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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 52/2019(103), Tuesday

24.12.2019

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

The total rainfall received 0.0 mm. The maximum temperature ranges from 31.2°C to 32.9°C, minimum temperature ranges from 21.7°C to 23.3°C. Morning relative humidity ranges from 61 % to 78% and afternoon relative humidity ranges from 48% to 57%. Wind speed ranges from 6.2 to 13.9 km/h. Bright sunshine hours range from 3.0 to 9.5 hours. Evaporation ranges from 4.6 to 6.3 mm.

**CURRENT SYNOPTIC SITUATION:** The Low Pressure Area lay over southwest Arabian Sea and adjoining southeast Arabian Sea along with the associated cyclonic circulation extending upto midtropospheric level. A trough in easterlies runs from Comorin area to south Tamilnadu and extends upto 2.1km above mean sea level.

**Thunderstorm Warning:**

**DAY 1 & Day 2:** Thunderstorm accompanied with lightning is very likely to occur at isolated places over Kerala.

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

Weather parameters	25.12.2019	26.12.2019	27.12.2019	28.12.2019	29.12.2019
Rainfall (mm)	0	0	0	0	0
Maximum temperature(°C )	32	32	32	32	32
Minimum temperature (°C )	21	21	21	21	21
Maximum Relative Humidity (%)	70	70	70	70	70
Minimum Relative Humidity (%)	50	50	50	50	50
Wind speed (kmph)	6	6	8	11	10
Wind direction (deg)	70	110	70	70	90
Total cloud cover (octa)	4	3	3	3	4

**As per the forecast of IMD & KAU, due to no rainfall and prevailing dry weather conditions, irrigation of crops to be continued in the district.**

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	Pest/ Disease	Advisories
<b>General Advisories:</b> As a precaution, use bio-pesticides to control the crop pests and diseases.		
Rice (Mundakan) Panicle initiation	Thrips	There is a chance of thrips in paddy. Apply 3 ml imidacloprid per 10 litre of water to control them.
	Bacterial Leaf blight	To control the spread of bacterial leaf blight in paddy, spray 6 g of streptocycline in 30 litre of water.
Banana	Rhizome Weevil	There is a chance of Rhizome Weevil attack in banana. As a precaution, apply neemcake @ 1 kg/plant at the time of planting. Cut and remove the outer layer of the rhizome and sundry for 3-4 days after smearing it with slurry of cow dung and ash.
Vegetables (cowpea)	Fusarium wilt	There is a chance of fusarium wilt in cowpea. 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.
Chilli	White fly	There is a chance of white fly attack in chilli. Apply 2% neem oil garlic emulsion or spray 20g <i>Lecanicillium lecanii</i> per one litre of water in ten days intervals.
Animal Husbandry		Assure increased ventilation in the shed. (CAADECCS, KVASU, Mannuthy)