



**Kerala Agricultural University, Vellanikkara, Thrissur**  
**Department of Agricultural Meteorology, College of Horticulture**

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

**Agromet Advisory Service Bulletin**

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**ERNAKULAM DISTRICT**

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15.01.2021

**CURRENT SYNOPTIC SITUATION:** A cyclonic circulation lies over central parts of Arabian Sea and adjoining Equatorial Indian Ocean extending upto 5.8 km above mean sea level. A trough runs from this cyclonic circulation to Comorin area extending upto 1.5 km above mean level. A cyclonic circulation lies over southwest Bay of Bengal off Tamilnadu coast between 5.8 & 7.6 km above mean sea level.

**WEATHER FORECAST FOR THE NEXT FIVE DAYS:**

Weather parameters	16.01.2021	17.01.2021	18.01.2021	19.01.2021	20.01.2021
Rainfall (mm)	10	10	1	0	0
Maximum temperature(°C )	32	32	32	32	32
Minimum temperature (°C )	24	24	24	24	24
Maximum Relative Humidity (%)	83	83	83	83	83
Minimum Relative Humidity (%)	61	61	61	61	61
Wind speed (kmph)	10	6	10	10	10
Wind direction (deg)	270	270	270	270	270
Total cloud cover (octa)	8	8	5	4	2

As per the forecast of IMD & KAU, there is a chance of decrease in rainfall intensity in the district.

**AGRO-METEOROLOGICAL ADVISORIES:**

Crop	Pest/ Disease	Advisories
<b>General Advisories:</b> Precaution should be taken during drying of agricultural products and spraying of pesticides.		
Rice (Mundakan) Dough stage	Bacterial Leaf blight	As a prophylactic measure, spray 20 gram Pseudomonas in one litre of water. To control the spread of Bacterial Leaf blight in paddy, spray 6 g of Streptocycline in 30 litre of water.
	Sheath Blight	To control sheath blight disease in rice, spray 4 gram of (Trifloxystrobin +Tebuconazole) mixture in ten litres of water.
	Glume discolouration	During the 50% panicle emergence stage, there is a chance of glume discolouration in rice. To control this, spray 2 gram Kocide per one litre of water.
Banana	Sigatoka disease	If there is sigatoka disease is seen in banana, as a prophylactic measure, spray 1% Bordeaux mixture.
Chilly	Thrips	There is a chance of thrips attack in chilly. Apply 2% neem oil+ garlic emulsion under the leaf surface at 10 days intervals. If the attack is severe, apply spiromecifen 8 ml per ten litre of water. (50 g bar soap was dissolved in hot water and mixed with 200 ml neem oil and 200 gram filtered garlic extract, and diluted with water to make into 10 liter emulsion.)
Animal Husbandry	Vaccinate animals against foot and mouth disease and hemorrhagic septicemia.	