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Agromet Advisory Service Bulletin

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



THRISSUR DISTRICT

AAS 09/2021, (18)Friday

26.02.2021

SIGNIFICANT WEATHER FOR THE PRECEDING WEEK AT VELLANIKKARA:

The total rainfall received 0.0 mm. The maximum temperature ranges from 34.2C to 36.1C, minimum temperature ranges from 21.7°C to 23.3°C. Morning relative humidity ranges from 62% to 93% and afternoon relative humidity ranges from 35% to 47%. Wind speed ranges from 3.2 to 7.9 km/h. Bright sunshine hours range from 6.4 to 9.8 hours. Evaporation ranges from 4.6 to 5.7 mm.

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	27.02.2021	28.02.2021	01.03.2021	02.03.2021	03.03.2021
Rainfall (mm)	0	0	0	0	0
Maximum temperature(°C)	35	36	36	36	36
Minimum temperature (°C)	23	22	22	22	22
Maximum Relative Humidity (%)	75	75	75	75	75
Minimum Relative Humidity (%)	55	55	55	55	55
Wind speed (kmph)	8	4	8	8	8
Wind direction (deg)	270	270	230	230	90
Total cloud cover (octa)	6	0	2	6	2

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.
Vegetables	-	The micronutrient deficiency of vegetables can be managed by spraying 5 gram of vegetable sampurna in one liter of water.
Cucumber	Pumpkin Beetle	Sowing of cucumber can be done. Apply neem cake at the base for preventing pumpkin beetle.
Animal Husbandry	1.Take precautions to avoid ecto parasitic infestation 2.Fever, shivering, brown coloured urine, off feed are noticed, consult veterinary doctor immediately	

