


 <b>MSSRF</b> <small>Science for Sustainable Development</small>	<b>AgroMet Advisory Bulletin (AAB)</b> 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: <a href="mailto:amfu.kanniwadi@gmail.com">amfu.kanniwadi@gmail.com</a> Fax: 044 – 22541319						
	District :	<b>Theni</b>	Forecast Period :	<b>01/05/2024</b>	to		<b>05/05/2024</b>
	Bulletine No :	<b>MSSRF/ THN/ 035/ 2024</b>	Release Date :	<b>30/04/2024</b>			

Significant past weather	From	26/04/202	to	29/04/202
		4		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**      **08:30Hrs of 05-05-2024**  
 until

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	0	2
Maximum Temperature (°C)	36	37	37	36	37
Minimum Temperature (°C)	25	25	24	25	25
Sky Condition (Octas)	5	4	2	6	3
Max. Relative Humidity (%)	70	70	70	70	70
Min. Relative Humidity (%)	20	20	30	30	20
Wind Speed (Kmph)	8	8	6	6	8
Wind Direction	SW	SW	SW	SW	SW

<b>SMS Advisory</b>	Chances of very light rain on 1 & 5 May. Maximum temperature would be in the range of 36°C to 37°C and the minimum temperature would be between 24°C - 25°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 6-8 Kmph from, Southwest direction.
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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 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 (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: (Sugarcane, Chilly & Animal Husbandry)**

#### **Sugarcane:**

Nutrient deficiency like iron deficiency is noticed in sugarcane crop.

To rectify this iron deficiency, farmers are advised to do a foliar spray of Ferrous Sulphate @ 250 gm dissolved in 100 litres of water or Soil application of 25 kg of Ferrous Sulphate.

#### **Chilly:**

The incense of Fruit Rot and Die Back disease may attack the Chilli crop. Drying up spreads from the flower stalks to the stem and subsequently causes die-back of the branches, stem and the branches wither. Partially affected plants bear fruits that are few and of low quality.

Effective disease control has been observed through the application of Pseudomonas fluorescence at a rate of 50 to 100 grams per 10 liters of water.

Using the chemical method, after the 40<sup>th</sup> day of planting, spray with 1¼ Kg of Copper Oxychloride per acre at 20-day intervals.

#### **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.