
 <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>18/05/2024</b> to <b>22/05/2024</b>	
	Bulletine No :	<b>MSSRF/SVG / 040/ 2024</b>	Release Date :	<b>17/05/2024</b>	

<b>Significant past weather</b>		<b>From</b>	<b>14/05/2024</b>	<b>to</b>	<b>16/05/2024</b>
		<b>4</b>		<b>4</b>	
<b>Parameters</b>			<b>Past Weather</b>		
Rainfall (mm)			29.0		
Maximum Temperature (°C)			37-38		
Minimum Temperature (°C)			23-26		
Sky Condition (Octas)			6		
Relative Humidity (%)			61-94		
Wind Speed (kmph)			5-9		

**Ensemble Weather Forecast**      **08:30Hrs**  
 until    of      **22-05-2024**

Parameters	18-05-2024	19-05-2024	20-05-2024	21-05-2024	22-05-2024
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	29	6	27	29	31
Maximum Temperature (°C)	32	30	29	27	27
Minimum Temperature (°C)	26	23	21	21	20
Sky Condition (Octas)	8	8	8	8	8
Max. Relative Humidity (%)	70	80	80	80	90
Min. Relative Humidity (%)	50	50	50	70	80
Wind Speed (Kmph)	12	10	10	12	14
Wind Direction	SW	SW	SW	SW	SW

<b>SMS Advisory</b>	Chances of Moderate rain during 18, 20, 21 & 22 May .Maximum temperature would be in the range of 27°C to 32°C and the minimum temperature would be between 20°C - 26°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 10-14 Kmph from, Southwest direction.
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**General Advisory:**

**Extended range Forecast for next week (17<sup>th</sup> to 30<sup>th</sup> May 2024):**

**Rainfall:**

As per extended range predictions, there is possibility of above normal rainfall likely over the district during 17<sup>th</sup> to 23<sup>th</sup> May 2024.

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 24<sup>th</sup> to 30<sup>th</sup> May 2024.

**Maximum Temperature:**

Maximum temperatures are likely to be below normal to normal and are likely to be in the range 28°C to 32°C over the plains of the district during next week. 17<sup>th</sup> to 23<sup>th</sup> May 2024.

Maximum temperatures are likely to be near normal and are likely to be in the range 30°C to 34°C over the plains of the district during next week. 24<sup>th</sup> to 30<sup>th</sup> May 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 17<sup>th</sup> to 30<sup>th</sup> May 2024.

Heavy rain is likely to occur at isolated places over the district during 18, 20 & 21 May 2024. Farmers are advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rain water. During these days farmers are advised to avoid irrigation, intercultural operations and application of plant protection measures to the standing crops, provide adequate drainage facilities in the fields to avoid water stagnation due to heavy rainfall, do not allow the animals to grazing outside, standing near the trees or electric poles & provide safe shelter.

Thunderstorms & lightning with light to Moderate rain are likely to occur at one or two places over the Tamilnadu during 18 to 22 May 2024. Gusty Wind with a speed of 30 to 40 kmph is expected for the same 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. Do not allow the animals to graze outside, standing near the trees, and don't tie the animals to electric poles. Provide safe shelter.

### **Weather Based Agro-Advisories: (Maize, Lab Lab, Banana, Coconut & Animal Husbandry)**

#### **Maize:**

Due to heavy rainfall, there are chances of water logging. Provide adequate drainage facility. Postpone the intercultural / plant protection activities like fertilizer and pesticide application. Harvest the matured crops immediately and keep the harvested produce in a safe place.

#### **Lab Lab:**

Due to heavy rainfall and wind, there are chances of wear and tear of rusted iron strings and poles. Check and repair structures like Bowers / Pandhals for damages in the strings and poles and provide adequate support.

#### **Banana:**

Due to the heavy rainfall and wind, there are chances of waterlogging and stacking of banana crops. Provide adequate drainage facility and avoid fertilizer and pesticide application. Remove and destroy the decayed and rotten leaves. Provide support to 5-month-old banana trees using wooden poles

#### **Coconut:**

Heavy rainfall is expected in the coming days, coconut growers are advised to safely remove the old and decayed fronds. Provide adequate drainage facilities in the field.

#### **Animal Husbandry:**

To protect your animals from lightning and thunderstorms. Do not allow the animals to graze outside. Don't tie the animals to the electric poles and under trees. Check for aflatoxin contamination in the dry fodder before feeding your cattle.