

AgroMet Advisory Bulletin (AAB)

Jointly released by

Regional Meteorology Centre, Chennai - India Meteorology Department,

Reddiarchathram Seed Growers Association &

M. S. Swaminathan Research Foundation, Kannivadi



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District :	Madurai	Forecast Period :	01/05/2024	to	05/05/2024			
Bulletine No :	MSSRF/ MDU / 035/ 2024	Release Date :	30/04/2024					

Significant past weather From	26/04/202 29/04/202 m to 4 4			
Parameters	Past Weather			
Rainfall (mm)	0.0			
Maximum Temperature (°C)	39-40			
Minimum Temperature (°C)	26-28			
Sky Condition (Octas)	3-5			
Relative Humidity (%)	35-72			
Wind Speed (kmph)	9-14			

Ensemble Weather Forecast 08:30Hrs

05-05-2024

until	of	05-05-2024			
		02-05-		04-05-	05-05-
Parameters	01-05-2024	2024	03-05-2024	2024	2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	1	1	0	1	1
Maximum Temperature (°C)	40	41	41	41	40
Minimum Temperature (°C)	28	28	27	27	27
Sky Condition (Octas)	5	4	2	6	3
Max. Relative Humidity (%)	70	70	70	70	70
Min. Relative Humidity (%)	20	20	30	30	20
Wind Speed (Kmph)	10	10	14	8	10
Wind Direction	S	SE	SE	SE	S

SMS	Chances of very light rain during 1, 2, 4 & 5 May. Maximum temperature would be in the range of 40°C to 41°C and the minimum temperature would be between 27°C -		
Advisory	28°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 8-14 Kmph from, South & Southeast directions.		

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 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 (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 8 to 14 kmphis 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: (Sesame, Coconut & Animal Husbandry).

Sesame:

The incidence of Leaf Webber / roller and capsule borer is expected in Sesame Crop. In the early stage of infestation, the larvae feed inside the leaf and infested shoots stop growing.

At flowering, larvae feed inside the flowers, and on capsule formation, larvae bore into the capsule and feed on developing seeds.

To control spray Neem oil @ 40ml + Sticky agent @ 10ml with 10litres of water.

Coconut:

Kind attention to Coconut farmers. Button shedding is noticed in coconut fields.

To control button shedding, farmers are advised to go with the root feeding of Coconut Tonic of TNAU @ 200ml/Tree. This can be continued at 6 monthly intervals.

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.