



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

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

Agromet Advisory Service Bulletin

(Issued jointly by AMFU Thrissur, India Meteorological Department and Department of Agriculture)



ERNAKULAM DISTRICT

AAS 10/2021, (19)Tuesday

02.03.2021

CURRENT SYNOPTIC SITUATION: A cyclonic circulation lies over SouthEast Arabian Sea between 3.1 & 4.5 km above mean sea level . A cyclonic circulation lies over Comorin area & neighbourhood lay over Lakshadweep-Maldives area over 1.5 km above mean sea level . A cyclonic circulation lies over southwest Bay of Bengal off North Sri Lanka coast at 1.5 km above mean sea level.

WEATHER FORECAST FOR THE NEXT FIVE DAYS:

Weather parameters	03.03.2021	04.03.2021	05.03.2021	06.03.2021	07.03.2021
Rainfall (mm)	0	0	0	0	0
Maximum temperature(°C)	31	31	31	31	31
Minimum temperature (°C)	25	25	25	25	25
Maximum Relative Humidity (%)	92	92	92	92	92
Minimum Relative Humidity (%)	63	63	63	63	63
Wind speed (kmph)	10	10	12	12	14
Wind direction (deg)	250	250	250	250	270
Total cloud cover (octa)	6	4	3	2	4

As per the forecast of IMD & KAU, due to no rainfall and prevailing dry weather conditions, irrigation of crops to be continued in the district. Above normal rainfall is expected in Kerala.

AGRO-METEOROLOGICAL ADVISORIES:

Crop	Pest/ Disease	Advisories
General Advisories: Since no rainfall is forecasted, Drying of agricultural products and spraying of pesticides can be done.		
Rice (Mundakan) Harvesting stage	Brown Plant Hopper (BPH)	There is a chance of brown plant hopper attack in rice. Spray 2 g Thiamethoxam per ten litre of water.
	Rice bug	There is a chance of rice bug attack in paddy. To control, keep the field and bunds free of weeds and grasses. Avoid over lapping cultivation in an area. Spray fish jaggery extract (20 ml/litre of water) or spray chitin based <i>Pseudomonas fluorescens</i> 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.
	Lakshmi disease	There is a chance lakshmi disease attack in paddy, destruction of straw and stubble from infected plant is recommended. If the attack is severe spray 1.5 gram Copper hydroxide (Kocide) in one liter of water at 50% flowering stage.
Brinjal, Chilly	White fly	There is a chance of white fly attack in brinjal and chilly. Apply 2% neem oil garlic emulsion or spray 20g <i>Lecanicillium lecanii</i> per one litre of water in ten days intervals.
Animal Husbandry	1.Take precautions to avoid ecto parasitic infestation 2.Fever, shivering, brown coloured urine, off feed are noticed, consult veterinary doctor immediately	