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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

AAS 18/2019(35), Tuesday

30.04.2019

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 19.0 mm. The maximum temperature ranges from 34.7°C to 36.6°C, minimum temperature ranges from 22.4°C to 26.6°C. Morning relative humidity ranges from 86 % to 98% and afternoon relative humidity ranges from 45% to 64%. Wind speed ranges from 1.3 to 3.1 km/h. Bright sunshine hours range from 5.1 to 9.8 hours. Evaporation ranges from 3.7 to 4.9 mm.

CURRENT SYNOPTIC SITUATION: The severe cyclonic storm 'FANI' (pronounced as 'FONI') over southeast Bay of Bengal and neighbourhood intensified into a Very Severe Cyclonic Storm lay centred at 0530 hrs. IST of today the 30th April 2019 over southeast & adjoining southwest Bay of Bengal moved northnorthwestwards with a speed of about 23 kmph in last 06 hours and lay centred at 0830 hrs IST of 30th April, 2019 near Lat. 12.3°N and Long. 86.2°E over southeast & adjoining southwest Bay of Bengal, about 830 Km nearly south of Puri (Odisha) and 670 km southsoutheast of Vishakhapatnam (Andhra Pradesh) and about 680 Km northeast of Trincomalee (Sri Lanka). It is very likely to intensify further into an Extremely Severe Cyclonic Storm during next 12 hours. It is very likely to move northwestwards till 01st May evening and thereafter recurve northnortheastwards and reach Odisha Coast by 3rd May afternoon with maximum sustained wind speed of 170-180 Kmph gusting to 200 Kmph.

Heavy Rainfall Warning: Day 4 & Day 5: Heavy Rainfall (7cm – 11cm in 24 hrs) is most likely to occur at isolated places in Kerala.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	01.05.2019	02.05.2019	03.05.2019	04.05.2019	05.05.2019
Rainfall (mm)	4	1	0	0	0
Maximum temperature (°C)	35	35	35	36	36
Minimum temperature (°C)	26	26	26	26	26
Maximum Relative Humidity (%)	85	85	85	85	85
Minimum Relative Humidity (%)	65	65	65	65	65
Wind speed (kmph)	8	8	12	12	12
Wind direction (deg)	270	270	270	270	270
Total cloud cover (octa)	8	8	6	7	6

Moderate rainfall and high wind speed are forecasted in the district by IMD & KAU.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
Coconut	White fly	The attack of white fly in coconut palm was increased, due to increased atmospheric temperature. To control white fly, spray the mixture of 2% neem oil emulsion with 20 g of biocontrol agent (Lecanicillium) on lower sides of leaves.
Banana	Sigatoka disease	Propping can be followed to reduce the damage due to high wind speed. There is a chance of sigatoka disease in banana. As a precaution, Spray 20 g <i>Pseudomonas</i> per one litre of water.
Vegetables (Bhindi)	Jassid's	The attack of Jassid's in Bhindi was increased, due to increased atmospheric temperature. Apply 2% neem oil garlic emulsion once in a week or by spraying Lecanicillium lecanii at 20 g per litre of water.
Animal Husbandry	Care should be taken to prevent rat breeding in the premises of cattle shed to prevent leptospyrosis. (CAADECCS, KVASU, Mannuthy)	

Preparation of 2% Neem oil – Garlic Emulsion: Slice 50 g bar soap in to thin flakes and dissolve in 500 ml of hot water by agitation. Pour the soap solution to 200 ml of neem oil slowly and stir rigorously. Grind 200 g of garlic by adding 300 ml of water. Filter the garlic extract through a muslin cloth and then add to the prepared neem oil soap emulsion. Dilute this one litre stock solution by adding 9 litre of water to get 10 litres of 2% neem oil – garlic emulsion.