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Agromet Advisory Service Bulletin

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CHALAKKUDY BLOCK- THRISSUR DISTRICT

AAS 20/2020, (39) Tuesday

12.05.2020

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 0.0 mm. The maximum temperature ranges from 33.9°C to 37.7°C, minimum temperature ranges from 24.1°C to 26.2°C. Morning relative humidity ranges from 77% to 92% and afternoon relative humidity ranges from 51% to 70%. Wind speed ranges from 1.9 to 2.6 km/h. Bright sunshine hours range from 2.1 to 9.0 hours. Evaporation ranges from 3.4 to 5.2 mm.

CURRENT SYNOPTIC SITUATION: A cyclonic circulation lies over Comorin area & neighbourhood extending upto 1.5 km above mean sea level. A trough/wind discontinuity runs from West Madhya Pradesh to interior Karnataka across Vidarbha, Marathawada and North Interior Karnataka and extending upto 0.9 km above mean sea level. A cyclonic circulation lies over south Andaman Sea & neighbourhood extending upto mid-tropospheric levels.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	13.05.2020	14.05.2020	15.05.2020	16.05.2020	17.05.2020
Rainfall (mm)	6	3	11	12	5
Maximum temperature(°C)	36	36	36	36	36
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	86	86	86	86	86
Minimum Relative Humidity (%)	70	70	70	70	70
Wind speed (kmph)	12	10	10	10	8
Wind direction (deg)	250	270	270	290	270
Total cloud cover (octa)	7	7	7	8	7

As per the forecast of IMD & KAU, there is a chance of moderate rainfall in isolated places of the district. Dried hay, copra, arecanut, etc should be protected from summer rain. Mulching can be practiced to conserve soil moisture.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: As a precaution, use bio-pesticides to control the crop pests and diseases.		
Coconut	Rhinoceros beetle	After thorough cleaning of the crown region, apply 250 g neem cake mixed with equal volume of fine sand (250g) in the inner most 2-3 leaf axils surrounding the spindle leaf. This application has to be repeated thrice a year. (January, May and September/ October) for better results. Or naphthalene balls 12 g (approx. 4 nos) can be put in the innermost 2 leaf axils adjacent to spindle leaf and covered with fine sand, once in 45 days. Or spray <i>Metarrhizium anisopilae</i> (250 ml metarrhizium culture + 750 ml water) in manure pits.
Banana	Pseudo stem weevil	There is a chance of pseudo stem weevil attack in banana. As a precaution, apply 50 g neem cake powder in leaf axils.
Nutmeg	Leaf fall	There is a chance of leaf falling in nutmeg. As a precaution spray 1% bordeaux mixture.
Ginger/Turmeric	-	Prepare land for ginger and turmeric. To avoid foot rot in ginger, sock the suckers in 0.3% mancozeb/ pseudomonas solution for 30 minutes.
Vegetables	-	Addition of pseudomonas culture to the soil at the time of planting of vegetables will help to reduce fungal diseases.