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**Agromet Advisory Service Bulletin**

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**CHALAKUDY BLOCK, THRISSUR DISTRICT**

AAS 38/2019(75), Tuesday

17.09.2019

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

The total rainfall received 75.2 mm. The maximum temperature ranges from 30.4°C to 32.1°C, minimum temperature ranges from 20.9°C to 23.3°C. Morning relative humidity ranges from 93 % to 98% and afternoon relative humidity ranges from 66% to 90%. Wind speed ranges from 0.9 to 1.8 km/h. Bright sunshine hours range from 0.8 to 6.8 hours. Evaporation ranges from 1.8 to 3.2 mm.

**CURRENT SYNOPTIC SITUATION:** The Low pressure area over north Madhya Pradesh & adjoining south Uttar Pradesh has become less marked. However the associated cyclonic circulation extending upto 3.1 km above mean sea level lies over east Madhya Pradesh and neighbourhood. A cyclonic circulation lies over West central Bay of Bengal off Andhra Pradesh coast extending upto 7.6 km above mean sea level tilting southwestwards with height. A trough runs from the cyclonic circulation over West-Central Bay of Bengal to Northwest Madhya Pradesh across the cyclonic circulation over east Madhya Pradesh and extends upto 3.1 km above mean sea level.

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

Weather parameters	18.09.2019	19.09.2019	20.09.2019	21.09.2019	22.09.2019
Rainfall (mm)	2	8	8	9	12
Maximum temperature(°C )	32	32	32	32	32
Minimum temperature (°C )	23	23	23	23	23
Maximum Relative Humidity (%)	91	91	91	91	91
Minimum Relative Humidity (%)	72	72	72	72	72
Wind speed (kmph)	10	8	8	6	10
Wind direction (deg)	270	250	250	230	250
Total cloud cover (octa)	5	7	7	7	8

**According to the forecast of IMD & KAU, as per the current situation, there is a chance of light rainfall in coming days in Chalakkudy Block.**

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	Pest/ Disease	Advisories
<b>General Advisories:</b> Proper drainage facilities should be ensured to protect the agricultural crops from crop damage as well as pest & diseases during rainy season.		
Rice( <i>Virippu</i> ) Milky stage	Bacterial Leaf blight	To control the spread of Bacterial Leaf blight in paddy, during rainy season, mix 20 g of cow dung in one litre of water and spray the cow dung slurry by mixing with 20g of pseudomonas in one litre of water.
Coconut	Bud rot disease	There is a chance of bud rot in rainy season. Keep three numbers each of perforated Mancozeb sachets (5 gm per packet) around spindle leaves as a prophylactic measure against bud rot.
Nutmeg	Fruit rot & leaf fall	During rainy season, there is a chance of Fruit rot and leaf fall in Nutmeg. As a prophylactic measure, apply <i>Trichoderma</i> mixture. Add 2 kg <i>Trichoderma</i> to a mixture of 90 kg FYM and 10 kg Neemcake and kept for two weeks with sufficient moisture. Basal application of 2.5 kg of this mixture will be followed by foliar spray with pseudomonas (20g/litre) or 1% Bordeaux mixture. Lime can be applied to reduce soil acidity.
Banana	Sigatoka disease	Due to monsoon showers, there is a chance of Sigatoka disease in banana. As a precaution, spray Pseudomonas 20g/litre. In case of severe attack, spray 2 ml hexaconazole or 1 ml propiconazole per one litre of water by mixing it with a sticker and spray on both the surface of the leaf.
Animal Husbandry		Avoid water logging in the premises of cattle shed. Take measures for avoid housefly and mosquito breeding. (CAADECCS, KVASU Mannuthy)