



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

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

Block Level Experimental Agromet Advisory Bulletin

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CHALAKUDY BLOCK, THRISSUR DISTRICT

AAS 31/2018(61), Tuesday

31.07.2018

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 112.9 mm. the maximum temperature ranges from 28.4°C to 30.5°C, minimum temperature ranges from 22.3°C to 23.9°C. Morning relative humidity ranges from 95% to 98% and afternoon relative humidity ranges from 70% to 84%. Wind speed ranges from 1.1 to 2.3 km/h. Bright sunshine hours range from 0.0 to 1.9 hours. Evaporation ranges from 1.5 to 3.4 mm.

CURRENT SYNOPTIC SITUATION: A cyclonic circulation lies over northwest Bay of Bengal Off Odisha – west Bengal coast and seen between 5.8 & 7.6km above mean sea level .

Heavy Rainfall warning:

Day 1: Heavy to very heavy rainfall is most likely to occur at a few places in Kerala.

Day 2: Heavy to very heavy rainfall is most likely to occur at one or two places in Kerala.

Day 3: Heavy rainfall is most likely to occur at one or two places in Kerala.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	01.08.2018	02.08.2018	03.08.2018	04.08.2018	05.08.2018
Rainfall (mm)	40	15	20	5	10
Maximum temperature (°C)	28	29	29	29	29
Minimum temperature (°C)	23	24	24	24	24
Total cloud cover (octa)	8	8	8	7	7
Maximum Relative Humidity (%)	95	95	95	95	95
Minimum Relative Humidity (%)	85	85	85	85	85
Wind speed (kmph)	006	006	006	006	006
Wind direction (deg)	270	270	270	270	270

Moderate rainfall is expected in Chalakudy Block for coming days.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Crop stage	Pest/ Disease	Advisories
Paddy	Panicle initiation	Leaf folder/ Stem borer	Due to continuous cloudy condition, there is a chance of leaf folder attack in paddy. Use 2CC trichogramma cards per acre to control leaf folder and stem borer. Cut the cards in to small pieces and fix in different parts of the field in plastic cups. If the attack is severe, spray chlorantraniliprole 3ml per 10 litre of water.
Banana	Bunch emergence stage	Erwinia Rot	Due to continuous rain, there is a chance of Erwinia rot disease in banana. Proper drainage should be ensured. As a precaution, apply lime in the banana basin or bleaching powder in the irrigation channels. To improve the disease resistance, drench the basin with Pseudomonas @ 20g per litre of water. Affected plants can be protected by drenching the basin with 3 g copper oxychloride or 2g copper hydroxide per one litre of water. Spraying can be made more effective by adding 6g of streptomycin in 20 litre of spray solution prepared.
Vegetables (cowpea)	Fruiting stage	Aphids	There is a chance of aphids in cowpea. Apply 2% neem oil garlic emulsion.
Animal Husbandry	Thoroughly wash the udder of the cow and hands of milking person prior to milking. Dip the teats in 1:1000 potassium permanganate solution after milking. (CAADECCS, KVASU, Mannuthy)		