
 <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>10/07/2024</b>	to	
	Bulletin No:	<b>MSSRF/ RMD /055/ 2024</b>	Release Date :	<b>09/07/2024</b>		

<b>Significant past weather</b>	From	<b>05/07/202</b>	to	<b>08/07/202</b>
		<b>4</b>		<b>4</b>
<b>Parameters</b>	<b>Past Weather</b>			
Rainfall (mm)	7.2			
Maximum Temperature (°C)	33-36			
Minimum Temperature (°C)	22-26			
Sky Condition (Octas)	5-7			
Relative Humidity (%)	64-84			
Wind Speed (kmph)	3-10			

**Ensemble Weather Forecast**  
 until **08:30Hrs of 14-07-2024**

Parameters	10-07-	11-07-	12-07-	13-07-	14-07-
	2024	2024	2024	2024	2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	0	0	3	7	4
Maximum Temperature (°C)	36	37	37	36	36
Minimum Temperature (°C)	25	26	26	25	25
Sky Condition (Octa)	5	5	6	8	8
Max. Relative Humidity (%)	60	60	60	70	60
Min. Relative Humidity (%)	40	50	50	50	40
Wind Speed (Kmph)	22	16	16	10	12
Wind Direction	SW	SW	S	S	SW

<b>SMS Advisory</b>	Chances of light rain during 12, 13 & 14 July. Maximum temperature would be in the range of 36°C to 37°C and the minimum temperature would be between 25°C - 26°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 10-22 Kmph from, Southwest & South directions.
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**General Advisory:**

**Extended range Forecast for next week (12<sup>th</sup> to 18<sup>th</sup> July 2024):**

**Rainfall:**

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

**Maximum Temperature:**

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. 12<sup>th</sup> to 18<sup>th</sup> July 2024.

**Minimum Temperature:**

Minimum temperatures are likely to be near normal and are likely to be in the range 24°C to 28°C

### **Agriculture:**

During Aadi pattam (July-August), farmers can soak seed in one percent potassium chloride solution for 6 hours one day before sowing of quality seeds and leave it to dry for 16 hours in the shade before sowing.

Through this seed hardening treatment, the young seedlings get uniform germination capacity and growth.

Also the seedlings emerge and develop into active seedlings.

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

#### **Coconut:**

Due to the prevailing weather conditions, there is a chance for the incidence of Thanjavur wilt disease in coconut crops. The spread of the disease is faster from July to November.

Initial symptoms of Thanjavur Wilt start with yellowing and drooping of the outer whorl of leaves. This is followed by the exudation of reddish brown liquid through cracks at the base of the trunk and oozing spread upwards.

Decaying of tissues at the bleeding point and rotting of the basal portion of the stem.

To control this mix and apply *Pseudomonas fluorescence* @ 200gm + *Phosphobacter* @ 200gm + *Azotobacter* @ 200gm with 50kg of FYM per tree.

Also, mix 5kg of Neem cake with 50kg of FYM per tree and apply it in six-month intervals.

#### **Paddy:**

Farmers planning to transplant Paddy during the Kharif season are advised to take up sowing with 20kg of either Sun hemp or Daincha or Multigrain and do in-situ incorporation within 30 – 45 days after sowing.

Select Daincha as a green manure crop for soil and water having alkaline ph.

#### **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.