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Block Level Experimental Agromet Advisory Bulletin

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CHALAKUDY BLOCK, THRISSUR DISTRICT

35/2019(70), Friday

30.08.2019

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 152.4 mm. The maximum temperature ranges from 28.7°C to 30.3°C, minimum temperature ranges from 20.0°C to 22.0°C. Morning relative humidity ranges from 91 % to 99% and afternoon relative humidity ranges from 66% to 95%. Wind speed ranges from 0.7 to 2.2 km/h. Bright sunshine hours range from 0.3 to 3.0 hours. Evaporation ranges from 1.5 to 2.7 mm.

CURRENT SYNOPTIC SITUATION: A Low Pressure Area lies over north-east Madhya Pradesh & adjoining south Uttar Pradesh with associated cyclonic circulation extending upto 3.1 km above mean sea level tilting southwestwards with height. The cyclonic circulation lies over Westcentral & adjoining Northwest Bay of Bengal off Odisha coast extending between 1.5 & 4.5 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	31.08.2019	01.09.2019	02.09.2019	03.09.2019	04.09.2019
Rainfall (mm)	18	15	12	20	15
Maximum temperature(°C)	30	30	30	30	30
Minimum temperature (°C)	21	21	21	21	21
Maximum Relative Humidity (%)	98	98	98	98	98
Minimum Relative Humidity (%)	82	82	82	82	82
Wind speed (kmph)	10	12	10	6	10
Wind direction (deg)	250	250	270	270	290
Total cloud cover (octa)	8	7	6	8	7

According to the forecast of IMD & KAU, as per the current situation, moderate rainfall is expected in coming days in the district.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Proper drainage facilities should be ensured to protect the agricultural crops from pest & diseases during this rainy season.		
Rice(<i>Virippu</i>) Panicle 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.
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.
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.
Cucurbiatacious Vegetables	Downy mildew disease	There is a chance of downy mildew attack in vegetables due to rainy season. Application of 2gm, curzate M-8 or <i>Trichoderma</i> 20g/litre under the leaves in 15 days interval is effective to control downy mildew disease.
Animal Husbandry		Care should be taken to avoid mould growth in the feed (CAADECCS, KVASU Mannuthy)