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**Block Level Experimental Agromet Advisory Bulletin**

**(Issued jointly by AMFU Thrissur, India Meteorological Department and Department of Agriculture)**



**CHALAKUDY BLOCK, THRISSUR DISTRICT**

**AAS 29/2018(58), Friday**

**20.07.2018**

**SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:**

The total rainfall received 293.5 mm. the maximum temperature ranges from 27.2°C to 30.5°C, minimum temperature ranges from 20.4°C to 22.5°C. Morning relative humidity ranges from 96% to 98% and afternoon relative humidity ranges from 74% to 95%. Wind speed ranges from 1.0 to 2.6 km/h. Bright sunshine hours range from 0.0 to 1.1 hours. Evaporation ranges from 1.5 to 3.4 mm.

**CURRENT SYNOPTIC SITUATION:** A well marked low pressure area lies over Northwest Bay of Bengal and adjoining West Bengal and Odisha Coasts with associated upper air cyclonic circulation extending upto 7.6km above mean sea level tilting southwestwards with height. A feeble Offshore trough at mean sea level runs from Maharashtra coast to North Kerala coast.

**Heavy Rainfall warning:**

**Day 1& 2:** Heavy rainfall is most likely to occur at one or two places in Kerala.

**Day 3 to 5:** Heavy to very heavy rainfall is most likely to occur at one or two places in Kerala.

**WEATHER FORECAST FOR THE NEXT FIVE DAYS:**

Weather parameters	21.07.2018	22.07.2018	23.07.2018	24.07.2018	25.07.2018
Rainfall (mm)	40	38	40	40	36
Maximum temperature (°C )	28	29	30	30	30
Minimum temperature (°C )	22	23	23	23	23
Total cloud cover (octa)	7	7	7	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

**Normal rainfall is expected in Kerala for the coming week**

**Moderate rainfall is expected in Chalakudy Block for coming days.**

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	Crop stage	Pest/ Disease	Advisories
Coconut	-	Bud rot	Bud rot disease is seen in coconut palm due to continuous rainfall. Small perforated sachets containing 2 g of mancozeb may be tied to the top of leaf axil. When it rains, a small quantity of the fungicide is released from the sachets to the leaf base thus protecting the palm.
Banana	Bunch emergence stage	Sigatoka disease	Due to the pre monsoon showers, there is a chance of Sigatoka disease in banana. As a precaution, Spray Pseudomonas 20g/litre. In case of severe attack spray 1 gm Bavistin by mixing it with gum in 1 litre of water on lower surface of leaf.
Vegetables (cowpea)	Flowering/Fruiting stage	Downy mildew	There is a chance of downy mildew attack in vegetables due to the south west monsoon. Application of 0.2% curzate M-8 or 0.1% Equation pro or Trichoderma 20g/litre under the leaves in 15 days interval is effective.
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)		