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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

AAS 23/2019(45), Tuesday

04.06.2019

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 10.7 mm. The maximum temperature ranges from 34.2°C to 36.3°C, minimum temperature ranges from 20.7°C to 25.9°C. Morning relative humidity ranges from 86 % to 90% and afternoon relative humidity ranges from 53% to 73%. Wind speed ranges from 1.7 to 3.2 km/h. Bright sunshine hours range from 0.9 to 9.9 hours. Evaporation ranges from 3.6 to 4.5 mm.

CURRENT SYNOPTIC SITUATION: An east-west shear zone at 3.1 km above mean sea level is very likely to develop across extreme south peninsula from tomorrow onwards leading to favourable conditions for onset of southwest monsoon over Kerala subsequently around 8th June. A cyclonic circulation lies over Lakshadweep and neighbourhood at 5.8 km above mean sea level. The cyclonic circulation over southeast Arabian Sea and adjoining Lakshadweep area between 2.1 and 3.1 km above mean sea level has moved away westwards. A trough of low at mean sea level lies over southeast Arabian sea off Kerala--Karnataka coast.

Heavy Rainfall Warning:

Day 4: Heavy rainfall (7- 11 cm in 24 hours) is very likely to occur at isolated places in the districts of Thiruvananthapuram, Kollam and Alappuzha.

Day 5: Heavy rainfall (7- 11 cm in 24 hours) is very likely to occur at isolated places in the districts of Kollam and Alappuzha.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	05.06.2019	06.06.2019	07.06.2019	08.06.2019	09.06.2019
Rainfall (mm)	5	5	5	4	5
Maximum temperature (°C)	32	32	32	32	32
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	90	90	90	90	90
Minimum Relative Humidity (%)	60	60	60	60	60
Wind speed (kmph)	4	8	10	6	10
Wind direction (deg)	230	290	250	250	200
Total cloud cover (octa)	7	8	8	6	8

Moderate rainfall is forecasted in the district by IMD & KAU. Normal rainfall is expected in Kerala for coming days.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
Paddy	Land preparation to transplanting	Transplant seedlings at 4-5 leaf stage. Soak seed for 30 minutes in a solution of <i>Pseudomonas</i> culture @10g/litre per kg of seeds. The above seed treatment can also be used to control sheath blight, sheath rot, leaf spot disease etc.
Coconut	Bud rot	Keep three numbers each of perforated Mancozeb sachets (5 gm) around spindle leaves as a prophylactic measure against bud rot.
Pepper	Foot rot	As a prophylactic measure against the foot rot in pepper and fungal diseases in nutmeg, add 2 kg <i>Trichoderma</i> to a mixture of 90 kg FYM and 10 kg Neemcake and kept for two weeks with sufficient moisture. Basal application of 2.5 kg of this mixture followed by foliar spray with pseudomonas (20g/l) or 1% Bordeaux mixture.
Nutmeg	Fruit rot, leaf fall	
Animal Husbandry	Add disinfectant in the drinking water. (CAADECCS, KVASU, Mannuthy)	