
 MSSRF Science for Sustainable Development	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 :	24/04/2024 to 28/04/2024	
	Bulletine No :	MSSRF/SVG / 033/ 2024	Release Date :	23/04/2024	

Significant past weather	From 18/04/2024 to 22/04/2024
	4 to 4
Parameters	Past Weather
Rainfall (mm)	0.0
Maximum Temperature (°C)	39-41
Minimum Temperature (°C)	27-28
Sky Condition (Octas)	3-5
Relative Humidity (%)	41-88
Wind Speed (kmph)	7-11

Ensemble Weather Forecast 08:30Hrs of 28-04-2024
until

Parameters	24-04-2024	25-04-2024	26-04-2024	27-04-2024	28-04-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	41	42	42	41	41
Minimum Temperature (°C)	27	26	25	26	25
Sky Condition (Octas)	3	1	2	3	4
Max. Relative Humidity (%)	70	70	70	70	70
Min. Relative Humidity (%)	20	20	20	30	30
Wind Speed (Kmph)	12	12	10	12	12
Wind Direction	SE	SE	SE	SE	SE

SMS Advisory	Dry weather will prevail for the next 5 days, Maximum temperature would be in the range of 41°C to 42°C and the minimum temperature would be between 25°C - 27°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 10-12 Kmph from, Southeast direction.
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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:

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 five days (24/04/2024 to 28/04/2024). 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 10 to 12 kmphs 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: Bitter gourd, Banana & Animal Husbandry)

Bitter gourd:

Due to the prevailing weather, condition the incidence of mites is noticed in Bitter gourd. The symptoms are the curling of leaves and the stunted growth of creepers.

To control spray Fermented curd @ 300 ml + Pseudomonas @ 40gm + Coconut water @ 250ml with 10litres of water.

During severe infestation or after 12 days, spray Propargite @ 30ml + sticky agent @ 10ml with 10 litres of water.

Banana:

This is a suitable time for planting bananas. Poovan, Rasthali, Monthan, Karpooravalli and Neipoovan varieties can be planted from February to April months.

The incidence of nematode in these varieties may occur, as a preventive measure, before planting, pre-treat the suckers with press mud application and pare and dip the corm in a solution of 5gm pseudomonas fluorescence, 5gm Trichoderma viride, and 5gm Bacillus, shade dry and plant..

Animal Husbandry:

During the summer season, snails, germs and larvae found in the dry pond water can cause health damage to the cattle, so farmers are advised, not to allow their cattle to drink water from dry/dirty water ponds.