



Jointly released by

Regional Meteorology Centre, Chennai - India Meteorology Department, Reddiarchathram Seed Growers Association &

M. S. Swaminathan Research Foundation, Kannivadi

Forecast Period: 17/04/2024 21/04/2024 District: Madurai

Bulletine No: MSSRF/ MDU / 031/ 2024 Release Date : 16/04/2024



Significant past weather	From	12/04/202 4	to	15/04/202 4
Parameters		Past	t Weatl	ner
Rainfall (mm)			15.2	
Maximum Temperature (°C)			35-38	
Minimum Temperature (°C)			25-28	
Sky Condition (Octas)			4-7	
Relative Humidity (%)			41-84	
Wind Speed (kmph)			5-10	

Ensemble Weather Forecast 08:30Hrs 21-04-2024 until of

		18-04-		20-04-	21-04-
Parameters	17-04-2024	2024	19-04-2024	2024	2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	0	0	2	1	0
Maximum Temperature (°C)	37	37	36	36	35
Minimum Temperature (°C)	26	25	25	24	24
Sky Condition (Octas)	5	6	5	8	7
Max. Relative Humidity (%)	80	70	70	70	70
Min. Relative Humidity (%)	30	30	30	30	20
Wind Speed (Kmph)	10	10	12	10	10
Wind Direction	SE	SE	SE	SE	SE

SMS **Advisory** Chances of very light rain on 19 & 20 Apr. Maximum temperature would be in the range of 35°C to 37°C and the minimum temperature would be between 24°C - 26°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 10-12 Kmph from, Southeast direction.

General Advisory:

There is a rise in maximum temperature for the forthcoming days, and due to this the soil moisture content may be reduced.

Hence, the horticultural farmers are advised to take up mulching around the root basin of the crop with dried leaves, grass and other farm wastes to retain the soil moisture content.

Livestock:

For livestock, the heat stress can be managed by spraying/ sprinkling water directly on the body of animals for a period of 1 to 5 minutes at an interval of 30-60 minutes. Cover the sides of the cow shed with wet gunny bags. Ensure the increased mineral supplementation to the animals during hot weather

to meet the increased demand for minerals. The potassium-rich mineral mixture should be preferred for your cattle.

Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next five days (17.04.2024 to 21.04.2024). Hence farmers are advised to plan their field activities during morning and evening hours and avoid working in the field during 12 noon to 4 Pm. Stay safe and take care. Drink adequate water.

Weather Based Agro-Advisories: (Tuberose, Paddy & Animal Husbandry).

Tuberose:

The occurrence of Root–knot nematode is noticed in the Tuberose flower crop. Root swelling and galling are similar to those described for other host plants infected with the root-knot nematode.

Affected plants are usually stunted and leaves become yellow at the tip when the root system is heavily galled.

To control, mix the Cartap hydrochloride @ 40gm with 10 litres of water and remove the sprayer nozzle and pore 5 to 7ml per plant at the root portion.

Paddy:

Prevailing weather is favourable for the sucking pests in standing Navarai season rice. Spray Thiamethoxam 25 WG @ 100 g/hectare.

Considering the increase in temperature and low soil moisture, irrigation may be provided to Navari planted rice at milking stage.

Animal Husbandry:

Proper maintenance of cattle sheds is essential during the prevailing hot weather conditions.

The direction of the sheds should be arranged in such a way that good air is available and at the same time, the heat of the sun does not directly affect the animals.

It is better if the length of the sheds is east-west. Growing trees in areas where there is strong wind will help in reducing wind speed to some extent.

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