
 <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>Ramanathapuram</b>	Forecast Period :	<b>06/04/2024</b>	to	
	Bulletin No:	<b>MSSRF/ RMD /028/ 2024</b>	Release Date :	<b>05/04/2024</b>		

<b>Significant past weather</b>	From	<b>02/04/2024</b>	to	<b>06/04/2024</b>
		<b>4</b>		<b>4</b>
<b>Parameters</b>	<b>Past Weather</b>			
Rainfall (mm)	3.1			
Maximum Temperature (°C)	34-37			
Minimum Temperature (°C)	25-27			
Sky Condition (Octas)	4-6			
Relative Humidity (%)	68-88			
Wind Speed (kmph)	2-8			

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

<b>Parameters</b>	<b>06-04-2024</b>	<b>07-04-2024</b>	<b>08-04-2024</b>	<b>09-04-2024</b>	<b>10-04-2024</b>
	<b>Saturday</b>	<b>Sunday</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>
Rainfall (mm)	0	0	0	1	1
Maximum Temperature (°C)	34	34	35	35	35
Minimum Temperature (°C)	25	26	26	26	26
Sky Condition (Octa)	2	0	4	1	4
Max. Relative Humidity (%)	70	80	70	70	70
Min. Relative Humidity (%)	40	40	40	50	40
Wind Speed (Kmph)	16	18	18	16	18
Wind Direction	S	S	S	SE	E

<b>SMS Advisory</b>	Chances of very light rain on 9 & 10 Apr. Maximum temperature would be in the range of 34°C to 35°C and the minimum temperature would be between 25°C - 26°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 16-18 Kmph from, South, Southeast & East directions.
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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 16 to 18 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: (Cotton, Coconut & Animal Husbandry).**

#### **Cotton:**

Due to the prevailing hot weather condition incidence of aphid is expected in cotton. The damage symptoms are curling, crinkling of leaves and stunted growth.

It leads to further development of black sooty mould due to the excretion of honey dew, the plant become dark appearance and blighted appearance.

To control this, spray Imidacloprid 17.8% SL @ 50 ml/acre.

#### **Coconut:**

The incidence of Leaf blight in Coconut crop, it causes serious damage to seedlings, leaves and nuts of adult palms.

Generally, the adult leaves in the outer whorls are affected. The affected nuts were desiccated, shrunken, deformed and dropped prematurely resulting in nut yield loss of up to 10 to 25%.

The incidence will occur throughout the year and the maximum incidence will be observed during summer.

Remove and burn the severely affected leaves to avoid further spread.

To control apply 200g Pseudomonas fluorescens along with 50kg of FYM + 5 kg of Neem cake

Spray 0.25% Copper oxychloride 2 times in 45-day intervals during summer months.

**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.