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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 36.0 mm. The maximum temperature ranges from 29.0°C to 32.4°C, minimum temperature ranges from 20.2°C to 22.5°C. Morning relative humidity ranges from 87% to 98% and afternoon relative humidity ranges from 60% to 90%. Wind speed ranges from 1.2 to 1.9 km/h. Bright sunshine hours range from 0.3 to 9.6 hours. Evaporation ranges from 2.0 to 4.1 mm.

CURRENT SYNOPTIC SITUATION: A cyclonic circulation lies over south coastal Odisha and neighbourhood extending upto 5.8 km above mean sea level tilting southwestwards with height. A trough from the above cyclonic circulation to north Maharashtra coast runs upto south Gujarat region across Vidarbha and north Madhya Maharashtra at 3.1 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	07.10.2020	08.10.2020	09.10.2020	10.10.2020	11.10.2020
Rainfall (mm)	15	20	4	10	10
Maximum temperature(°C)	31	31	31	31	31
Minimum temperature (°C)	22	22	22	22	22
Maximum Relative Humidity (%)	93	93	93	93	93
Minimum Relative Humidity (%)	72	72	72	72	72
Wind speed (kmph)	8	8	10	8	8
Wind direction (deg)	250	270	270	270	250
Total cloud cover (octa)	8	8	7	8	8

As per the forecast of IMD & KAU, there is a chance of light rainfall in the district and moderate rainfall in isolated places.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Since low rainfall is expected, pesticide and fertilizer application can be carried out.		
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 pseudomonas culture to control sheath blight, sheath rot, leaf spot disease etc. Before transplanting, spray 20 gram Pseudomonas in one litre of water. The micronutrient deficiency of paddy can be managed during rainy season, by spraying 5 gram of paddy sampoorana in one litre of water.
Banana	Planting time	The rhizomes are to be smeared with cowdung solution & ash then they are dried in the sun for about 3 to 4 days before planting.
Nutmeg	Anthracnose disease	During rainy season, there is a chance of Anthracnose disease 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.
Vegetables (Cowpea)	Fruit borer	Apply 5 % Neem kernel extract to control fruit borer of cowpea during initial stage.
Animal Husbandry	Ensure the availability of green fodder to the animal daily. Provide mineral and vitamin mixture in prescribed quantity daily.	