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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

AAS 45/2019(90), Friday

08.11.2019

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 61.0 mm. The maximum temperature ranges from 27.0°C to 34.3°C, minimum temperature ranges from 17.8°C to 22.3°C. Morning relative humidity ranges from 90 % to 97% and afternoon relative humidity ranges from 53% to 72%. Wind speed ranges from 0.8 to 2.3 km/h. Bright sunshine hours range from 0.2 to 10.3 hours. Evaporation ranges from 1.7 to 3.1 mm.

CURRENT SYNOPTIC SITUATION: The Severe Cyclonic Storm 'Bulbul' over westcentral & adjoining eastcentral Bay of Bengal intensified into a very severe cyclonic storm and lay centered at 0530 hours IST near Lat. 16.9°N and Long. 87.6°E. It continued to move north-northwestwards with a speed of 12 kmph during the past 06 hours and lay centred at 0830 hours IST of today, the 08th November, 2019, over westcentral & adjoining eastcentral Bay of Bengal, near Latitude 17.2°N and Longitude 87.6°E, about 350 km south-southeast of Paradip (Odisha), 490 km south-southwest of Sagar Islands (West Bengal) and 590 km south-southwest of Khepupara (Bangladesh). The Well Marked Low Pressure Area over northeast Arabian Sea & adjoining south Gujarat coast has become less marked, however the associated cyclonic circulation extends upto 2.1 km above mean sea level persists over the same region.

A cyclonic circulation lies over Sri Lanka & neighbourhood between 1.5 & 3.1 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	09.11.2019	10.11.2019	11.11.2019	12.11.2019	13.11.2019
Rainfall (mm)	6	10	8	10	8
Maximum temperature(°C)	33	33	33	33	33
Minimum temperature (°C)	23	23	23	23	23
Maximum Relative Humidity (%)	92	92	92	92	92
Minimum Relative Humidity (%)	70	70	70	70	70
Wind speed (kmph)	2	2	2	2	4
Wind direction (deg)	200	160	230	230	200
Total cloud cover (octa)	5	6	5	6	5

Light rainfall is forecasted in the district by IMD & KAU.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: As a precaution, use bio-pesticides to control the crop pests and diseases.		
Rice (Mundakan) Seedling stage	Gall midge	During rainy season, there is a chance of gall midge attack in mundakan paddy. As a prophylactic measure, root of the seedlings are dipped in 0.02% chlorpyrifos suspension for 12 hours prior to planting.
	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.
Banana	-	To control leaf curling in banana, due to calcium deficiency, apply 250g lime per banana plant.
Vegetables (cowpea)	Fusarium wilt	Due to continuous rainfall and water logging, there is a chance of fusarium wilt in cowpea. Drain the field properly and drench the soil rhizosphere with 2 g of bavistin or 2 ml of contaf per one litre of water alternatively within 15 days interval to control the disease. Severely affected plants should be removed and destroyed from the field and apply a pinch of bleaching powder in the pit.
Animal Husbandry		Animal should not be allowed to graze in open grazing lands to avoid lightening risk. (CAADECCS, KVASU Mannuthy)