

 <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>16/03/2024</b> to <b>20/03/2024</b>	
	Bulletine No :	<b>MSSRF/ THN/ 022/ 2024</b>	Release Date :	<b>15/03/2024</b>	

Significant past weather	From	12/03/202	to	14/03/202
		4		4
Parameters	Past Weather			
Rainfall (mm)	0.0			
Maximum Temperature (°C)	37-38			
Minimum Temperature (°C)	23			
Sky Condition (Octas)	1-2			
Relative Humidity (%)	28-80			
Wind Speed (kmph)	4-7			

**Ensemble Weather Forecast** 08:30Hrs of **20-03-2024**  
 until

Parameters	16-03-2024	17-03-2024	18-03-2024	19-03-2024	20-03-2024
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	30	29	29	30	29
Minimum Temperature (°C)	19	20	19	20	20
Sky Condition (Octas)	0	0	0	0	0
Max. Relative Humidity (%)	80	60	60	60	60
Min. Relative Humidity (%)	20	20	20	20	20
Wind Speed (Kmph)	6	6	6	6	6
Wind Direction	E	E	E	E	E

<b>SMS</b> <b>Advisory</b>	Dry weather will prevail for the next 5 days. Maximum temperature would be in the range of 29°C to 30°C and the minimum temperature would be between 19°C-20°C. Clear sky will appear for the next five days. Wind is expected with the speed of 6 Kmph from, East direction.
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**General Advisory:**

**Livestock:**

Maximum temperature is likely to increase by 1 to 2 degree Celsius above normal over the Tamilnadu for next three days.(16.03.2024 to 18.03.2024).

To protect your animal, ensure the increased mineral supplementation to the animals during hot weather to meet the increased demand for minerals.

Potassium-rich mineral mixture should be preferred for your cattle.

During the daytime, cover the sides of the cow shed with wet gunny bags.

Animals can be fed drinking water @ 80 – 100 litres per day per animal in four splits.

## **Agriculture:**

Spraying in agriculture fields should be done only during the early morning or evening hours. Based on the soil moisture condition of the field, farmers can provide irrigation to their crops.

### **Weather Based Agro-Advisories: (Banana, Sugarcane & Animal Husbandry)**

#### **Banana:**

The incense of Fusarium wilt disease noticed in Banana. The first obvious signs of the disease in most of the varieties are wilting, a light yellow colouring of the lower leaves, most prominent around the margins, they eventually turn into bright yellow colour with dead leaf margins.

To avoid this, follow the crop rotation practices.

To control this, apply 2kg of Farm yard manure + Trichoderma viride @ 40gm + Pseudomonas @ 40gm + Neem Cake @ 200gm, mix thoroughly and apply ½ feet away from the root portion of sucker.

#### **Lemon:**

Due to the prevailing weather conditions, the incense of Fruit sucking moth is expected in Acid lime.

Keep the field clean without weeds. Also bag the fruits with polythene bags punctured at the bottom.

To control, spray Neem oil @ 60ml per 10 litres of water along with 10ml sticky agent. Spray two times in 10 days intervals.

Setup pheromone traps, in a 5-litre bucket, filled with 2 kg Rice bran + 3litre of water + 2 well rotten Banana + 2 pieces of Pineapple + 100gm Jaggery + 100ml well-fermented curd and place 2 traps per acre.

Light traps can also be used to attract and kill moths.

#### **Animal Husbandry:**

Due to the prevailing hot weather conditions, it is very important to maintain the cow shed properly.

A Cow shed should be kept with a good ventilation facility.

Protect our animals from direct sunlight.

Wet jute/gunny bags can be kept laterally in the shed.