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**Agromet Advisory Service Bulletin**

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**THRISSUR DISTRICT**

**AAS 36/2021, (71) Tuesday**

**31.08.2021**

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

The total rainfall received 126.8 mm. The maximum temperature ranges from 25.5 °C to 31.7 °C, minimum temperature ranges from 22.3 °C to 24.0 °C. Morning relative humidity ranges from 87% to 98% and afternoon relative humidity ranges from 66% to 98%. Wind speed ranges from 0.8 to 2.0 km/h. Bright sunshine hours range from 0.0 to 7.6 hours. Evaporation ranges from 1.4 to 2.7 mm.

**CURRENT SYNOPTIC SITUATION:** A cyclonic circulation lies over Vidarbha & neighbourhood extending upto 4.5 km above mean sea level tilting southwestwards with height. An east-west shear zone runs roughly along Latitude 15°N between 5.8 km & 7.6 km above mean sea level.

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

Weather parameters	01.09.2021	02.09.2021	03.09.2021	04.09.2021	05.09.2021
Rainfall (mm)	5	10	10	10	10
Maximum temperature(°C )	30	30	30	30	31
Minimum temperature (°C )	24	23	23	23	23
Maximum Relative Humidity (%)	90	90	90	90	90
Minimum Relative Humidity (%)	80	80	80	80	80
Wind speed (kmph)	6	7	8	6	6
Wind direction (deg)	320	320	320	320	320
Total cloud cover (octa)	6	6	6	6	6

As per the forecast of IMD & KAU, there is a chance of light rainfall in the district. Above normal rainfall is expected in Kerala.

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	Pest/ Disease	Advisories
<b>General Advisories:</b> Pesticides can be applied only during dry period.		
Paddy (virippu) Milky stage	Rice bug	There is a chance of appearance of rice bug in paddy. To control, spray 2 ml malathion per one litre of water. Pesticides application should be done either before 9 am or after 3 pm. Otherwise, the pesticide application will adversely affect the pollination.
Rice (Mundakan)	Land preparation	Land preparation for mundakan paddy can be started in kole paddy field, apply lime and nursery preparation. Seed treatment with pseudomonas can be done before sowing. (10 gram of pseudomonas per one kg of paddy seeds.)
Pepper	Foot rot	As a prophylactic measure to manage foot rot during rainy season, add 2 kg Trichoderma to a mixture of 90 kg FYM and 10 kg neem cake and kept for two weeks with sufficient moisture. Add 2.5 kg of this mixture to the base of each matured pepper vine.
Coconut	Management	While applying second dose of fertilizers to coconut palms, apply 550 gram urea, 700 gram Rajphos and 800 gram potash under irrigated conditions and apply 500 gram urea, 800 gram Rajphos and one kg potash under rainfed conditions
Ginger	Shoot borer	There is a chance of shoot borer in ginger. Spray 20 g <i>Beauveria</i> per one litre of water to control stem borer.
Vegetables (Bitter gourd)	Downy mildew	There is a chance of downy mildew attack in bitter gourd. Spray 2.5gm Mancozeb per one litre of water under the leaves.
Animal Husbandry		Avoid water logging in the cattle shed premises to prevent mosquito breeding. If required apply mosquito / fly repellent on the animal body and in the cattle shed. (caadeccs, kvasu, Mannuthy).