
 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 :	10/04/2024 to 14/04/2024	
	Bulletine No :	MSSRF/SVG / 029/ 2024	Release Date :	09/04/2024	

Significant past weather		From	05/04/202 4	to	08/04/202 4
Parameters		Past Weather			
Rainfall (mm)		0.0			
Maximum Temperature (°C)		39-40			
Minimum Temperature (°C)		26-27			
Sky Condition (Octas)		3-4			
Relative Humidity (%)		30-79			
Wind Speed (kmph)		4-9			

Ensemble Weather Forecast **08:30Hrs**
 until of **14-04-2024**

Parameters	10-04-2024	11-04-2024	12-04-2024	13-04-2024	14-04-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	0	0	0	4	0
Maximum Temperature (°C)	40	40	41	40	40
Minimum Temperature (°C)	27	26	27	26	26
Sky Condition (Octas)	2	1	5	7	7
Max. Relative Humidity (%)	80	70	70	80	80
Min. Relative Humidity (%)	20	20	40	40	30
Wind Speed (Kmph)	12	12	16	16	16
Wind Direction	E	SE	SE	SE	E

SMS Advisory	Chances of light rain on 13 Apr. Maximum temperature would be in the range of 40°C to 41°C and the minimum temperature would be between 26°C - 27°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 12-16 Kmph from, East & Southeast directions.
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General Advisory:

During the summer season, both agricultural and vegetable crops grown for more than 30 to 45 days are prone to nutrient deficiency and pest attack.

To overcome this issue, mix 350ml of Panchakaviyam and 15ml of sticky agent in 10 litres of water and spray it twice at 15 days interval.

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 three days (10.04.2024 to 12.04.2024). 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: Mango, Banana & Animal Husbandry)

Mango:

The mango crop is likely to be affected, due to high temperature stress.

To overcome this, foliar spray 500 litres of water to the Mango crop in the evening hours to reduce the impact of high temperature.

Banana:

Prevailing weather is conducive for Sigatoka leaf spot in banana, hence do not irrigate, dry the field.

Remove the affected leaves & burn it.

Spray Propiconazole @ 2gl/lit.

Animal Husbandry:

The ewes does which are ready for mating must be supplemented with leguminous fodder and energy rich fodder along with minerals mixture and vitamins before mating where is called flushing.