



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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THRISSUR DISTRICT

A AAS 31/2019(61), Tuesday

30.07.2019

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 89.0 mm. The maximum temperature ranges from 29.3°C to 31.3°C, minimum temperature ranges from 20.2°C to 23.7°C. Morning relative humidity ranges from 91 % to 98% and afternoon relative humidity ranges from 69% to 89%. Wind speed ranges from 0.6 to 1.5 km/h. Bright sunshine hours range from 0.0 to 5.8 hours. Evaporation ranges from 1.3 to 2.5 mm.

CURRENT SYNOPTIC SITUATION: Under the influence of cyclonic circulation over north Odisha & adjoining areas of Gangetic West Bengal and Jharkhand, a Low Pressure Area has formed over East Madhya Pradesh & adjoining Chhattisgarh. Associated cyclonic circulation extends upto 5.8 km above mean sea level, tilting southwards with height. A cyclonic circulation lies over southwest Rajasthan & neighbourhood and extends upto 3.6 km above mean sea level tilting southwestwards with height. A trough runs from south Gujarat and adjoining North Maharashtra to interior Odisha across the cyclonic circulation associated with the Low pressure area over East Madhya Pradesh and adjoining Chattisgarh and extends between 4.5 & 7.6 km above mean sea level tilting southwards with height.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	31.07.2019	01.08.2019	02.08.2019	03.08.2019	04.08.2019
Rainfall (mm)	2	2	2	3	3
Maximum temperature (°C)	31	31	31	31	31
Minimum temperature (°C)	24	24	24	24	24
Maximum Relative Humidity (%)	90	90	90	90	90
Minimum Relative Humidity (%)	75	75	75	75	75
Wind speed (kmph)	8	8	6	4	4
Wind direction (deg)	270	270	290	270	250
Total cloud cover (octa)	6	7	7	8	8

As per the forecast of IMD & KAU, there is a chance of decreasing the intensity of rainfall.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Stage	Pest/ Disease	Advisories
General Advisories: Proper drainage facilities should be ensured to protect the agricultural crops from pest & diseases during this rainy season.			
Rice (Virippu)	Tillering stage	Bacterial Leaf blight	To control the spread of Bacterial Leaf blight in paddy, during rainy season, mix 20 g of cow dung in one litre of water and spray the cow dung slurry by mixing with 20g of pseudomonas in one litre of water.
Banana	Bunching stage	Pseudostem weevil	During the rainy season, if infestation of pseudostem weevil is noticed, spray 2.5 ml of chlorpyrifos or 2 ml of quinalphos mixing with gum per one litre of water in leaf axils and by inserting the nozzle through the boreholes made by the larvae.
Nutmeg		Fruit rot, leaf fall	During rainy season, there is a chance of Fruit rot and leaf fall in Nutmeg. As a prophylactic measure, apply <i>Trichoderma</i> mixture. Add 2 kg <i>Trichoderma</i> to a mixture of 90 kg FYM and 10 kg Neemcake and kept for two weeks with sufficient moisture. Basal application of 2.5 kg of this mixture followed by foliar spray with pseudomonas (20g/litre) or 1% Bordeaux mixture.
Vegetables		Green leaf hopper	There is a chance of green leaf hopper attack in Bhindi. Spray 2 g Thiamethoxam per 10 litre of water.
Animal Husbandry		Keep the cattle shed and premises clean to avoid mosquito breeding.	(CAADECCS, KVASU, Mannuthy)