



**Kerala Agricultural University, Vellanikkara, Thrissur**  
**Department of Agricultural Meteorology, College of Agriculture**

Email: [cohagmet@kau.in](mailto:cohagmet@kau.in) & [kauagmet@yahoo.co.in](mailto:kauagmet@yahoo.co.in)

**Agromet Advisory Service Bulletin**

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



**THRISSUR DISTRICT**

AAS 39/2021, (77) Tuesday

20.09.2021

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

The total rainfall received 18.9 mm. The maximum temperature ranges from 28.0 °C to 32.9 °C, minimum temperature ranges from 23.3 °C to 24.7 °C. Morning relative humidity ranges from 93% to 98% and afternoon relative humidity ranges from 60% to 79%. Wind speed ranges from 0.5 to 1.8 km/h. Bright sunshine hours range from 0.0 to 9.2 hours. Evaporation ranges from 1.4 to 3.2 mm.

**CURRENT SYNOPTIC SITUATION:** The cyclonic circulation lies over Gangetic West Bengal & neighbourhood extending upto 5.8 km above mean sea level. A cyclonic circulation lies over coastal Tamilnadu & neighbourhood at 1.5 km above mean sea level. A trough runs from South Interior Karnataka to Comorin Area across Interior Tamilnadu at 0.9 km above mean sea level.

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

Weather parameters	21.09.2021	22.09.2021	23.09.2021	24.09.2021	25.09.2021
Rainfall (mm)	5	4	3	3	4
Maximum temperature(°C )	34	33	33	33	33
Minimum temperature (°C )	25	24	23	23	23
Maximum Relative Humidity (%)	85	85	85	85	85
Minimum Relative Humidity (%)	70	70	70	70	70
Wind speed (kmph)	6	6	6	8	6
Wind direction (deg)	270	250	270	290	270
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. Below 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) Maturity 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 preparations for mundakan paddy can be started in kole paddy field, apply lime during nursery preparation. Seed treatment with pseudomonas can be done before sowing. (10 gram of pseudomonas for one kg of paddy seeds.)
Nutmeg	Leaf fall	As a prophylactic measure, spray 1% bordeaux mixture to manage leaf fall during rainy season.
Arecanut	Mahali	Keep the field clean. Destroy completely affected trees. As a prophylactic measure, spray 1% Bordeaux mixture or two gram Copper oxychloride with stickers at 40-45 days interval.
Turmeric	Leaf Blotch (Taphrina maculans)	As a prophylactic measure, spray 2ml hexaconazole (Contaf) <b>or</b> 1 ml Propiconazole (Tilt) <b>or</b> 2.5 g copper oxychloride (Blitox or Blue copper) <b>or</b> 2 gram SAAF dissolved in one litre of water. Spraying can be continued at fortnightly intervals depending upon the intensity of the disease.
	Shoot borer	There is a chance of shoot borer in ginger and turmeric. Spray 20 g <i>Beauveria</i> per one litre of water to control stem borer.
Ginger	Rhizome rot	During rainy season, apply mixture of 15 gram bleaching powder and 250 gram lime in to the basin of three meter square bed to avoid the spreading of rhizome rot in ginger.
	Animal Husbandry	Don't allow the animals to graze in water logged areas to avoid foot lesions. Give foot and mouth disease vaccination (F M D) to the animal. (caadeccs, kvasu, Mannuthy).