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**Agromet Advisory Service Bulletin**

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**THRISSUR DISTRICT**

**AAS 29/2019(58), Friday**

**19.07.2019**

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

The total rainfall received 81.9 mm. The maximum temperature ranges from 30.4°C to 32.3°C, minimum temperature ranges from 21.6°C to 22.5°C. Morning relative humidity ranges from 92% to 98% and afternoon relative humidity ranges from 65% to 80%. Wind speed ranges from 1.1 to 2.4 km/h. Bright sunshine hours range from 0.5 to 7.1 hours. Evaporation ranges from 1.7 to 3.0 mm.

**CURRENT SYNOPTIC SITUATION:**

A feeble off shore trough at mean sea level runs from Karnataka to Kerala coast.

A cyclonic circulation lies over East central Arabian sea off Maharashtra coast between 3.1 & 3.6 km above mean sea level.

An East West shear zone runs roughly along Lat 15° N between 4.5 & 5.8 km above mean sea level.

A cyclonic circulation lies over West central and adjoining North west Bay of Bengal and North Andhra Pradesh – south Odisha coast extending upto 5.8 km above mean sea level tilting southwestwards with height.

A cyclonic circulation lies over North Kerala & neighbourhood at 7.6 Km above mean sea level.

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

Weather parameters	20.07.2019	21.07.2019	22.07.2019	23.07.2019	24.07.2019
Rainfall (mm)	60	40	20	25	20
Maximum temperature (°C)	29	29	29	29	29
Minimum temperature (°C)	22	22	22	22	22
Maximum Relative Humidity (%)	98	98	98	98	98
Minimum Relative Humidity (%)	80	80	80	80	80
Wind speed (kmph)	14	12	10	10	8
Wind direction (deg)	290	290	290	270	340
Total cloud cover (octa)	8	8	7	8	7

**Moderate rainfall in the district and Extremely heavy rainfall in isolated places are forecasted by IMD & KAU.**

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	Stage	Pest/ Disease	Advisories
<b>General Advisories:</b> Proper support should be provided to banana crop to protect it from mechanical damage due to heavy rainfall. Proper drainage facilities should be ensured to protect the crops especially Virippu paddy, coconut seedlings and vegetables from damage due to heavy rainfall as well as from susceptible pest & diseases during this rainy period.			
Rice (Virippu)	Tillering stage	Leaf folder	Since cloudy weather is prevailed, there is a chance of Leaf folder attack in Virippu Paddy. It can be controlled by using trichogramma cards (2CC per one acre). Cut the cards in to small pieces and fix in different regions of the field. If the attack is severe, spray quinalphos @ 2ml per one liter of water.
Coconut		Bud rot	There is a chance of bud rot in rainy season. Keep three numbers each of perforated Mancozeb sachets (5 gm) around spindle leaves as a prophylactic measure against bud rot.
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.
Animal Husbandry		Keep the cattle shed and premises clean to avoid mosquito breeding. (CAADECCS, KVASU, Mannuthy)	