



Agromet Advisory Bulletin for Thrissur District (Valid from 08.03.2023 to 12.03.2023)



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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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)
(0.0)	(35.4-37.1)	(20.0-25.4)	(38-73)	(17-37)	(3.6-7.4)	(9.2 -10.8)	(6.8-9.6)

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

Weather parameters	08.03.2023	09.03.2023	10.03.2023	11.03.2023	12.03.2023
Rainfall (mm)	0	0	0	0	0
Maximum temperature (°C)	37	37	37	36	36
Minimum temperature (°C)	23	23	23	23	23
Maximum Relative Humidity (%)	65	65	65	65	65
Minimum Relative Humidity (%)	20	20	20	20	20
Wind speed (kmph)	8	8	8	6	6
Wind direction (deg)	270	230	230	270	270
Total cloud cover (octa)	2	2	3	2	3

Weather summary / Alert: Since dry weather condition is prevailed, irrigation of crops can be continued as per requirement. Below normal rainfall is expected in Kerala.

C. General and Agrometeorological Advisories for Thrissur District

The following are immediate steps to be followed to protect farmers, plants, and birds from the summer heat. Drink plenty of clean water from time to time to prevent dehydration. Avoid going out in hot weather. Thus you can get rid of sunburn. While working in the farm, try to use a hat or an umbrella to prevent direct sunlight. As the climate is hot and dry, irrigate the crops as required to ensure adequate soil moisture. Irrigate only, when there is no strong sunlight. Drip irrigation can reduce water loss to some extent.

Crop	Pest/ Disease	Crop/ Animal Advisory
Puncha rice (Panicle emergence stage)	Fertilizer application	For short maturing varieties, chemical fertilizers can be applied at the rate of 25 kg urea and 15 kg muriate of potash per acre.
Coconut Tree	Whitefly	There is a chance of whitefly attack on coconut leaves during dry spell and they are controlled by beneficiary insects available in nature. If the whitefly attack is severe, spray 2% neem oil emulsion on the leaves or spray 20g <i>Lecanicillium lecanii</i> per one litre of water.
Vegetables (Bittergourd)	Stunted disease	As the temperature rises, stunted disease is likely to be seen on vegetables like bitter gourd. Spray dimethoate 0.05 percent (0.5 ml per one liter of water) to kill small insects that spread stunted disease. If the disease becomes severe, destroy the plants by uprooting them.

Animal Husbandry- Pets, domestic animals and birds should be provided with adequate drinking water and protection from the sun and heat. Adequate ventilation should be arranged in their living space. Do not let the cattle graze during hot weather. (CAADECCS, KVASU, Mannuthy).