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Block Level Experimental Agromet Advisory Bulletin

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CHALAKUDY BLOCK, THRISSUR DISTRICT

AAS 31/2018(61), Friday

03.08.2018

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 86.6 mm. the maximum temperature ranges from 29.9°C to 30.3°C, minimum temperature ranges from 22.5°C to 23.9°C. Morning relative humidity ranges from 95% to 98% and afternoon relative humidity ranges from 66% to 97%. Wind speed ranges from 0.8 to 2.3 km/h. Bright sunshine hours range from 0.0 to 3.2 hours. Evaporation ranges from 1.7 to 2.8 mm.

CURRENT SYNOPTIC SITUATION: A cyclonic circulation lies over northwest Bay of Bengal and adjoining areas of Gangetic West Bengal and Odisha between 5.8 & 7.6 km above mean sea level.

Heavy Rainfall warning:

Day 4 & 5: Heavy rainfall is most likely to occur at one or two places in Kerala.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	04.08.2018	05.08.2018	06.08.2018	07.08.2018	08.08.2018
Rainfall (mm)	2	4	12	5	15
Maximum temperature (°C)	31	31	31	31	31
Minimum temperature (°C)	23	23	23	23	23
Total cloud cover (octa)	6	6	6	6	6
Maximum Relative Humidity (%)	95	95	95	95	95
Minimum Relative Humidity (%)	70	70	70	70	70
Wind speed (kmph)	006	006	006	006	006
Wind direction (deg)	320	320	320	320	320

There is a chance of light rain in first two days and moderate rain in next three days. If pesticide spraying is needed to the crops, it can be carried out during sunny time.

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)		