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Block Level Experimental Agromet Advisory Bulletin

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CHALAKUDY BLOCK, THRISSUR DISTRICT

AAS 26/2018(51), Tuesday

26.06.2018

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 165.7 mm. the maximum temperature ranges from 27.6°C to 31.4°C, minimum temperature ranges from 22.2°C to 23.2°C. Morning relative humidity ranges from 95% to 99% and afternoon relative humidity ranges from 70% to 98%. Wind speed ranges from 0.6 to 2.8 km/h. Bright sunshine hours range from 0.0 to 5.1 hours. Evaporation ranges from 1.4 to 3.1 mm.

CURRENT SYNOPTIC SITUATION: An off shore trough at mean sea level runs from South Gujarat coast to Kerala coast. A cyclonic circulation lies over southern parts of Bangladesh and neighbourhood between 1.5 and 5.8 km above mean sea level tilting southwestwards with height.

Heavy Rainfall warning: Day 2 to 5: Heavy rainfall is most likely to occur at one or two places in Kerala.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	27.06.2018	28.06.2018	29.06.2018	30.06.2018	01.07.2018
Rainfall (mm)	10	10	24	12	10
Maximum temperature (°C)	31	30	30	30	30
Minimum temperature (°C)	22	22	22	22	22
Total cloud cover (octa)	7	7	8	7	8
Maximum Relative Humidity (%)	90	90	90	90	90
Minimum Relative Humidity (%)	80	80	80	80	80
Wind speed (kmph)	015	015	015	015	015
Wind direction (deg)	250	250	250	250	250

Below Normal rainfall is expected in Kerala for the coming week.

Moderate rainfall is expected in Chalakudy block for next five days.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Crop stage	Pest/ Disease	Advisories
Coconut	-	Red palm weevil	Coconut palms are seen affected by red palm weevil. Apply imidacloprid (neonicotinoid) 1 ml/10 litre at spindle leaf area.
Banana	Bunch emergence stage	Erwinia Rot	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 5 g bleaching powder or 3 g copper oxychloride or 2g copper hydroxide per one litre of water. Severely affected plants should be cut and removed to prevent the spread of disease.
Vegetables (cowpea)	-	Fusarium wilt	Due to continuous rainfall and water logging, there is a chance of fusarium wilt in cowpea. Drain the field properly and drench the soil rhizosphere with 2 g of bavistin or 2 ml of contaf per one litre of water alternatively within 15 days interval to control the disease. Severely affected plants should be removed and destroyed from the field and apply a pinch of bleaching powder in the pit.
Animal Husbandry	Avoid grazing of the animals in waterlogged areas. Farmers should be aware of leptospirosis. Contact nearest veterinary hospital for HS and FMD vaccination. (CAADECCS, KVASU, Mannuthy)		