
 <b>MSSRF</b> Science for Sustainable Development	<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>Dindigul</b>	Forecast Period :	<b>16/03/2024</b> to <b>20/03/2024</b>	
	Bulletin No:	<b>MSSRF/ DGL /022/ 2024</b>	Release Date :	<b>15/03/2024</b>	

<b>Significant past weather</b>	From <b>12/03/2024</b> to <b>14/03/2024</b>
	4 to 4
<b>Parameters</b>	<b>Past Weather</b>
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**  
 until **08:30Hrs of 20-03-2024**

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)	39	39	38	38	39
Minimum Temperature (°C)	26	25	25	26	26
Sky Condition (Octa)	0	0	0	0	0
Max. Relative Humidity (%)	80	60	60	60	60
Min. Relative Humidity (%)	20	20	20	20	20
Wind Speed (Kmph)	10	8	8	8	6
Wind Direction	SE	SE	SE	SE	SE

<b>SMS Advisory</b>	Dry weather will prevail for the next 5 days. Maximum temperature would be in the range of 38°C to 39°C and the minimum temperature would be between 25°C - 26°C. Clear sky will appear for the next five days. Wind is expected with the speed of 6-10 Kmph from, Southeast 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: (Papaya, Coconut & Animal Husbandry).**

#### **Papaya:**

The incense of Green peach aphids in Papaya. The symptoms are nymphs and adults suck the sap from leaves, petioles and fruits. Due to this leaf curling and falling of premature fruit will happen.

To control this, remove and destroy damaged plant parts.

Release parasitoids *Aphelinus mali* and predator *Coccinella septempunctata* in the field. And spray Acetamiprid @ 6gms per 10 litre of water.

#### **Coconut:**

The incense of Mealy Bug is noticed in Coconut. Mealybugs colonize on all the tender plant parts like bases of spear leaf, spadix and inflorescence and beneath the perianth of the nut. As a result, the leaves become highly stunted, suppressed, deformed and present a crinkled appearance.

Mealybugs infest the unopened heartleaf and inflorescence. It feeds plant sap. Leaves are yellowing and dry up. Button mealy bugs colonize under the perianth lobes of tender nuts. Infested nuts harbouring gravid mealy bugs remain on the spadix, which serves as inoculum for further spread.

Remove leaflets harbouring these insects and destroy them.

To manage the mealy bug spray Neem Oil @ 1 litre per acre with sticky agent @ 100ml/acre.

#### **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.