
 MSSRF <i>Science for Sustainable Development</i>	AgroMet Advisory Bulletin (AAB) 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: amfu.kannivadi@gmail.com Fax: 044 – 22541319				
	District :	Sivagangai	Forecast Period :	01/11/2023 to 05/11/2023	
	Bulletine No :	MSSRF/SVG / 087/ 2023	Release Date :	31/10/2023	

Significant past weather	From	27/10/2023	to	30/10/2023
Parameters	Past Weather			
Rainfall (mm)	13.4			
Maximum Temperature (°C)	31-34			
Minimum Temperature (°C)	23-25			
Sky Condition (Octas)	4-7			
Relative Humidity (%)	52-93			
Wind Speed (kmph)	4-9			

Ensemble Weather Forecast until 08:30Hrs of 05-11-2023

Parameters	01-11-2023	02-11-2023	03-11-2023	04-11-2023	05-11-2023
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	20	22	10	10	10
Maximum Temperature (°C)	29	29	29	30	30
Minimum Temperature (°C)	23	23	23	24	24
Sky Condition (Octas)	7	7	7	6	6
Max. Relative Humidity (%)	90	90	90	88	88
Min. Relative Humidity (%)	88	88	88	86	86
Wind Speed (Kmph)	6	6	6	5	5
Wind Direction	NE	NE	NE	NE	NE

SMS Advisory	Chances of Moderate rain during 1, 2, 3, 4 & 5 Nov. Maximum temperature would be in the range of 29°C to 30°C and the minimum temperature would be between 23°C - 24°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 5-6 Kmph from, Northeast direction.
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General Advisory:

Since Moderate rainfall is expected for the next five days, 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, inter-cultural 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.

Weather Based Agro - Advisories: (Important Crops: Brinjal, Tomato & Animal Husbandry)

Brinjal:

To manage the pest occurrence in vegetable crop fields, farmers are advised to install a Solar light trap @ 1 No. per acre, Pheromone trap @ 8Nos. per acre and Yellow sticky traps @ 8Nos. per acre. To prevent diseases Trichoderma Viride @1kg per 500kg of farmyard manure can be applied during the last ploughing.

Tomato:

There is a chance of the spread of soil-borne diseases in the tomato crop planted under rain-fed conditions.

To control such diseases, apply biocontrol agents like *Trichoderma viride* and *Pseudomonas fluorescense* each at 5 kg per acre well mixed with adequate farm yard manure.

Animal Husbandry:

To protect the livestock from thunderstorms and lightning, farmers are requested to avoid grazing animals during rains, particularly grazing sheep and goats in flocks 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.