
 <b>MSSRF</b> <i>Science for Sustainable Development</i>	<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>Sivagangai</b>	Forecast Period :	<b>10/07/2024</b> to <b>14/07/2024</b>	
	Bulletine No :	<b>MSSRF/SVG / 055/ 2024</b>	Release Date :	<b>09/07/2024</b>	

<b>Significant past weather</b>		<b>From</b>	<b>05/07/202</b> <b>4</b>	<b>to</b>	<b>08/07/202</b> <b>4</b>
<b>Parameters</b>		<b>Past Weather</b>			
Rainfall (mm)		22.2			
Maximum Temperature (°C)		37-40			
Minimum Temperature (°C)		26-27			
Sky Condition (Octas)		5-7			
Relative Humidity (%)		42-75			
Wind Speed (kmph)		8-11			

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

Parameters	10-07-2024	11-07-2024	12-07-2024	13-07-2024	14-07-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	0	0	4	3	1
Maximum Temperature (°C)	38	37	36	36	36
Minimum Temperature (°C)	26	25	25	24	24
Sky Condition (Octas)	7	8	7	8	8
Max. Relative Humidity (%)	70	70	70	70	70
Min. Relative Humidity (%)	50	40	40	50	50
Wind Speed (Kmph)	10	10	10	8	6
Wind Direction	SW	SE	SW	SE	S

<b>SMS</b> <b>Advisory</b>	Chances of light rain on 12 & 13 July. Maximum temperature would be in the range of 36°C to 38°C and the minimum temperature would be between 24°C - 26°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 6-10 Kmph from, Southwest, Southeast & 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 near 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 generally normal and are likely to be in the range 26°C to 32°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 20°C to 24°C over the district during next week 12<sup>th</sup> to 18<sup>th</sup> July 2024.

### **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: (Paddy, Chilly & Animal Husbandry)**

#### **Paddy:**

For the Paddy nursery beds raised in poor quality soil, if seedlings are to be transplanted after 25 days, application of DAP has to be done 10 days prior to Transplanting.

#### **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.