
 <p>MSSRF Science for Sustainable Development</p>	<p>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.kanniwadi@gmail.com Fax: 044 – 22541319</p>						
	District :	Madurai	Forecast Period :	06/04/2024		to	10/04/2024
	Bulletine No :	MSSRF/ MDU / 028/ 2024	Release Date :	05/04/2024			

Significant past weather	From	02/04/202	to	04/04/202
		4		4
Parameters	Past Weather			
Rainfall (mm)	0.0			
Maximum Temperature (°C)	39			
Minimum Temperature (°C)	26-27			
Sky Condition (Octas)	3-5			
Relative Humidity (%)	38-77			
Wind Speed (kmph)	5-12			

Ensemble Weather Forecast **08:30Hrs**
until of **10-04-2024**

Parameters	06-04-2024	07-04-2024	08-04-2024	09-04-2024	10-04-2024
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	39	39	38	38	39
Minimum Temperature (°C)	27	26	26	27	27
Sky Condition (Octas)	1	3	4	0	3
Max. Relative Humidity (%)	70	70	70	70	80
Min. Relative Humidity (%)	20	20	20	30	30
Wind Speed (Kmph)	8	8	10	12	10
Wind Direction	SE	SE	SE	SE	E

SMS Advisory	<p>Dry weather will prevail for the next 5 days. Maximum temperature would be in the range of 38°C to 39°C and the minimum temperature would be between 26°C - 27°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 8-12 Kmph from, Southeast & East directions.</p>
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General Advisory:

Rainfall:

As per extended range predictions, there is possibility of generally below normal rainfall likely over the district during 05th to 11th April 2024.

As per extended range predictions, there is possibility of near normal to below normal rainfall likely over the district during 12th to 18th April 2024.

Maximum Temperature:

Maximum temperatures are likely to be above normal and are likely to be in the range of 38°C to 40°C, over the district from 05th to 11th April. 2024.

Maximum temperatures are likely to be slightly below normal and are likely to be in the range of 32°C to 36°C, over the district from 12th to 18th April 2024.

Minimum Temperature:

Minimum temperatures are likely to be slightly above normal and are likely to be in the range 20°C to 24°C over the district from 05th to 11th April 2024.

Minimum temperatures are likely to be slightly below normal and are likely to be in the range 20°C to 24°C over the district from 11th to 18th April 2024.

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 four days (06.04.2024 to 09.04.2024). 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.

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

Paddy:

The incense of Rice horned caterpillar noticed in Paddy. The Larva feeds on leaf blades of rice. Leaves are defoliated from the margin or tip irregularly.

To control this, drain the excess water from the field.

To manage this pest, foliar spray of Emamectin Benzoate @ 6gms per tank or Flubendiamide @ 20ml per acre is recommended.

Jasmine:

There are chances of nematode infection in Jasmine fields.

Farmers are advised to test the soil for nematode infection.

The infestation leads to the yellowing of leaf colour and ultimately drying.

To control this, apply Paecilomyces lilacinus @ 4 Kg per acre near the root zone and then irrigate the field.

Animal Husbandry:

Considering the increase in temperature, provide TANUVAS smart mineral mixture @ 50grams per day per animal.

Also provide adequate hygiene drinking water to your animal, to withstand the prevailing hot conditions.