mm)	25	30	20	5	2
Maximum temperature(°C)	29	29	29	29	29
Minimum temperature (°C)	23	23	23	23	23
Maximum Relative Humidity (%)	98	98	98	95	95
Minimum Relative Humidity (%)	86	86	86	80	80
Wind speed (kmph)	20	26	18	10	10
Wind direction (deg)	270	270	250	270	270
Total cloud cover (octa)	8	8	8	7	6

As per the forecast of IMD & KAU, there is a chance of light to moderate rainfall in the district.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Precaution to be taken while drying of Agricultural products. Pesticide and fertilizer application should not be carried out during rainy situations.		
Rice (Mundakan)	Land preparation to transplanting	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 pseudomonas culture to control sheath blight, sheath rot, leaf spot disease etc. Before transplanting, spray 20 gram Pseudomonas in one litre of water. The micronutrient deficiency of paddy can be managed during rainy season, by spraying 5 gram of paddy sampoorna in one litre of water.
	Rice case worm	During rainy season, there is a chance of rice case worm in paddy field. To control this 25 kg sawdust or rice husk ash mixed with one litre kerosene (for 1 acre) can be spread after draining the field.
Banana	Planting time	The suckers are to be smeared with cowdung solution & ash then they are dried in the sun for about 3 to 4 days before planting.
Pepper	Quick wilt	Due to continuous rain, there is a chance of quick wilt disease in Pepper. As a preventive measure, drench with 3 gram Copper Oxy Chloride (COC) per one litre of water in to the basin of each plant.
Nutmeg	Leaf fall	As a precautionary measure to manage leaf falling in nutmeg, spray 1% bordeaux mixture.
Vegetables (Bittergourd)	Downy mildew	Due to high relative humidity, there is a chance of downy mildew attack in bitter gourd. As a prophylactic measure, spray pseudomonas solution (20 g per one litre) under the leaves.
Animal Husbandry	Ensure the availability of green fodder to the animal daily. Provide mineral and vitamin mixture in prescribed quantity daily.	