

 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 :	08/05/2024	to	
	Bulletin No:	MSSRF/ RMD /037/ 2024	Release Date :	07/05/2024		

Significant past weather	From	03/05/2024	to	06/05/2024
		4		4
Parameters	Past Weather			
Rainfall (mm)	0.0			
Maximum Temperature (°C)	36-37			
Minimum Temperature (°C)	28-29			
Sky Condition (Octas)	3-6			
Relative Humidity (%)	66-82			
Wind Speed (kmph)	6-13			

Ensemble Weather Forecast
until **08:30Hrs of 12-05-2024**

Parameters	08-05-2024	09-05-2024	10-05-2024	11-05-2024	12-05-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	0	3	0	2	3
Maximum Temperature (°C)	37	37	36	36	36
Minimum Temperature (°C)	29	28	27	27	28
Sky Condition (Octa)	4	8	8	8	8
Max. Relative Humidity (%)	70	70	70	80	70
Min. Relative Humidity (%)	40	50	50	50	50
Wind Speed (Kmph)	18	20	20	20	22
Wind Direction	S	SE	S	S	S

SMS Advisory	Chances of light rain on 9 May. Maximum temperature would be in the range of 40°C to 43°C and the minimum temperature would be between 26°C - 29°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 10-20 Kmph from, Southeast & South directions.
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General Advisory:

Thunderstorms & lightning with light to Moderate rain are likely to occur at one or two places over the Tamilnadu during 08 & 09 May 2024. Gusty Wind with a speed of 30 to 40 kmph is expected for the same 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. Do not allow the animals to graze outside, standing near the trees, and don't tie the animals to electric poles. Provide safe shelter.

Wind with the speed of 18 to 22 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

Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next two days (08.05.2024 & 09.05.2024). 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.

Weather Based Agro-Advisories: (Cotton, Paddy & Animal Husbandry).

Cotton:

At this stage, nutrition disorders may be found in Cotton. In case of Zinc deficient soils, 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 (1.0%) and ZnSO₄ (0.10%) as a foliar spray on the 50th and 80th day to correct this malady.

In Magnesium deficient areas apply MgSo₄ @ 20 kg/ha basally. Need-based foliar spray of 2% MgSo₄ + 1% Urea during the boll formation stage is also recommended.

Paddy:

Due to the prevailing weather conditions, the incense of Bacterial Leaf Blight may be noticed in paddy. The symptoms appear during the 3rd - 4th week of planting. Seedling wilt or kresek. Lesions turn yellow to white as the disease advances.

To avoid this, as a preventive measure, seed treatment should be done with the bio-input Pseudomonas.

Spray fresh cow dung extract @ 20% twice (starting from the initial appearance of the disease and another at fortnight intervals) and

Neem oil 60 EC @ 3% (or) NSKE @ 5% is recommended for the control of sheath rot, sheath blight, grain discolouration and bacterial blight.

Animal Husbandry:

Some amount of rainfall has been received during the recent days. This situation is favourable for the development of Aflatoxin infection in the Corn kernels and Paddy Straw, which may affect the health of your cattle.

To avoid this infection, check carefully and dry the Corn kernels and Paddy Straw before feeding.