



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

Email: cohagmet@kau.in & kauagmet@yahoo.co.in

Agromet Advisory Service Bulletin

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



THRISSUR DISTRICT

AAS 38/2021, (75) Tuesday

14.09.2021

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 148.3 mm. The maximum temperature ranges from 27.4 °C to 31.4 °C, minimum temperature ranges from 23.0 °C to 24.4 °C. Morning relative humidity ranges from 96% to 100% and afternoon relative humidity ranges from 66% to 89%. Wind speed ranges from 1.1 to 3.2 km/h. Bright sunshine hours range from 0.0 to 8.2 hours. Evaporation ranges from 1.6 to 2.9 mm.

CURRENT SYNOPTIC SITUATION: The deep depression weakened into depression and lay centred at 0830 hrs IST of 14th, over north Chhattisgarh & adjoining north interior Odisha, near latitude 22.1°N and longitude 83.4°E, about 80km west northwest of Jharsuguda (Odisha) and about 120km south-southeast of Ambikapur (Chhattisgarh).

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	15.09.2021	16.09.2021	17.09.2021	18.09.2021	19.09.2021
Rainfall (mm)	20	20	10	10	10
Maximum temperature (°C)	28	29	30	30	30
Minimum temperature (°C)	25	25	26	26	26
Maximum Relative Humidity (%)	98	98	98	98	98
Minimum Relative Humidity (%)	79	79	79	79	79
Wind speed (kmph)	5	4	5	6	6
Wind direction (deg)	270	250	270	270	270
Total cloud cover (octa)	8	8	7	7	7

As per the forecast of IMD & KAU, there is a chance of moderate rainfall in the district. Normal rainfall is expected in Kerala.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: 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.)
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.
Nutmeg	Leaf fall	As a prophylactic measure, spray 1% bordeaux mixture to manage leaf fall during rainy season.
Ginger	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.
	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.
Turmeric	Leaf Blotch (Taphrina maculans)	As a prophylactic measure, spray 2ml hexaconazole (Contaf) or 1ml Propiconazole (Tilt) or 2.5 g copper oxychloride (Blitox or Blue copper) or 2 gram SAAF dissolved in one litre of water. Spraying can be continued at fortnightly intervals depending upon the intensity of the disease.
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).	