
 <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>06/04/2024</b> to <b>10/04/2024</b>	
	Bulletin No:	<b>MSSRF/ PDK /028/ 2024</b>	Release Date :	<b>05/04/2024</b>	

<b>Significant past weather</b>	From <b>02/04/2024</b> to <b>04/04/2024</b>
	4 to 4
<b>Parameters</b>	<b>Past Weather</b>
Rainfall (mm)	0.0
Maximum Temperature (°C)	39-40
Minimum Temperature (°C)	27-28
Sky Condition (Octas)	5-6
Relative Humidity (%)	30-82
Wind Speed (kmph)	10-12

**Ensemble Weather Forecast**  
 until **08:30Hrs of 10-04-2024**

Parameters	06-04-2024	07-04-2024	08-04-2024	09-04-2024	10-04-2024
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	0	0	0	1	0
Maximum Temperature (°C)	40	40	40	39	39
Minimum Temperature (°C)	28	27	27	28	27
Sky Condition (Octa)	5	2	5	4	5
Max. Relative Humidity (%)	80	70	70	80	80
Min. Relative Humidity (%)	10	20	20	20	40
Wind Speed (Kmph)	14	16	16	14	14
Wind Direction	SE	SE	SE	SE	SE

<b>SMS Advisory</b>	Chances of very light rain on 9 Apr. Maximum temperature would be in the range of 39°C to 40°C and the minimum temperature would be between 27°C - 28°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 14-16 Kmph from, Southeast direction.
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**General Advisory:**

**Extended range Forecast for next week (05<sup>th</sup> to 18<sup>th</sup> April 2024):**

**Rainfall:**

As per extended range predictions, there is possibility of generally below normal rainfall likely over the district during 05<sup>th</sup> to 11<sup>th</sup> April 2024.

As per extended range predictions, there is possibility of near normal to below normal rainfall likely over the district during 12<sup>th</sup> to 18<sup>th</sup> April 2024.

**Maximum Temperature:**

Maximum temperatures are likely to be above normal and are likely to be in the range of 34°C to

Maximum temperatures are likely to be slightly below normal and are likely to be in the range of 34°C to 38°C, over the district from 12<sup>th</sup> to 18<sup>th</sup> April 2024.

### **Minimum Temperature:**

Minimum temperatures are likely to be slightly above normal and are likely to be in the range 24°C to 28°C over the district from 05<sup>th</sup> to 11<sup>th</sup> April 2024.

Minimum temperatures are likely to be slightly below normal and are likely to be in the range 24°C to 28°C over the district from 11<sup>th</sup> to 18<sup>th</sup> April 2024.

### **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 four days (06.04.2024 to 09.04.2024). 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.

Wind with the speed of 14 to 16 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: (Bhendi, Coconut & Animal Husbandry).**

#### **Bhendi Tapioca:**

The incidence of Mealy bug is expected in Bhendi.

White cotton like masses made of flocks of bugs appear on the underside of leaves, stem, flowers and fruits and infestation can lead to yellowing and curling of young leaves, stunted growth of plants and early fall of fruits.

To control, spray 30ml Buprofezin + 10ml Stick agent with 10 litres of water.

#### **Coconut:**

Due to the prevailing hot weather conditions, button shedding may occur in coconut trees.

Farmers are advised to apply farm wastes (or) crop residue around the coconut tree and irrigate around the tree.

Also, give root feeding of coconut tonic (200 ml / tree) can be given at 3 months interval to avoid button shedding in coconut

#### **Animal Husbandry:**

Considering the increase in temperature, provide TANUVAS smart mineral mixture @ 50grams per day per animal.

Also provide adequate hygiene drinking water to your animal, to withstand the prevailing hot conditions.