
 <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.kanniwadi@gmail.com">amfu.kanniwadi@gmail.com</a> Fax: 044 – 22541319				
	District :	<b>Sivagangai</b>	Forecast Period :	<b>06/04/2024</b> to <b>10/04/2024</b>	
	Bulletine No :	<b>MSSRF/SVG / 028/ 2024</b>	Release Date :	<b>05/04/2024</b>	

<b>Significant past weather</b> From <b>02/04/2024</b> to <b>04/04/2024</b> 4 to 4														
<table border="1"> <thead> <tr> <th>Parameters</th> <th>Past Weather</th> </tr> </thead> <tbody> <tr> <td>Rainfall (mm)</td> <td>0.0</td> </tr> <tr> <td>Maximum Temperature (°C)</td> <td>39</td> </tr> <tr> <td>Minimum Temperature (°C)</td> <td>26-27</td> </tr> <tr> <td>Sky Condition (Octas)</td> <td>3-5</td> </tr> <tr> <td>Relative Humidity (%)</td> <td>38-77</td> </tr> <tr> <td>Wind Speed (kmph)</td> <td>5-12</td> </tr> </tbody> </table>	Parameters	Past Weather	Rainfall (mm)	0.0	Maximum Temperature (°C)	39	Minimum Temperature (°C)	26-27	Sky Condition (Octas)	3-5	Relative Humidity (%)	38-77	Wind Speed (kmph)	5-12
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**Ensemble Weather Forecast**      **08:30Hrs**  
 until    of      **10-04-2024**

Parameters	06-04-2024	07-04-2024	08-04-2024	09-04-2024	10-04-2024
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	39	39	38	38	39
Minimum Temperature (°C)	27	26	26	27	27
Sky Condition (Octas)	1	3	4	0	3
Max. Relative Humidity (%)	70	70	70	70	80
Min. Relative Humidity (%)	20	20	20	30	30
Wind Speed (Kmph)	14	14	14	16	14
Wind Direction	SE	SE	SE	SE	E

<b>SMS</b> <b>Advisory</b>	Dry weather will prevail for the next 5 days. Maximum temperature would be in the range of 38°C to 39°C and the minimum temperature would be between 26°C - 27°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 14-16 Kmph from, Southeast & East directions.
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### General Advisory:

#### Rainfall:

As per extended range predictions, there is possibility of generally below normal rainfall likely over the district during 05<sup>th</sup> to 11<sup>th</sup> April 2024.

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

#### Maximum Temperature:

Maximum temperatures are likely to be above normal and are likely to be in the range of 38°C to 40°C, over the district from 05<sup>th</sup> to 11<sup>th</sup> April. 2024.

Maximum temperatures are likely to be slightly below normal and are likely to be in the range of 32°C to 36°C over the district from 12<sup>th</sup> to 18<sup>th</sup> April 2024.

### **Minimum Temperature:**

Minimum temperatures are likely to be slightly above normal and are likely to be in the range 20°C to 24°C over the district from 05<sup>th</sup> to 11<sup>th</sup> April 2024.

Minimum temperatures are likely to be slightly below normal and are likely to be in the range 20°C to 24°C over the district from 11<sup>th</sup> to 18<sup>th</sup> April 2024.

### **Livestock:**

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 mixture should be preferred for your cattle.

### **Agriculture:**

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next four days (06.04.2024 to 09.04.2024). Hence farmers are advised to plan their field activities during morning and evening hours and avoid working in the field during 12 noon to 4 Pm. Stay safe and take care. Drink adequate water.

Wind with the speed of 14 to 16 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: (Important Crops: Sugarcane, Chilly & Animal Husbandry)**

#### **Sugarcane:**

The occurrence of mealybug is seen in Sugarcane. Pinkish oval insects beneath leaf sheath on the nodes, with whitish mealy coating.

Main cane stunted also attack roots. Sooty mould develops on the honeydew giving a blackish appearance on canes. Leaf colour changes to yellow.

To control, spray fish oil @100ml and resin soap @ 35ml per 10 litres of water on the infested stem portion.

If the infestation is severe, try the chemical method, spray the compound mixture of Buprofezin + Acephate @ 35gm per 10 litres of water.

#### **Chilly:**

Application of Micronutrients to vegetable crops may give good results.

Farmers are advised to apply micronutrients to the vegetable crops through fertigation or foliar spray during the flowering to fruiting stage.

#### **Animal Husbandry:**

Considering the increase in temperature, provide TANUVAS smart mineral mixture @ 50grams per day per animal.

Also provide adequate hygiene drinking water to your animal, to withstand the prevailing hot conditions.