
 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 :	Ramanathapuram	Forecast Period :	24/04/2024	to	
	Bulletin No:	MSSRF/ RMD /033/ 2024	Release Date :	23/04/2024		

Significant past weather	From	18/04/2024	to	22/04/2024
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Parameters	Past Weather			
Rainfall (mm)	0.0			
Maximum Temperature (°C)	36-37			
Minimum Temperature (°C)	27-29			
Sky Condition (Octas)	3-6			
Relative Humidity (%)	70-80			
Wind Speed (kmph)	1-9			

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

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)	37	38	37	38	38
Minimum Temperature (°C)	27	27	27	27	27
Sky Condition (Octa)	4	3	3	2	4
Max. Relative Humidity (%)	70	70	70	70	70
Min. Relative Humidity (%)	40	50	50	50	50
Wind Speed (Kmph)	14	12	12	14	16
Wind Direction	SE	SE	SE	SE	S

SMS Advisory	Dry weather will prevail for the next 5 days, Maximum temperature would be in the range of 37°C to 38°C and the minimum temperature would be 27°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 12-16 Kmph from, Southeast & South directions.
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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 12 to 16 kmph is 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: (Chilly, Cotton & Animal Husbandry).

Chilly:

The infestation of Green peach aphids in Chilly. The symptoms are, that plants turn pale with a sticky appearance, and leaves get curled and crinkled, due to honeydew excretion the sooty mould development occurs and also it leads to stunted growth of the plant.

To control this, spray Imidacloprid 17.8 % SL @ 3½ ml per 10 litres of water.

Cotton:

Nutrition disorders may be found in Cotton. In the case of Zinc deficient soils, apply ZnSO₄ @ 50kg/ha as basal or ZnSO₄ 0.5% spray thrice at 45, 60 and 75 DAS.

When reddening occurs in leaves apply 5% MgSO₄, Urea (1%) and ZnSO₄ (0.10%) as a foliar spray on the 50th and 80th day to correct this malady.

In Mg deficient areas apply MgSO₄ @ 20 kg/ha basally. Need-based foliar spray of 2% MgSO₄ + 1% Urea during the boll formation stage.

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.