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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

AAS 40/2021, (79) Tuesday

28.09.2021

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 12.7 mm. The maximum temperature ranges from 32.3 °C to 33.7 °C, minimum temperature ranges from 23.5 °C to 24.8 °C. Morning relative humidity ranges from 90% to 98% and afternoon relative humidity ranges from 53% to 67%. Wind speed ranges from 1.4 to 2.4 km/h. Bright sunshine hours range from 4.4 to 9.8 hours. Evaporation ranges from 3.0 to 4.0 mm.

CURRENT SYNOPTIC SITUATION: The Depression over Telangana and adjoining areas of Marathwada & Vidarbha moved west-northwestwards and lay centered at 0830 hrs IST of today the 28th September 2021 over southwest Vidarbha & neighbourhood near Lat. 19.4°N and Long. 77.3°E, about 60 km eastnortheast of Parbhani and 250 km southwest of Nagpur. Under the influence of the cyclonic circulation over Northeast & adjoining Eastcentral Bay of Bengal, a Low Pressure Area has formed over Northwest Bay of Bengal & adjoining coastal areas of West Bengal with associated cyclonic circulation extending upto mid-tropospheric levels. An eastwest trough runs from north Konkan to cyclonic circulation associated with the Depression over southwest Vidarbha & neighbourhood to north Coastal Andhra Pradesh between 1.5 & 5.8 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	29.09.2021	30.09.2021	01.10.2021	02.10.2021	03.10.2021
Rainfall (mm)	20	10	8	10	20
Maximum temperature(°C)	28	30	32	32	32
Minimum temperature (°C)	25	25	25	23	23
Maximum Relative Humidity (%)	96	96	96	96	96
Minimum Relative Humidity (%)	74	74	74	74	74
Wind speed (kmph)	8	4	4	6	4
Wind direction (deg)	250	270	270	270	250
Total cloud cover (octa)	8	7	7	7	8

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

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Pesticides can be applied only during dry period.		
Rice(Virippu)	Harvesting stage	First paddy crop (Virippu) is in Harvesting stage.
Rice (Mundakan)	Land preparation	Land preparations for mundakan paddy can be started in kole paddy field, apply lime during nursery preparation. Seed treatment with <i>pseudomonas</i> can be done before sowing. (10 gram of <i>pseudomonas</i> for one kg of paddy seeds.)
	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.
Arecanut	Mahali	Keep the field clean. Destroy completely affected trees. As a prophylactic measure, spray 1% Bordeaux mixture or two gram Copper oxychloride with stickers at 40-45 days interval.
Turmeric	Leaf Blotch (Taphrina maculans)	As a prophylactic measure, spray 2ml hexaconazole (Contaf) or 1 ml Propiconazole (Tilt) or 2.5 g copper oxychloride (Blitox or Blue copper) or 2 gram SAAF dissolved in one litre of water. Spraying can be continued at fortnightly intervals depending upon the intensity of the disease.
Ginger	Shoot borer	There is a chance of shoot borer in ginger and turmeric. Spray 20 g <i>Beauveria</i> per one litre of water to control stem borer.
	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.
Animal Husbandry	Sun dry the cattle feed frequently to avoid fungal growth. Take precautions to avoid ecto parasitic infestation. (caadeccs, kvasu, Mannuthy).	