
 <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>17/04/2024</b> to <b>21/04/2024</b>	
	Bulletine No :	<b>MSSRF/ THN/ 031/ 2024</b>	Release Date :	<b>16/04/2024</b>	

Significant past weather	From	12/04/202	to	15/04/202
		4		4
Parameters	Past Weather			
Rainfall (mm)	12.4			
Maximum Temperature (°C)	35-38			
Minimum Temperature (°C)	25-28			
Sky Condition (Octas)	4-7			
Relative Humidity (%)	41-84			
Wind Speed (kmph)	5-10			

**Ensemble Weather Forecast** 08:30Hrs of **21-04-2024**  
until

Parameters	17-04-2024	18-04-2024	19-04-2024	20-04-2024	21-04-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	0	1	2	1	0
Maximum Temperature (°C)	34	34	33	33	33
Minimum Temperature (°C)	22	23	22	23	23
Sky Condition (Octas)	5	4	3	6	5
Max. Relative Humidity (%)	80	80	70	80	80
Min. Relative Humidity (%)	20	30	30	20	20
Wind Speed (Kmph)	6	6	6	8	8
Wind Direction	SE	W	W	SE	SE

<b>SMS Advisory</b>	Chances of very light rain during 18, 19 & 20 Apr. Maximum temperature would be in the range of 33°C to 34°C and the minimum temperature would be between 22°C - 23°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 6-8 Kmph from, Southeast & West directions.
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**General Advisory:**

There is a rise in maximum temperature for the forthcoming days, and due to this the soil moisture content may be reduced.

Hence, the horticultural farmers are advised to take up mulching around the root basin of the crop with dried leaves, grass and other farm wastes to retain the soil moisture content.

**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 five days (17.04.2024 to 21.04.2024). 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: (Banana, Brinjaj & Animal Husbandry)**

#### **Banana:**

It is important to apply micronutrients to Banana crops planted in garden land, spraying of Plantozyme @ 2ml/litre of water is recommended.

Similarly, Acid lime and Zinc Sulphate @ 5gm/litre of water can also be sprayed at this stage.

#### **Brinjaj:**

Higher temperature along with higher relative humidity favours the incidence of red spider mites.

To manage red spider mite spray wettable sulphur 80WG @ 40g per acre or Proparkite 57 EC at 400 ml per acre.

#### **Animal Husbandry:**

Proper maintenance of cattle sheds is essential during the prevailing hot weather conditions.

The direction of the sheds should be arranged in such a way that good air is available and at the same time, the heat of the sun does not directly affect the animals.

It is better if the length of the sheds is east-west. Growing trees in areas where there is strong wind will help in reducing wind speed to some extent.