

 MSSRF Science for Sustainable Development	AgroMet Advisory Bulletin (AAB) Jointly released by Regional Meteorology Centre, Chennai – India Meteorology Department, Reddiarchathram Seed Growers Association & M. S. Swaminathan Research Foundation, Kannivadi Phone no.: 044 - 22541229 E mail: amfu.kannivadi@gmail.com Fax: 044 – 22541319					
	District :	Dindigul	Forecast Period :	01/05/2024	to	
	Bulletin No:	MSSRF/ DGL /035/ 2024	Release Date :	30/04/2024		

Significant past weather	From 26/04/2024 to 29/04/2024
	4 to 4
Parameters	Past Weather
Rainfall (mm)	0.0
Maximum Temperature (°C)	39-40
Minimum Temperature (°C)	26-28
Sky Condition (Octas)	3-5
Relative Humidity (%)	35-72
Wind Speed (kmph)	9-14

Ensemble Weather Forecast
until **08:30Hrs of 05-05-2024**

Parameters	01-05-2024	02-05-2024	03-05-2024	04-05-2024	05-05-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	1	0	0	3	1
Maximum Temperature (°C)	40	41	41	41	40
Minimum Temperature (°C)	28	28	27	27	27
Sky Condition (Octa)	5	4	2	6	3
Max. Relative Humidity (%)	70	70	70	70	70
Min. Relative Humidity (%)	20	20	30	30	20
Wind Speed (Kmph)	6	8	8	8	6
Wind Direction	W	SE	SE	SE	SW

SMS Advisory	Chances of light rain on 4 May. Maximum temperature would be in the range of 40°C to 41°C and the minimum temperature would be between 27°C - 28°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 6-8 Kmph from, West, Southeast & Southwest directions.
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General Advisory:

Owing to high maximum temperature and moderate wind, more moisture loss is expected and hence, more irrigation should be given to the standing crops.

Livestock:

Artificial insemination of goats and cows should be done within 9 am or after 4pm due to the high heat of the day.

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

Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next five days (01.05.2024 to 05.05.2024). 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: (Maize, Jasmine & Animal Husbandry).

Maize:

The application of micronutrients will rectify the nutrient deficiency in Maize Cultivation.

Farmers who have planted maize recently can apply 5kg of Millet nutrient mixture or 10Kg of ZnSo₄ /acre.

Also, apply Farm Yard Manure along with 2kgs of Azospirillum and 2kgs of Phosphobacteria per acre.

Jasmine:

To increase the flower yield in Jasmine give foliar spraying with zinc sulphate and ferrous sulphate each @ 5 gram / litre of water with 1 month interval.

Animal Husbandry:

Livestock can be treated with summer feed mixed with 40 g of mineral salt, 50 g of dry yeast or 150 g of sodium bicarbonate.

This reduces the heat dissipation that appears in dairy cows and increases the amount of milk and fat and non-fat solids in the milk.