
 <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>27/04/2024</b> to <b>01/05/2024</b>	
	Bulletine No :	<b>MSSRF/SVG / 034/ 2024</b>	Release Date :	<b>26/04/2024</b>	

<b>Significant past weather</b>		<b>From</b>	<b>23/04/2024</b>	<b>to</b>	<b>25/04/2024</b>
		<b>4</b>		<b>4</b>	
<b>Parameters</b>			<b>Past Weather</b>		
Rainfall (mm)			1.7		
Maximum Temperature (°C)			40-41		
Minimum Temperature (°C)			27		
Sky Condition (Octas)			1-3		
Relative Humidity (%)			39-81		
Wind Speed (kmph)			4-15		

**Ensemble Weather Forecast**      **08:30Hrs**  
 until    of      **01-05-2024**

Parameters	27-04-2024	28-04-2024	29-04-2024	30-04-2024	01-05-2024
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	40	41	41	42	42
Minimum Temperature (°C)	27	28	28	28	27
Sky Condition (Octas)	3	6	2	6	4
Max. Relative Humidity (%)	70	70	70	70	70
Min. Relative Humidity (%)	20	20	20	20	20
Wind Speed (Kmph)	12	10	14	16	18
Wind Direction	SE	SE	SE	S	S

<b>SMS Advisory</b>	Dry weather will prevail for the next 5 days, Maximum temperature would be in the range of 40°C to 42°C and the minimum temperature would be between 27°C - 28°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 10-18 Kmph from, Southeast & South directions.
-------------------------	---

### General Advisory:

Owing to high maximum temperature and moderate wind, more moisture loss is expected and hence, more irrigation should be given to the standing crops.

### Livestock:

Artificial insemination of goats and cows should be done within 9 am or after 4pm due to the high heat of the day.

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:**

As the temperature is expected to increase in the forthcoming days, sucking pest infestation may be prevalent in vegetables, pulses and groundnut crops. Hence, 5% Neem seed kernel extract may be sprayed to control the pest incidence.

Wind with the speed of 12 to 18 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: Paddy, Banana & Animal Husbandry)**

#### **Paddy:**

The incidence of Whorl maggot is expected in paddy. The symptoms show yellowish-white longitudinal marginal blotching with a hole.

Leaves shriveled plant, stunted and drooping of young leaves near the tip.

Remove the alternate hosts from the field, and apply the optimum recommendation of potash fertilizer.

To control spray Buprofezin @ 350 ml/acre.

#### **Banana:**

The incidence of yellow Sigatoka disease can be noticed in Banana, the symptoms are, slight discoloration between the leaf's secondary veins.

Over a while, these points develop into pale yellow streaks, brown streaks, and elliptic necrotic spots arranged parallel to the secondary veins. This disease spread rapidly.

To control this, add 10gms of Pseudomonas Fluorescence + 10gms of Bacillus Subtilis + 10 ml of Panchakavya + 5gms of Jaggery in one litre of water and spray it during the morning or evening hours.

#### **Animal Husbandry:**

Farmers are advised to deworm their goats for Round / Tap Worms for the months of May and June. The deworming should be done in the morning and the goat should be on an empty stomach.