



Agromet Advisory Bulletin for Thrissur District

(Valid from 17.8.2022 to 21.09.2022)

Prepared by the Department of Agricultural Meteorology, Kerala Agricultural University, COA, Vellanikkara
based on the medium range weather forecast of India Meteorological Department (IMD), New Delhi

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dated 16.9.2022

A. Significant weather for the preceding week at Vellanikkara

Rainfall (mm)	Maximum Temp.(°C)	Minimum Temp.(°C)	RH FN (%)	RH AN (%)	Wind speed (Km/h)	Sun shine hours	Evap. (mm)
(67)	(28.5-31.2)	(23.3-24.5)	(90-98)	(65-81)	(1.5-3.5)	(0.0-7.0)	(1.9-3.4)

B. Medium range weather forecast of IMD for next five days

Weather parameters	17.09.2022	18.09.2022	19.09.2022	20.09.2022	21.09.2022
Rainfall (mm)	0.1	3	8	4	3
Maximum temperature (°C)	32	32	32	32	32
Minimum temperature (°C)	24	24	24	24	24
Maximum Relative Humidity (%)	86	86	86	86	86
Minimum Relative Humidity (%)	72	72	72	72	72
Wind speed (kmph)	5	4	4	5	5
Wind direction (deg)	320	290	290	320	270
Total cloud cover (octa)	4	4	8	7	5

Weather summary / Alert: Light rainfall is expected in the district. Normal rainfall is expected in Kerala.

RAINFALL FORECAST FOR NEXT FIVE DAYS

2022 September 17	2022 September 18	2022 September 19	2022 September 20	2022 September 21
Very light rain	Light rain	Light rain	Light rain	Light rain

C. General and Agrometeorological Advisories for Thrissur District

Proper drainage facilities have to be ensured in the field.
If necessary, spray pesticides mixing with stickers during clear sky.

Crop	Pest/ Disease	Crop/ Animal Advisory
Paddy (virippu) Panicle Emergence	Rice bug	There is a chance of rice bug attack in paddy. Spray fish jaggery extract (20 ml/litre of water) or spray chitin based Pseudomonas fluorescens 20 gram in one litre of water. If the attack was severe, spray Azadirachtin 10 ml or Malathion 2 ml per 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. Spraying should be in spiral manner, beginning at the field bunds and progressing towards the field centre.
Coconut	Rhinoceros beetle	There is a chance of Rhinoceros beetle attack in coconut. After thorough cleaning of the crown region, apply 250 g neem cake mixed with equal volume of fine sand (250g) in the inner most 2-3 leaf axils surrounding the spindle leaf. Or naphthalene balls 12 g (approx. 4 nos) can be put in the innermost 2 leaf axils adjacent to spindle leaf and covered with fine sand, once in 45 days. Or spray Metarhizium anisopliae (250 ml metarhizium culture + 750 ml water) in manure pits.
Banana	Sigatoka disease	Sigatoka disease is likely to occur in banana plantations due to continuous rainfall. Cut and remove severely infected leaves and spray with 20 grams of Pseudomonas in one liter of water. After two weeks, if the disease is not reduced, spray one ml of hexaconazole or one ml of propiconazole in one liter of water by mixing with stickers on the underside of the leaf.

Animal Husbandry- Care should be taken to prevent rat nuisance in cattle shed premises. (CAADECCS, KVASU, Mannuthy).