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**Agromet Advisory Service Bulletin**

(Issued jointly by AMFU Thrissur, India Meteorological Department and Department of Agriculture)



**THRISSUR DISTRICT**

**AAS 16/2019(32), Thursday**

**18.04.2019**

**SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:**

The total rainfall received 0.0 mm. the maximum temperature ranges from 36.5°C to 37.9°C, minimum temperature ranges from 25.7°C to 27.3°C. Morning relative humidity ranges from 76 % to 89% and afternoon relative humidity ranges from 47% to 57%. Wind speed ranges from 2.0 to 2.8 km/h. Bright sunshine hours range from 8.0 to 10.0 hours. Evaporation ranges from 4.8 to 5.6 mm.

**CURRENT SYNOPTIC SITUATION:** A trough/wind discontinuity runs from Marathwada to Comorin area across interior Karnataka and interior Tamil Nadu at 0.9km above mean sea level. A trough of low at mean sea level lies over equatorial Indian Ocean and adjoining central parts of south Bay of Bengal. A trough in easterlies extending upto 1.5 above mean sea level lies over Equatorial Indian Ocean & adjoining Comorin area.

**HEAVY RAINFALL WARNING:** Heavy rainfall (7- 11 cm in 24 hours) is most likely to occur at one or two places in Kerala till the morning of 19<sup>th</sup> April 2019.

**WEATHER FORECAST FOR THE NEXT FIVE DAYS:**

Weather parameters	19.04.2019	20.04.2019	21.04.2019	22.04.2019	23.04.2019
Rainfall (mm)	2	2	2	0	0
Maximum temperature (°C)	37	37	37	37	37
Minimum temperature (°C)	24	24	24	24	24
Maximum Relative Humidity (%)	80	80	80	80	80
Minimum Relative Humidity (%)	50	50	50	50	50
Wind speed (kmph)	6	10	4	10	8
Wind direction (deg)	290	250	270	270	180
Total cloud cover (octa)	8	8	8	4	5

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

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	Pest/ Disease	Advisories
Banana	Sigatoka disease	During this special weather condition, there is a chance of sigatoka disease in banana. As a precaution, Spray 20 g <i>Pseudomonas</i> per one litre of water.
Coconut	Management	Since air temperature is increasing, it is a desirable practice to bury fresh or dried coconut husk around the palm to conserve soil moisture. The husk can be buried either in linear trenches taken 3 meter away from the trunk between rows of palms or in circular trenches taken around the palm at a distance of 2 meter from the trunk. The trenches may be of 0.5 meter width and depth. The husks are to be placed in layers with concave surface facing upwards and covered with soil. The beneficial effect of husk burial will last for about 5 to 7 years. Instead of husk, coir pith can be buried @ 25 kg/palm/year.
Vegetables (Bhindi)	Jassid's	Due to increase in atmospheric temperature, the attack of Jassid's in Bhindi was increased. They can be controlled by applying 2% neem oil emulsion once in a week or by spraying <i>Lecanicillium lecanii</i> at 20 g per litre of water.
Animal Husbandry		Assure increased ventilation in the shed. (CAADECCS, KVASU, Mannuthy)