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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

AAS 43/2021, (85)Monday

18.10.2021

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 200.4 mm. The maximum temperature ranges from 25.7 °C to 31.8 °C, minimum temperature ranges from 22.6 °C to 24.3 °C. Morning relative humidity ranges from 90% to 98% and afternoon relative humidity ranges from 72% to 99%. Wind speed ranges from 0.5 to 3.4 km/h. Bright sunshine hours range from 0.0 to 6.7 hours. Evaporation ranges from 1.0 to 2.4 mm.

CURRENT SYNOPTIC SITUATION: The Low Pressure Area over south Madhya Pradesh & adjoining Vidarbha towards morning of today now lies over southwest Madhya Pradesh & neighbourhood with associated cyclonic circulation extending upto 4.5 km above mean sea level. Under the influence of cyclonic circulation over Gangetic West Bengal & neighbourhood, a Low Pressure Area has formed over West Bengal & adjoining north Odisha with associated cyclonic circulation extending upto 5.8 km above mean sea level.

Heavy Rainfall Warning: Day 3, Day 4 and Day 5: **Heavy** (7- 11 cm in 24 hours) rainfall is very likely to occur at isolated places in the districts of Thiruvananthapuram, Kollam, Pathanamthitta, Kottayam, Ernakulam, Idukki, Thrissur, Palakkad, Malappuram, Kozhikode & Wayanad..

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	19.10.2021	20.10.2021	21.10.2021	22.10.2021	23.10.2021
Rainfall (mm)	10	20	70	20	70
Maximum temperature(°C)	30	31	32	32	32
Minimum temperature (°C)	25	25	26	26	26
Maximum Relative Humidity (%)	93	93	93	93	93
Minimum Relative Humidity (%)	78	78	78	78	78
Wind speed (kmph)	4	6	4	4	4
Wind direction (deg)	250	270	290	270	230
Total cloud cover (octa)	6	6	8	7	8

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

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Since northeast monsoon is prevailing, provide sufficient drainage facilities in agricultural lands. Give propping for banana and pandals for vegetables.		
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	Bud rot	To control the Bud rot in coconut, chisel out the affected area and apply 10% Bordeaux paste. Care should be taken to protect the affected area from heavy rain.
Turmeric	Leaf Blotch (<i>Taphrina maculans</i>)	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	
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	Sundry the cattle feed frequently to avoid fungal growth. Take precautions to avoid ecto parasitic infestation (caadeccs, kvasu, Mannuthy).	