
 <b>MSSRF</b> Science for Sustainable Development	<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.kannivadi@gmail.com">amfu.kannivadi@gmail.com</a> Fax: 044 – 22541319					
	District :	<b>Pudukkottai</b>	Forecast Period :	<b>01/05/2024</b>	to	
	Bulletin No:	<b>MSSRF/ PDK /035/ 2024</b>	Release Date :	<b>30/04/2024</b>		

<b>Significant past weather</b>	From	<b>26/04/2024</b>	to	<b>29/04/2024</b>
		<b>4</b>		<b>4</b>
<b>Parameters</b>	<b>Past Weather</b>			
Rainfall (mm)	0.0			
Maximum Temperature (°C)	39-40			
Minimum Temperature (°C)	27-28			
Sky Condition (Octas)	4-6			
Relative Humidity (%)	34-85			
Wind Speed (kmph)	9-14			

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

<b>Parameters</b>	<b>01-05-2024</b>	<b>02-05-2024</b>	<b>03-05-2024</b>	<b>04-05-2024</b>	<b>05-05-2024</b>
	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>	<b>Saturday</b>	<b>Sunday</b>
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	39	40	40	40	40
Minimum Temperature (°C)	28	28	28	27	27
Sky Condition (Octa)	3	4	2	1	2
Max. Relative Humidity (%)	90	60	70	60	60
Min. Relative Humidity (%)	20	20	20	20	20
Wind Speed (Kmph)	16	14	16	18	20
Wind Direction	S	S	S	S	S

<b>SMS Advisory</b>	Dry weather will prevail for the next 5 days, Maximum temperature would be in the range of 39°C to 40°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 14-20 Kmph from, South 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

### **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.

Wind with the speed of 14 to 20 kmph is expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

### **Weather Based Agro-Advisories: (Chilly, Black Gram & Animal Husbandry).**

#### **Chilly:**

Due to the high temperature and high wind humidity damping off is seen in Chilli crop.

To control this, mix 2.5g of copper oxychloride with one liter one liter of water and soak the nursery for 15 days.

Apply Carbofuran 3g 10g per square meter to control the attack of nematodes and sucking insects.

#### **Black Gram:**

Due to the high maximum temperature, there is a chance of the incidence of Pod flies in the Farmers who have been cultivating Black Gram can control the pests by spraying imidacloprid at the rate of 0.5 ml per liter of water to control Yellow Mosaic Virus.

#### **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.