
 <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>19/09/2023</b> to <b>23/09/2023</b>	
	Bulletine No :	<b>MSSRF/SVG / 075/ 2023</b>	Release Date :	<b>18/09/2023</b>	

Significant past weather	From	15/09/2023	to	17/09/2023
Parameters	Past Weather			
Rainfall (mm)	2.8			
Maximum Temperature (°C)	37-39			
Minimum Temperature (°C)	25-26			
Sky Condition (Octas)	4-6			
Relative Humidity (%)	47-72			
Wind Speed (kmph)	5-8			

**Ensemble Weather Forecast until 08:30Hrs of 23-09-2023**

Parameters	19-09-2023	20-09-2023	21-09-2023	22-09-2023	23-09-2023
	Tuesday	Wednesday	Thursday	Friday	Saturday
Rainfall (mm)	5	4	7	7	6
Maximum Temperature (°C)	38	37	37	36	36
Minimum Temperature (°C)	26	25	25	24	24
Sky Condition (Octas)	8	8	7	8	8
Max. Relative Humidity (%)	70	70	70	70	80
Min. Relative Humidity (%)	40	40	40	40	50
Wind Speed (Kmph)	10	10	10	14	14
Wind Direction	S	S	S	S	S

<b>SMS</b> <b>Advisory</b>	Chances of light rain during 19, 20, 21, 22 & 23 Sep. 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 expected with the speed of 10-14 Kmph from, South direction.
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**General Advisory:**

Since cloudy sky with humid weather is prevailing, farmers are advised to use the Blue sticky trap to monitor the aphids, leaf miners and the yellow sticky trap to monitor the incidence of other sucking pests.

Light to Moderate rain with thunderstorm & lightning is likely to occur at one or two places over district during 19<sup>th</sup>, 20<sup>th</sup> 21<sup>st</sup>, & 22<sup>th</sup> September 2023. Farmers are advised to take precautionary measures while grazing/herding the sheep, goat, cow on agriculture land for manuring purpose. Do not allow the animals to graze outside, standing near the trees or electric poles. Provide safe shelter for your livestock. . To safeguard your animals from lightning and thunderstorm, remove the metal bells tied to the necks of animals.

## **Weather Based Agro - Advisories: (Important Crops: Paddy, Onion & Animal Husbandry)**

### **Paddy:**

Since some amount of rainfall is received in the past few days, farmers can plan for sowing/planting, and for the paddy nursery raised in low nutrient soil, it is best to apply the DAP to the seedlings, 10 days before transplanting. Transplanting within 10 days will give good results.

### **Onion:**

The symptom of micronutrient (Zinc) deficiency is appearing in the Onion fields. Due to this deficiency, plant growth gets restricted. Leaves turn yellow in colour with strips and bend. To rectify this deficiency, foliar spray of 50gm of ZnSO<sub>4</sub> twice at fortnight intervals is recommended.

### **Animal Husbandry:**

To protect the livestock from thunderstorms and lightning Farmers are requested to avoid grazing the animals during rains, particularly grazing sheep and goats in the flock which are more prone to lightning shock.

Farmers should avoid tethering animals near barbed wire fencing posts and trees.

Trees near the animal sheds should be pruned to avoid accidental falls during heavy wind.

Further trees like rain trees and vathanarayanan are more prone to uprooting. More chance of lightning near hilly areas and undulated landscapes than in plains.

For fences with wooden poles and metal wires, it is advisable to check the condition of the buried parts at most once in 5 years and do the necessary replacement before the thunderstorm season begins.