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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

AAS 32/2019(64), Friday

09.08.2019

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 202.5 mm. The maximum temperature ranges from 27.8°C to 32.0°C, minimum temperature ranges from 20.8°C to 24.0°C. Morning relative humidity ranges from 90 % to 99% and afternoon relative humidity ranges from 75% to 99%. Wind speed ranges from 1.0 to 3.7 km/h. Bright sunshine hours range from 0.0 to 2.0 hours. Evaporation ranges from 0.9 to 3.2 mm.

CURRENT SYNOPTIC SITUATION: The Depression over central parts of Madhya Pradesh lay centred at 0830 hours IST of 09th August, 2019, near Latitude 23.8°N and Longitude 77.3°E over West Madhya Pradesh. An off shore trough runs from south Maharashtra coast to Kerala coast. A trough from southwest Rajasthan runs to Jharkhand across the cyclonic circulation associated with the Depression over central parts of Madhya Pradesh and north Chhattisgarh tilting southwards with height between 3.1km & 5.8 km above mean sea level. A fresh low pressure area is likely to form over northwest Bay of Bengal & neighbourhood around 12th August.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	10.08.2019	11.08.2019	12.08.2019	13.08.2019	14.08.2019
Rainfall (mm)	50	25	20	25	30
Maximum temperature(°C)	27	27	27	27	27
Minimum temperature (°C)	21	21	21	21	21
Maximum Relative Humidity (%)	98	98	98	98	98
Minimum Relative Humidity (%)	90	90	90	90	90
Wind speed (kmph)	7	3	6	9	12
Wind direction (deg)	320	320	320	270	320
Total cloud cover (octa)	8	8	8	7	8

As per the forecast of IMD & KAU, according to the current situation, the rainfall intensity in the district may decrease in the coming three days.

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 initiation	Leaf folder & Stem borer	As a prophylactic measure, apply 2CC <i>Trichogramma chilonis</i> card per acre to control leaf folder and 2CC <i>Trichogramma japonicum</i> card per acre to control stem borer in paddy. Cut the cards in to small pieces and fix in different parts of the field in plastic cups. If the attack is severe, spray 3ml chlorantraniliprole per 10 litre of water.
Banana - Bunching stage	Pseudostem weevil	During the rainy season, if infestation of pseudostem weevil is noticed, spray 2.5 ml of chlorpyrifos or 2 ml of quinalphos mixing with gum per one litre of water in leaf axils and by inserting the nozzle through the boreholes made by the larvae.
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.
Vegetables	Green leaf hopper	There is a chance of green leaf hopper attack in Bhindi. Spray 2 g Thiamethoxam per 10 litre of water.
Animal Husbandry		Care should be taken to avoid mould growth in the feed (CAADECCS, KVASU Mannuthy)