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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

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SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 1.3 mm. The maximum temperature ranges from 32.2°C to 35.3°C, minimum temperature ranges from 23.3°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 1.5 to 2.6 km/h. Bright sunshine hours range from 0.9 to 9.9 hours. Evaporation ranges from 2.4 to 4.2 mm.

CURRENT SYNOPTIC SITUATION : An east-west shear zone runs roughly along Lat. 10o N between 3.1 and 3.6 km above mean sea level across extreme south peninsula. A feeble offshore trough has formed along the west coast and likely to persist there. In association with these favourable conditions Southwest monsoon is very likely to set in over Kerala during next 24 hours. A low pressure area is very likely to form over southeast and adjoining Eastcentral Arabian sea off Kerala-Karnataka coasts around 9th June. It is likely to move North-Northwestwards and intensify gradually.

A feeble offshore trough runs from south Maharashtra coast to Kerala coast.

The cyclonic circulation over North Kerala and neighbourhood now lies over Southeast Arabian sea and adjoining Lakshadweep area off North Kerala coast and extends upto 4.5 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	08.06.2019	09.06.2019	10.06.2019	11.06.2019	12.06.2019
Rainfall (mm)	15	18	25	35	35
Maximum temperature (°C)	35	35	35	35	35
Minimum temperature (°C)	24	24	24	24	24
Maximum Relative Humidity (%)	90	90	90	90	90
Minimum Relative Humidity (%)	65	65	65	65	65
Wind speed (kmph)	8	14	12	14	10
Wind direction (deg)	200	200	180	200	200
Total cloud cover (octa)	6	7	8	8	8

Moderate rainfall is forecasted in the district by IMD & KAU. Above 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.
Nutmeg	Fruit rot, leaf fall	Basal application of 2.5 kg of this mixture followed by foliar spray with pseudomonas (20g/l) or 1% Bordeaux mixture.
Animal Husbandry	Add disinfectant in the drinking water. (CAADECCS, KVASU, Mannuthy)	