

 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 :	01/05/2024	to	
	Bulletin No:	MSSRF/ RMD /035/ 2024	Release Date :	30/04/2024		

Significant past weather	From 26/04/2024 to 29/04/2024
	4 to 4
Parameters	Past Weather
Rainfall (mm)	0.0
Maximum Temperature (°C)	36-37
Minimum Temperature (°C)	26-29
Sky Condition (Octas)	3-6
Relative Humidity (%)	52-75
Wind Speed (kmph)	0-9

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

Parameters	01-05-2024	02-05-2024	03-05-2024	04-05-2024	05-05-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	37	38	38	38	38
Minimum Temperature (°C)	29	28	28	28	27
Sky Condition (Octa)	5	5	4	3	0
Max. Relative Humidity (%)	70	70	80	70	70
Min. Relative Humidity (%)	40	40	50	40	40
Wind Speed (Kmph)	20	22	22	24	22
Wind Direction	S	S	S	S	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 between 27°C - 29°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 20-24 Kmph from, South 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:

Artificial insemination of goats and cows should be done within 9 am or after 4pm due to the high heat of the day.

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

Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next five days (01.05.2024 to 05.05.2024). 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.

Wind with the speed of 20 to 24 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: (Brinjal, Chilly & Animal Husbandry).

Brinjal:

To increase the yield of Brinjal, give foliar spraying with vegetable booster @ 5 gram/litre along with sticking agent in 15-day intervals after 30 days of planting.

Chilly:

Dry weather with high day temperatures is favorable for the incidence of Thrips in Chilli crop. The damage symptoms are infested leaves crinkling and curling upwards, and the flower buds become brittle and drop down.

Early-stage infestation leads to stunted growth and a reduction in flower production and fruit setting.

If symptoms are observed in the field, spray any one of the chemicals. Fipronil 5 SC @ 300 ml/acre or Imidacloprid 17.8 SL @ 60 ml/acre or Spinetoram 11.7 SC @ 200 ml/acre.

Animal Husbandry:

Livestock can be treated with summer feed mixed with 40 g of mineral salt, 50 g of dry yeast or 150 g of sodium bicarbonate.

This reduces the heat dissipation that appears in dairy cows and increases the amount of milk and fat and non-fat solids in the milk.