
 <b>MSSRF</b> <small>Science for Sustainable Development</small>	<b>AgroMet Advisory Bulletin (AAB)</b> 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: <a href="mailto:amfu.kanniwadi@gmail.com">amfu.kanniwadi@gmail.com</a> Fax: 044 – 22541319				
	District :	<b>Theni</b>	Forecast Period :	<b>05/08/2023</b> to <b>09/08/2023</b>	
	Bulletine No :	<b>MSSRF/ THN/ 062/ 2023</b>	Release Date :	<b>04/08/2023</b>	

Significant past weather		From	01/08/2023	to	03/08/2023
Parameters	Past Weather				
Rainfall (mm)	0.0				
Maximum Temperature (°C)	40-41				
Minimum Temperature (°C)	25-26				
Sky Condition (Octas)	2-5				
Relative Humidity (%)	32-54				
Wind Speed (kmph)	13-14				

**Ensemble Weather Forecast until 08:30Hrs of 09-08-2023**

Parameters	05-08-2023	06-08-2023	07-08-2023	08-08-2023	09-08-2023
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	1	2	2	2	0
Maximum Temperature (°C)	40	39	38	38	37
Minimum Temperature (°C)	25	24	24	23	23
Sky Condition (Octas)	8	5	7	8	8
Max. Relative Humidity (%)	60	70	70	70	70
Min. Relative Humidity (%)	30	40	40	40	30
Wind Speed (Kmph)	10	12	12	12	10
Wind Direction	W	W	W	SW	W

<b>SMS</b> <b>Advisory</b>	Chances of light rain during 5, 6, 7 & 8 Aug. Maximum temperature would be in the range of 37°C to 40°C and the minimum temperature would be between 23°C - 25°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 10-12 Kmph from, Northwest & Southwest directions
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**General Advisory:**

**Extended range Forecast for next week (04<sup>th</sup> – 10<sup>th</sup> Aug 2023):**

**Rainfall:**

As per extended range predictions, there is possibility of generally near normal to slightly above normal rainfall likely over the district during 04<sup>th</sup> to 10<sup>th</sup> August 2023.

**Maximum Temperature:**

Maximum temperatures is likely to be near normal to slightly above normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 04<sup>th</sup> to 10<sup>th</sup> August 2023.

**Minimum Temperature:**

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 20°C to 24°C over the district during next week 04<sup>th</sup> to 10<sup>th</sup> August 2023.

Owing to high maximum temperature and moderate wind, more moisture loss will be expected and hence, more irrigation should be given to the standing crops.

Wind with the speed of 10 to 12 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: (Brinjal, Coconut & Animal Husbandry)**

##### **Brinjal:**

The infestation of Leaf spot disease is noticed in Brinjal plants. This disease normally occurs during the monsoon period and during cloudy days. Spreading of this disease can be controlled by spraying the bio-inputs *Pseudomonas fluorescense*, and *Bacillus subtilis* @ each 10ml or 10gm per litre of water. By using the chemical method spray Chlorothalonil @ 30gm per 10 litres 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:**

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 minutes. Ensure adequate round-the-clock drinking water for animals, which should be provided under shade. Feeding should be practiced during the early morning, evening & night. Prefer grazing during early morning & late evening hours to avoid the scorching heat.