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**Agromet Advisory Service Bulletin**

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**THRISSUR DISTRICT**

**AAS 42/2021, (83) Tuesday**

**12.10.2021**

**SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:**

The total rainfall received 113.7 mm. The maximum temperature ranges from 29.0 °C to 33.0 °C, minimum temperature ranges from 22.1 °C to 24.5 °C. Morning relative humidity ranges from 92% to 98% and afternoon relative humidity ranges from 71% to 91%. Wind speed ranges from 0.9 to 2.7 km/h. Bright sunshine hours range from 0.3 to 8.1 hours. Evaporation ranges from 1.3 to 2.8 mm.

**CURRENT SYNOPTIC SITUATION:** A cyclonic circulation lies over north Andaman Sea & neighbourhood extending upto 4.5 km above mean sea level. A cyclonic circulation lies over Eastcentral Arabian Sea extending upto 4.5 km above mean sea level tilting southwestwards with height. An Eastwest Trough runs from cyclonic circulation over north Andaman sea & neighbourhood to cyclonic circulation over eastcentral Arabian Sea across south Coastal Andhra Pradesh, South Interior Karnataka and Coastal Karnataka between 1.5 & 4.5 km above mean sea level. A cyclonic circulation lies over north interior Tamilnadu & neighbourhood at 5.8 km above mean sea level.

**Heavy Rainfall Warning:** Day 1, Day 2, Day 3, Day 4 and Day 5: **Heavy rainfall** (7- 11 cm in 24 hours) to **Very Heavy rainfall** (12- 20 cm in 24 hours) is very likely to occur at isolated places in the districts of Ernakulam, Idukki, Thrissur, Palakkad, Malappuram, Kozhikode, Wayanad, Kannur & Kasaragod.

**WEATHER FORECAST FOR THE NEXT FIVE DAYS:**

Weather parameters	13.10.2021	14.10.2021	15.10.2021	16.10.2021	17.10.2021
Rainfall (mm)	45	40	40	20	20
Maximum temperature(°C )	30	30	30	30	30
Minimum temperature (°C )	23	24	24	23	23
Maximum Relative Humidity (%)	99	99	99	99	99
Minimum Relative Humidity (%)	80	80	80	80	80
Wind speed (kmph)	4	2	8	8	10
Wind direction (deg)	250	230	230	200	250
Total cloud cover (octa)	8	8	8	8	8

As per the forecast of IMD & KAU, there is a chance of moderate rainfall in the district and heavy or very heavy rainfall in isolated places. Above normal rainfall is expected in Kerala.

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	Pest/ Disease	Advisories
<b>General Advisories:</b> Proper drainage facilities have to be ensured. Pesticides can be applied only during dry period.		
Rice (Mundakan Seedling stage)	Leaf folder	There is a chance of Leaf folder attack in <i>Mundakan</i> Paddy. It can be controlled by using <i>trichogramma</i> cards (2CC per one acre). Cut the cards in to small pieces and fix in different regions of the field. If the attack is severe, spray quinalphos @ 2ml per one liter 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.
Coconut	Management	Second dose of fertilizers can be applied (500g urea, 800g musoriphos/rock phosphate, 1 Kg potash); lime (1 Kg) can also be applied 7-10 days prior to the application of fertilizers if it was not given prior to the first dose. 500g Magnesium sulphate can also be given to prevent yellowing. Boron deficiency can be rectified by applying 50g borax for each palm.
Turmeric	Leaf Blotch (Taphrina maculans)	Due to high relative humidity, there is a chance of diseases. Remove and destroying disease affected plants. As a prophylactic measure, spray 2ml hexaconazole (Contaf) or 1 ml Propiconazole (Tilt) or 2 gram SAAF or 2.5 g copper oxychloride (Blitox or Blue copper) or 2 g copper hydroxide dissolved in one litre of water. Otherwise 1% Bordeaux mixture can be sprayed. Spraying can be continued at fortnightly intervals depending upon the intensity of the disease.
Ginger	Phyllosticta leaf spot	
	Rhizome rot	During rainy season, apply mixture of 15 gram bleaching powder and 250 gram lime in to the basin of three meter square bed to avoid the spreading of rhizome rot in ginger.
Cucurbitaceous Vegetables	Downy mildew	Due to high relative humidity, there is a chance of downy mildew attack in cucurbitaceous vegetables. Spray 2.5gm Mancozeb per one litre of water under the leaves.
Animal Husbandry	Sun dry the cattle feed frequently to avoid fungal growth. Take precautions to avoid ecto parasitic infestation (caadeccs, kvasu, Mannuthy).	