
 <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>20/07/2024</b>	to	
	Bulletin No:	<b>MSSRF/ RMD /058/ 2024</b>	Release Date :	<b>19/07/2024</b>		

<b>Significant past weather</b>	<b>From</b>	<b>16/07/202</b>	<b>to</b>	<b>18/07/202</b>
		<b>4</b>		<b>4</b>
<b>Parameters</b>	<b>Past Weather</b>			
Rainfall (mm)	0.6			
Maximum Temperature (°C)	34-37			
Minimum Temperature (°C)	24-25			
Sky Condition (Octas)	6-7			
Relative Humidity (%)	51-82			
Wind Speed (kmph)	1-3			

**Ensemble Weather Forecast**  
 until **08:30Hrs of 24-07-2024**

<b>Parameters</b>	<b>20-07-2024</b>	<b>21-07-2024</b>	<b>22-07-2024</b>	<b>23-07-2024</b>	<b>24-07-2024</b>
	<b>Saturday</b>	<b>Sunday</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	36	36	36	36	36
Minimum Temperature (°C)	25	25	25	25	25
Sky Condition (Octa)	6	6	5	5	5
Max. Relative Humidity (%)	72	72	70	70	70
Min. Relative Humidity (%)	56	56	54	54	54
Wind Speed (Kmph)	25	26	25	15	15
Wind Direction	W	W	W	W	W

<b>SMS Advisory</b>	For the next five days, Maximum temperature would be 36°C and the minimum temperature would be 25°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 15 – 25 Kmph from, West direction.
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**General Advisory:**

**Extended range Forecast for next week (19<sup>th</sup> July to 01<sup>st</sup> August 2024):**

**Rainfall:**

As per extended range predictions, there is possibility of normal to slightly above normal rainfall likely over the district during 19<sup>th</sup> to 25<sup>th</sup> July 2024.

As per extended range predictions, there is possibility of near normal to slightly below normal rainfall likely over the district during 26<sup>th</sup> July to 01<sup>st</sup> August 2024.

**Maximum Temperature:**

Maximum temperatures are likely to be near normal to slightly below normal and are likely to be in the range 30°C to 36°C over the plains of the district during next week. 19<sup>th</sup> to 25<sup>th</sup> July 2024.

Maximum temperatures are likely to be near normal and are likely to be in the range 32°C to 36°C over the plains of the district during next week. 26<sup>th</sup> July to 01<sup>st</sup> August 2024.

### **Minimum Temperature:**

Minimum temperatures are likely to be near normal and are likely to be in the range 22°C to 26°C over the district during next week 19<sup>th</sup> to 25<sup>th</sup> July 2024.

Minimum temperatures are likely to be near normal and are likely to be in the range 22°C to 28°C over the district during next week 26<sup>th</sup> July to 01<sup>st</sup> August 2024.

### **Agriculture:**

Wind with the speed of 15 to 25 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.

Farmers are advised to get ready for sowing and planting of horticultural crops, such as Chillies, Brinjal, Snake gourd, Banana and other perennial crops during this season (Aadipattam).

### **Weather Based Agro-Advisories: (Paddy, Chilly & Animal Husbandry)**

#### **Paddy:**

Farmers planning for Rain-fed Paddy cultivation, are advised to soak the quality seeds with 1% Potassium chloride (KCL) solution for 6 hours, a day before sowing and then dry the seeds in the shade for 16 hours.

Thus the seeds get hardened to get germinated after having enough moisture in the soil.

This seed hardening process helps for uniform germination and growth and also for developing vigorous seedlings.

#### **Chilly:**

At this prevailing weather condition, weeding work can be carried out in Chilli.

Using the hand sprayer, spray Pendimethalin @ 1 kg/ha with 500 litres of water. As pre-emergence herbicide and may be combined with hand weeding once and earth up 45 days after planting.

Raise intercrop of onion in paired row system to get additional income.

#### **Animal Husbandry:**

Due to the prevailing weather condition, there are chances for infection of external parasites in goats and sheep.

To remove and control the parasites, Mix 2ml of Butox in one litre of water and apply this Butox solution externally on your sheep & goats.

This solution is only for external use not for internal purposes.