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Agromet Advisory Service Bulletin

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THRISSUR DISTRICT

AAS 24/2019(47), Tuesday

11.06.2019

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 52.5 mm. The maximum temperature ranges from 33.4°C to 35.4°C, minimum temperature ranges from 21.8°C to 24.7°C. Morning relative humidity ranges from 79 % to 97% and afternoon relative humidity ranges from 61% to 98%. Wind speed ranges from 1.5 to 3.4 km/h. Bright sunshine hours range from 1.4 to 9.7 hours. Evaporation ranges from 2.4 to 4.1 mm.

CURRENT SYNOPTIC SITUATION:

The cyclonic storm 'Vayu'(pronounced as VAAYU) over east central Arabian sea moved northwards with a speed of about 15kmph in last six hours and lay centred at 0830 hours IST of today, the 11th June, 2019 near Lat. 15.0°N and Long. 70.6°E over Eastcentral Arabian Sea, about 350 km west-southwest of Goa, 510 km south-southwest of Mumbai (Maharashtra) and 650 km nearly south of Veraval (Gujarat). It is very likely to intensify further into a Severe Cyclonic Storm during next 12 hours. It is very likely to move nearly northwards and cross Gujarat coast between Porbandar and Mahuva around Veraval & Diu region as a Severe Cyclonic Storm with wind speed 110-120 kmph gusting to 135 kmph during early morning of 13th June, 2019.

The east-west shear zone roughly along Lat. 12°N between 3.1 & 5.8 km above mean sea level across south Peninsula has become less marked.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	12.06.2019	13.06.2019	14.06.2019	15.06.2019	16.06.2019
Rainfall (mm)	30	30	15	20	15
Maximum temperature (°C)	30	30	30	30	30
Minimum temperature (°C)	23	23	23	23	23
Maximum Relative Humidity (%)	98	98	98	98	98
Minimum Relative Humidity (%)	68	68	68	68	68
Wind speed (kmph)	14	10	10	8	8
Wind direction (deg)	230	230	270	230	270
Total cloud cover (octa)	8	8	5	7	5

Moderate rainfall is forecasted in the district by IMD & KAU. Below 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	There is a chance of bud rot in rainy season. Keep three numbers each of perforated Mancozeb sachets (5 gm) around spindle leaves as a prophylactic measure against bud rot.
Pepper	Foot rot	There is a chance of foot rot disease due to high relative humidity. Add 2 kg Trichoderma to a mixture of 90 kg FYM and 10 kg Neemcake and kept for two weeks with sufficient moisture. Add 2.5 kg of this mixture to each matured vine to control foot rot of pepper.
Vegetables	Downy mildew	There is a chance of downy mildew attack in vegetables due to the onset of south west monsoon. Application of 2g m,curzate M-8 or Trichoderma 20g/litre under the leaves in 15 days interval is effective.
Animal Husbandry	Add disinfectant in the drinking water. (CAADECCS, KVASU, Mannuthy)	