



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

AAS 37/2019(74), Friday

13.09.2019

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 134.2 mm. The maximum temperature ranges from 29.8°C to 31.0°C, minimum temperature ranges from 20.9°C to 22.5°C. Morning relative humidity ranges from 95 % to 98% and afternoon relative humidity ranges from 69% to 90%. Wind speed ranges from 0.9 to 2.0 km/h. Bright sunshine hours range from 0.0 to 4.5 hours. Evaporation ranges from 1.9 to 2.9 mm.

CURRENT SYNOPTIC SITUATION: A Low pressure area lies over northeast Madhya Pradesh & adjoining southeast Uttar Pradesh with associated cyclonic circulation extending up to 7.6 km above mean sea level tilting southwards with height. A trough runs from Kutch to Sub-Himalayan West Bengal across southwest Madhya Pradesh, cyclonic circulation associated with Low pressure area over northeast Madhya Pradesh & adjoining southeast Uttar Pradesh and southern parts of Bihar between 1.5 & 5.8 km above mean sea level. A cyclonic circulation lies over north Kerala coast & neighborhood between 5.8 & 7.6 km above mean sea level.

Heavy Rainfall Warning:

Day 5: Heavy rainfall (7- 11 cm in 24 hours) is very likely to occur at isolated places in the districts of Alappuzha, Malappuram & Kannur.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	14.09.2019	15.09.2019	16.09.2019	17.09.2019	18.09.2019
Rainfall (mm)	3	1	2	3	4
Maximum temperature(°C)	32	32	32	32	32
Minimum temperature (°C)	24	24	24	24	24
Maximum Relative Humidity (%)	95	95	95	94	94
Minimum Relative Humidity (%)	70	70	70	70	70
Wind speed (kmph)	4	3	3	4	4
Wind direction (deg)	270	320	320	320	270
Total cloud cover (octa)	6	6	7	7	7

According to the forecast of IMD & KAU, as per the current situation, there is a chance of light rainfall in coming days in the district.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Proper drainage facilities should be ensured to protect the agricultural crops from crop damage as well as pest & diseases during rainy season.		
Rice(Virippu) Milky stage	Rice bug	There is a chance of appearance of rice bug in paddy. To control them, 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.
Coconut	Bud rot disease	There is a chance of bud rot in rainy season. Keep three numbers each of perforated Mancozeb sachets (5 gm per packet) around spindle leaves as a prophylactic measure against bud rot.
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 will be followed by foliar spray with pseudomonas (20g/litre) or 1% Bordeaux mixture.
Ginger, Turmeric	Rhizome rot	During rainy season there is a chance of rhizome rot. To control this, dig out the affected plants and drench the soil with copper oxychloride 2g per one litre of water.
Vegetables (cowpea)	Anthraxnose disease	During rainy season, there is a chance of Anthracnose disease in vegetables. As a prophylactic measure, apply 1% Bordeaux mixture.
Animal Husbandry		Avoid water logging in the premises of cattle shed. Take measures for avoid housefly and mosquito breeding. (CAADECCS, KVASU Mannuthy)