
 <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>29/06/2024</b>	to	
	Bulletin No:	<b>MSSRF/ RMD /052/ 2024</b>	Release Date :	<b>28/06/2024</b>		

<b>Significant past weather</b>	From	<b>25/06/2024</b>	to	<b>27/06/2024</b>
		<b>4</b>		<b>4</b>
<b>Parameters</b>	<b>Past Weather</b>			
Rainfall (mm)	1.0			
Maximum Temperature (°C)	37-38			
Minimum Temperature (°C)	27-25			
Sky Condition (Octas)	5-8			
Relative Humidity (%)	34-75			
Wind Speed (kmph)	2-6			

**Ensemble Weather Forecast**  
until **08:30Hrs of 03-07-2024**

Parameters	29-06-2024	30-06-2024	01-07-2024	02-07-2024	03-07-2024
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	0	0	2	2	2
Maximum Temperature (°C)	35	36	36	35	35
Minimum Temperature (°C)	25	25	25	24	24
Sky Condition (Octa)	4	5	7	7	7
Max. Relative Humidity (%)	70	70	70	70	60
Min. Relative Humidity (%)	50	50	50	50	50
Wind Speed (Kmph)	22	22	22	18	18
Wind Direction	S	S	SW	S	SW

<b>SMS Advisory</b>	Chances of light rain during 1, 2 & 3 July. Maximum temperature would be in the range of 35°C to 36°C and the minimum temperature would be between 24°C - 25°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 18-22 Kmph from, South & Southwest directions.
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**General Advisory:**

**Extended range Forecast for next week (28<sup>th</sup> June to 11<sup>th</sup> July 2024):**

**Rainfall:**

As per extended range predictions, there is possibility of below normal rainfall likely over the district during 28<sup>th</sup> June to 04<sup>th</sup> July 2024.

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 5<sup>th</sup> to 11<sup>th</sup> July 2024.

**Maximum Temperature:**

Maximum temperatures are likely to be near normal and are likely to be in the range 26°C to

Maximum temperatures are likely to be generally normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 5<sup>th</sup> to 11<sup>th</sup> July 2024.

### **Minimum Temperature:**

Minimum temperatures are likely to be near normal and are likely to be in the range 20°C to 24°C over the district during next week 28<sup>th</sup> June to 11<sup>th</sup> July 2024.

Wind with the speed of 18 to 22 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, Chilly & Animal Husbandry)**

#### **Cotton:**

At this stage, the problem of flower and tender pod or square shedding is noticed in the cotton crop.

To avoid this, farmers are advised to go with a foliar spray of TNAU Cotton Plus @ 2.5kg/acre in 200 litres of water during the flowering and at the boll formation stages.

It reduces the flower and square shedding, improves boll bursting, increases seed cotton yield, and imparts the drought tolerance capacity of the crop.

#### **Chilly:**

Due to the prevailing weather conditions, the incense of Leaf curl viral diseases is expected in Chilly crop.

The symptoms of damage appear on leaves, leaves curl towards midrib and become deformed. Stunted plant growth due to shortened internodes and leaves greatly reduced in size. Flower buds abscise before attaining full size.

To avoid further infection, the infected plants should be uprooted and burnt or buried.

Avoid monoculture of chili crops. Raise 2-3 rows of maize or sorghum as a border crop to restrict the spread of aphid vectors.

Spray any one of the following insecticides, Thiamethoxam @ 5gm or Imidachlopride @ 10ml + 10ml sticky agent with 10 litres of water.

#### **Animal Husbandry:**

Due to the prevailing weather condition, Enterotoxaemia disease may affect the Goats. The main symptom of the disease causes sudden death in young growing kids. Mucous diarrhoea may also be seen during death.

To prevent this disease, do not feed on young grass, allow the goat for grazing one hour after the sunshine. Immediately contact the nearest veterinary clinic and vaccinate your animals.