
 <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>27/04/2024</b>	to	
	Bulletin No:	<b>MSSRF/ RMD /034/ 2024</b>	Release Date :	<b>26/04/2024</b>		

<b>Significant past weather</b>		<b>From</b>	<b>23/04/2024</b>	<b>to</b>	<b>25/04/2024</b>
		<b>4</b>		<b>4</b>	
<b>Parameters</b>		<b>Past Weather</b>			
Rainfall (mm)		0.0			
Maximum Temperature (°C)		36-37			
Minimum Temperature (°C)		27			
Sky Condition (Octas)		3-5			
Relative Humidity (%)		62-76			
Wind Speed (kmph)		0-2			

**Ensemble Weather Forecast**  
 until **08:30Hrs of 01-05-2024**

Parameters	27-04- 2024	28-04- 2024	29-04- 2024	30-04- 2024	01-05- 2024
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	37	37	37	38	38
Minimum Temperature (°C)	27	27	28	28	28
Sky Condition (Octa)	4	3	4	3	7
Max. Relative Humidity (%)	70	70	70	70	70
Min. Relative Humidity (%)	40	50	50	40	40
Wind Speed (Kmph)	12	14	16	20	20
Wind Direction	SE	SE	S	S	S

<b>SMS Advisory</b>	Dry weather will prevail for the next 5 days, Maximum temperature would be in the range of 37°C to 38°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 12-20 Kmph from, , Southeast & South 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:**

As the temperature is expected to increase in the forthcoming days, sucking pest infestation may be prevalent in vegetables, pulses and groundnut crops. Hence, 5% Neem seed kernel extract may be sprayed to control the pest incidence.

Wind with the speed of 12 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: (Jasmine, Tomato & Animal Husbandry).**

#### **Jasmine:**

Mulching is advised to overcome the ill effects of high temperatures in flower gardens.

Further farmers are requested to monitor the incidence of Thrips attack and if required spray Neem Seed Kernel Extract @ 5%.

#### **Tomato:**

Due to the prevailing weather conditions, the Early leaf blight disease is predominant in tomato-growing areas.

For the management of this disease, remove and destroy the infected crop debris.

For effective disease control, spray the crop with Chlorothalonil @ 2g/litre or Copper hydroxide 2g/litre at fortnight intervals.

#### **Animal Husbandry:**

Farmers are advised to deworm their goats for Round / Tap Worms for the months of May and June. The deworming should be done in the morning and the goat should be on an empty stomach.