
 MSSRF Science for Sustainable Development	AgroMet Advisory Bulletin (AAB) Jointly released by Regional Meteorology Centre, Chennai – India Meteorology Department, Reddiarchatham Seed Growers Association & M. S. Swaminathan Research Foundation, Kannivadi Phone no.: 044 - 22541229 E mail: amfu.kanniwadi@gmail.com Fax: 044 – 22541319				
	District :	Sivagangai	Forecast Period :	17/04/2024 to 21/04/2024	
	Bulletine No :	MSSRF/SVG / 031/ 2024	Release Date :	16/04/2024	

Significant past weather	From 12/04/2024 to 15/04/2024
	4 to 4
Parameters	Past Weather
Rainfall (mm)	5.2
Maximum Temperature (°C)	35-38
Minimum Temperature (°C)	25-28
Sky Condition (Octas)	4-7
Relative Humidity (%)	41-84
Wind Speed (kmph)	5-10

Ensemble Weather Forecast **08:30Hrs**
until **of** **21-04-2024**

Parameters	17-04-2024	18-04-2024	19-04-2024	20-04-2024	21-04-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	37	37	36	36	35
Minimum Temperature (°C)	26	25	25	24	24
Sky Condition (Octas)	5	6	5	8	7
Max. Relative Humidity (%)	80	70	70	70	70
Min. Relative Humidity (%)	30	30	30	30	20
Wind Speed (Kmph)	12	14	14	16	14
Wind Direction	S	SE	SE	SE	SE

SMS Advisory	Dry weather will prevail for the next 5 days, Maximum temperature would be in the range of 35°C to 37°C and the minimum temperature would be between 24°C - 26°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 12-16 Kmph from, South & Southeast directions.
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General Advisory:

There is a rise in maximum temperature for the forthcoming days, and due to this the soil moisture content may be reduced.

Hence, the horticultural farmers are advised to take up mulching around the root basin of the crop with dried leaves, grass and other farm wastes to retain the soil moisture content.

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 (17.04.2024 to 21.04.2024). 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 12 to 16 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: Sugarcane, Blackgram & Animal Husbandry)

Sugarcane:

Top dressing with fertilizers will give good results in Sugarcane cultivation.

In the case of the lift irrigation belt, apply 225 kg of nitrogen and 112 ½ kg of K₂O per hectare in three equal splits during 30, 60 and 90 days.

Blackgram:

Spray pulse wonder 2 kg/ac in 200 litres of water at the flowering stage. add adequate wetting agent.

Benefits: Decreases flower shedding, Increases yield up to 20 per cent & Increases drought tolerance.

Animal Husbandry:

Proper maintenance of cattle sheds is essential during the prevailing hot weather conditions.

The direction of the sheds should be arranged in such a way that good air is available and at the same time, the heat of the sun does not directly affect the animals.

It is better if the length of the sheds is east-west. Growing trees in areas where there is strong wind will help in reducing wind speed to some extent.