
 <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>10/04/2024</b>	to		<b>14/04/2024</b>
	Bulletine No :	<b>MSSRF/ THN/ 029/ 2024</b>	Release Date :	<b>09/04/2024</b>			

<b>Significant past weather</b>	<b>From</b>	<b>05/04/202</b>	<b>to</b>	<b>08/04/202</b>
		<b>4</b>		<b>4</b>
<b>Parameters</b>	<b>Past Weather</b>			
Rainfall (mm)	0.0			
Maximum Temperature (°C)	39-40			
Minimum Temperature (°C)	26-27			
Sky Condition (Octas)	3-4			
Relative Humidity (%)	30-79			
Wind Speed (kmph)	4-9			

**Ensemble Weather Forecast**  
 until **08:30Hrs of 14-04-2024**

Parameters	10-04-2024	11-04-2024	12-04-2024	13-04-2024	14-04-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	0	0	0	2	1
Maximum Temperature (°C)	36	37	37	37	36
Minimum Temperature (°C)	23	23	24	23	23
Sky Condition (Octas)	2	1	3	6	5
Max. Relative Humidity (%)	70	70	70	80	80
Min. Relative Humidity (%)	20	20	40	30	30
Wind Speed (Kmph)	6	6	8	6	8
Wind Direction	E	E	E	E	E

<b>SMS Advisory</b>	Chances of very light rain on 13 & 14 Apr. Maximum temperature would be in the range of 36°C to 37°C and the minimum temperature would be between 23°C - 24°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 6-8 Kmph from, East direction.
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**General Advisory:**

During the summer season, both agricultural and vegetable crops grown for more than 30 to 45 days are prone to nutrient deficiency and pest attack.

To overcome this issue, mix 350ml of Panchakaviyam and 15ml of sticky agent in 10 litres of water and spray it twice at 15 days interval.

**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 three days (10.04.2024 to 12.04.2024). 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: (Drumstick, Groundnut & Animal Husbandry)**

#### **Drumstick:**

The prevailing hot weather condition is favorable for fruit fly incidence in drumstick crop.

To control the above pest, farmers can spray 5% Neem Seed Kernel Extract.

#### **Groundnut:**

In areas where water is scarce at the time of flowering, spraying 0.5 per cent potassium chloride on the groundnut crop during flowering and fruit formation will reduce water retention.

#### **Animal Husbandry:**

The ewes does which are ready for mating must be supplemented with leguminous fodder and energy rich fodder along with minerals mixture and vitamins before mating where is called flushing.