
 <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.kannivadi@gmail.com">amfu.kannivadi@gmail.com</a> Fax: 044 – 22541319						
	District :	<b>Theni</b>	Forecast Period :	<b>20/07/2024</b>	to		<b>24/07/2024</b>
	Bulletine No :	<b>MSSRF/ THN/ 058/ 2024</b>	Release Date :	<b>19/07/2024</b>			

Significant past weather	From	16/07/202	to	18/07/202
		4		4
Parameters	Past Weather			
Rainfall (mm)	31.6			
Maximum Temperature (°C)	35-36			
Minimum Temperature (°C)	25-28			
Sky Condition (Octas)	7			
Relative Humidity (%)	55-75			
Wind Speed (kmph)	10-14			

**Ensemble Weather Forecast**      **08:30Hrs of 24-07-2024**  
 until

Parameters	20-07-2024	21-07-2024	22-07-2024	23-07-2024	24-07-2024
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	50	15	8	4	5
Maximum Temperature (°C)	34	34	34	35	35
Minimum Temperature (°C)	27	27	27	28	28
Sky Condition (Octas)	5	5	6	6	6
Max. Relative Humidity (%)	65	65	58	58	58
Min. Relative Humidity (%)	54	54	55	55	55
Wind Speed (Kmph)	25	22	20	15	12
Wind Direction	W	W	W	W	W

<b>SMS Advisory</b>	Chances of Rather heavy rain on 20 Jul & light to Moderate rain during 21, 22, 23, 24 Jul. Maximum temperature would be in the range of 34°C to 35°C and the minimum temperature would be between 27°C - 28°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 12 – 25 Kmph from, West direction.
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**General Advisory:**

**Extended range Forecast for next week (19<sup>th</sup> July to 01<sup>st</sup> August 2024):**

**Rainfall:**

As per extended range predictions, there is possibility of normal to slightly above normal rainfall likely over the district during 19<sup>th</sup> to 25<sup>th</sup> July 2024.

As per extended range predictions, there is possibility of near normal to slightly below normal rainfall likely over the district during 26<sup>th</sup> July to 01<sup>st</sup> August 2024.

**Maximum Temperature:**

Maximum temperatures are likely to be near normal to slightly below normal and are likely to be in the range 26°C to 30°C over the plains of the district during next week. 19<sup>th</sup> to 25<sup>th</sup> July 2024.

Maximum temperatures are likely to be near normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 26<sup>th</sup> July to 01<sup>st</sup> August 2024.

### **Minimum Temperature:**

Minimum temperatures are likely to be near normal and are likely to be in the range 18°C to 22°C over the district during next week 19<sup>th</sup> to 25<sup>th</sup> July 2024.

Minimum temperatures are likely to be near normal and are likely to be in the range 20°C to 22°C over the district during next week 26<sup>th</sup> July to 01<sup>st</sup> August 2024.

### **Agriculture:**

Wind with the speed of 12 to 25 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.

Farmers are advised to get ready for sowing and planting of horticultural crops, such as Chillies, Brinjal, Snake gourd, Banana and other perennial crops during this season (Aadipattam).

Heavy rain is likely to occur at isolated places over the district on 20 July 2024. Farmers are advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rain water. During these days farmers are advised to avoid irrigation, intercultural operations and application of plant protection measures to the standing crops, provide adequate drainage facilities in the fields to avoid water stagnation due to heavy rainfall, do not allow the animals to graze outside, standing near the trees or electric poles & provide safe shelter.

### **Weather Based Agro-Advisories: (Tomato, Bhendi & Animal Husbandry)**

#### **Tomato:**

The incidence of Thrips noticed in Tomato fields. The symptoms are silvery streaks on the leaf surface, pre-mature dropping of flowers & bud necrosis.

Thrips are the vector of tomato spotted wilt virus. To manage and control this uproot the diseased plants and destroy them.

Fix yellow sticky traps @ 15 Nos./ha and spray Thiomethoxam @ 50gm/acre.

#### **Bhendi:**

The incidence of Leaf roller in Bhendi. The symptoms of the damage are the caterpillar rolling the leaves, scrapping the chlorophyll content and feeding inside and defoliating.

Collect and destroy rolled leaves.

Spray Neem Oil @ 60ml per 10 litres of water + Sticky Agent @ 10ml or spray Azadirachtin 0.03% WSP (300 ppm) 5g/lit or spray Emamectin benzoate 5% SG @ 10g/ Tank.

#### **Animal Husbandry:**

Due to the prevailing weather condition, there are chances for infection of external parasites in goats and sheep.

To remove and control the parasites, Mix 2ml of Butox in one litre of water and apply this Butox solution externally on your sheep & goats.

This solution is only for external use not for internal purposes.