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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

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SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 192.8 mm. The maximum temperature ranges from 29.0°C to 31.7°C, minimum temperature ranges from 20.2°C to 22.6°C. Morning relative humidity ranges from 96% to 98% and afternoon relative humidity ranges from 66% to 87%. Wind speed ranges from 1.2 to 2.7 km/h. Bright sunshine hours range from 0.5 to 5.8 hours. Evaporation ranges from 1.4 to 2.7 mm.

CURRENT SYNOPTIC SITUATION: A Well Marked Low Pressure Area lies over Eastcentral Arabian Sea off north Maharashtra coast with associated cyclonic circulation extending upto midtropospheric levels. A trough runs from Westcentral Bay of Bengal to Eastcentral Arabian Sea roughly along Lat. 18°N across Coastal Andhra Pradesh, Telangana, cyclonic circulation associated with the Well Marked Low Pressure Area over Eastcentral Arabian Sea off north Maharashtra coast between 1.5 & 2.1 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	17.10.2020	18.10.2020	19.10.2020	20.10.2020	21.10.2020
Rainfall (mm)	10	10	5	2	2
Maximum temperature(°C)	31	32	32	32	32
Minimum temperature (°C)	22	22	22	22	22
Maximum Relative Humidity (%)	93	93	93	93	93
Minimum Relative Humidity (%)	80	80	80	80	80
Wind speed (kmph)	8	6	8	8	6
Wind direction (deg)	250	230	250	250	270
Total cloud cover (octa)	8	7	8	6	7

As per the forecast of IMD & KAU, there is a chance of decrease in rainfall in the district.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Spraying and fertilizer application should be done during clear weather condition. While drying agricultural products, precaution should be taken.		
Rice (Mundakan)	Land preparation to transplanting	Land preparation and nursery preparation for second paddy (mundakan) crop can be started. As a prophylactic measure, the root of seedlings can be soaked for 30 minutes in a solution of <i>pseudomonas</i> culture to control sheath blight, sheath rot, leaf spot disease etc. Before transplanting, spray 20 gram <i>Pseudomonas</i> in one litre of water. The micronutrient deficiency of paddy can be managed during rainy season, by spraying 5 gram of paddy sampoorina in one litre of water.
	Rice case worm	During rainy season, there is a chance of rice case worm in paddy field. To control this 25 kg sawdust or rice husk ash mixed with one litre kerosene (for 1 acre) can be spread after draining the field.
Banana	Planting time	The suckers are to be smeared with cowdung solution & ash, then they are dried in the sun for about 3 to 4 days before planting.
Pepper	Quick wilt	Due to high relative humidity, there is a chance of quick wilt disease in Pepper. As a preventive measure, drench the basin of each plant with 3 gram Copper Oxy Chloride (COC) per one litre of water.
Nutmeg	Leaf fall	As a precautionary measure to manage leaf falling in nutmeg, spray 1% bordeaux mixture.
Vegetables (Bittergourd)	Downy mildew	Due to high relative humidity, there is a chance of downy mildew attack in bitter gourd. As a prophylactic measure, spray <i>pseudomonas</i> solution (20 g per one litre) under the leaves.
Animal Husbandry		Ensure the availability of green fodder to the animal daily. Provide mineral and vitamin mixture in prescribed quantity daily.