



Gramin Krishi Mousam Sewa (GKMS), Thrissur
Agromet Advisory Bulletin for Ernakulam District
(Valid from 12.1.2022 to 16.1.2022)

*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	12.1.2022	13.1.2022	14.1.2022	15.1.2022	16.1.2022
Rainfall (mm)	0.1	0.1	0.1	0.1	0.1
Maximum temperature (°C)	31	31	31	31	31
Minimum temperature (°C)	23	25	25	25	24
Maximum Relative Humidity (%)	85	85	85	85	85
Minimum Relative Humidity (%)	63	63	63	63	63
Wind speed (kmph)	10	12	14	14	12
Wind direction (deg)	290	320	320	320	320
Total cloud cover (octa)	1	2	6	6	5




RAINFALL FORECAST FOR NEXT FIVE DAYS

2022 January 12	2022 January 13	2022 January 14	2022 January 15	2022 January 16
No rain				

Weather summary / Alert: Since clear sky condition is prevailing, irrigation of crops can be continued, when required in the district. Below normal rainfall is expected in Kerala.

B. Agrometeorological Advisories for crop protection & management

Since clear sky condition is prevailing, irrigation of crops can be continued, if needed. Since the wind speed may increase, give strong propping to banana and staking to vegetables.

Crop	Pest/ Disease	Crop/ Animal Advisories (RRS Vyttila)	
Mundakan Rice in Milky stage	Bacterial Leaf blight		To control and prevent Bacterial Leaf blight in paddy, dissolve 20 g of cow dung in one litre of water and spray the supernatant liquid by mixing with 20g of pseudomonas in one litre of water. If the attack is severe spray 6 g of Streptocycline in 30 litre of water.
Puncha Rice (seedling stage)	Thrips		Flooding the rice field will manage the thrips population to an extent. In severe cases, spray Thiamethoxam 25 WG 2g in 10 litre water.
Vegetables	Mites		2 per cent neem oil + garlic emulsion or commercial neem formulation azadirachtin 0.004 per cent (4 ml per litre of water) or micronized wettable sulphur 0.4 per cent can be applied in the initial stages of infestation. In the case of very severe infestation, the crop can be protected by spraying 0.05% dimethoate or Spiromesifen 22.9% SC 8 ml per 10 litre or Diafenthiuron 50% WP 1.2 g per 10 litre can be sprayed. Rational rotation of pesticides to be followed to avoid resistance development.
Fish farming	Management-Farmers can culture the following fishes like red snapper, seabass, pearl spot, mullet, pompano, milk fish etc. in brackish water		