



## Gramin Krishi Mousam Sewa (GKMS), Thrissur

### Agromet Advisory Bulletin for Ernakulam District

(Valid from 16.3.2022 to 20.3.2022)

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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#### A. Medium range weather forecast of IMD for next five days

Weather parameters	16.3.2022	17.3.2022	18.3.2022	19.3.2022	20.3.2022
Rainfall (mm)	1	2	0.1	0.1	6
Maximum temperature (°C)	33	32	32	32	32
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	80	80	80	80	80
Minimum Relative Humidity (%)	54	54	54	54	54
Wind speed (kmph)	8	8	8	8	8
Wind direction (deg)	270	270	270	270	270
Total cloud cover (octa)	7	7	4	2	5





#### RAINFALL FORECAST FOR NEXT FIVE DAYS

2022 March 16	2022 March 17	2022 March 18	2022 March 19	2022 March 20
Very light rain				

**Weather summary / Alert:** Light rainfall is expected in isolated places of the district. Below normal rainfall is expected in Kerala.

#### B. Agrometeorological Advisories for crop protection & management

The following are immediate steps to be followed protect farmers, plants, and birds from the summer heat. Avoid going out in hot weather as much as possible. That way you can get rid of sunburn. While working in the farm, try to use a hat or umbrella to prevent direct sunlight. Drink plenty of clean water from time to time to prevent dehydration. 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 Advisories (RRS Vyttila)	
Rice (puncha) – panicle initiation stage	Blast		Spray 4 gram of Tebuconazole 50%+ Trifloxystrobin 25% w/w WG (75 WG) in ten litres of water.
Coconut & Arecanut	Irrigation		Since dry weather condition is prevailed, irrigate to Coconut and Arecanut. Give 40 to 50 liter water for a coconut palm and 25 liter water for an Arecanut plant. Since air temperature is increasing, it is a desirable practice to bury fresh or dried coconut husk around the coconut palm to conserve soil moisture. It is desirable to apply lime (white colour) on the stem near the ground to protect from heat.
Vegetables	Sucking pests		Spraying of <i>Leccanicilium leccani</i> 20 g / L at weekly intervals to be done from the initial stage of infestation. Higher population of the pests can be suppressed by spraying Neem based insecticides or Dimethoate 30 EC (1.5 ml / L) or Thiamethoxam 20 WG (2g / 10 L). The spray fluid should be directed towards either side of leaves. In the case of mealy bugs, white flies etc., spraying of soap solution to be done before the application of chemicals to dissolve the waxy covering
Mango	Fruit flies		Destroy all fallen fruits at weekly intervals. Install six methyl eugenol plywood traps (pheromone traps) per acre. Plough the soil at the tree basin at frequent intervals.
Fish farming	Ornamental fishes such as guppies, platy, mollies and sword tail fish can be farmed by beginners since these fishes are easy to breed and maturity period is too short.		

