
 <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>Pudukkottai</b>	Forecast Period :	<b>27/04/2024</b>	to	
	Bulletin No:	<b>MSSRF/ PDK /034/ 2024</b>	Release Date :	<b>26/04/2024</b>		

<b>Significant past weather</b>	From <b>23/04/2024</b> to <b>25/04/2024</b>
	4 to 4
<b>Parameters</b>	<b>Past Weather</b>
Rainfall (mm)	0.0
Maximum Temperature (°C)	40-41
Minimum Temperature (°C)	27-28
Sky Condition (Octas)	3-4
Relative Humidity (%)	30-70
Wind Speed (kmph)	4-11

**Ensemble Weather Forecast**  
until **08:30Hrs of 01-05-2024**

Parameters	27-04-2024	28-04-2024	29-04-2024	30-04-2024	01-05-2024
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	41	41	42	42	42
Minimum Temperature (°C)	28	29	29	29	29
Sky Condition (Octa)	2	3	2	5	3
Max. Relative Humidity (%)	80	80	80	80	60
Min. Relative Humidity (%)	20	20	20	20	20
Wind Speed (Kmph)	12	14	14	16	18
Wind Direction	SE	SE	SE	S	S

<b>SMS Advisory</b>	Dry weather will prevail for the next 5 days, Maximum temperature would be in the range of 41°C to 42°C and the minimum temperature would be between 28°C - 29°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 12-18 Kmph from, Southeast & South directions.
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**General Advisory:**

Owing to high maximum temperature and moderate wind, more moisture loss is expected and hence, more irrigation should be given to the standing crops.

**Livestock:**

Artificial insemination of goats and cows should be done within 9 am or after 4pm due to the high heat of the day.

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

### **Agriculture:**

As the temperature is expected to increase in the forthcoming days, sucking pest infestation may be prevalent in vegetables, pulses and groundnut crops. Hence, 5% Neem seed kernel extract may be sprayed to control the pest incidence.

Wind with the speed of 12 to 18 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.

### **Weather Based Agro-Advisories: (Brinjal, Moringa & Animal Husbandry).**

#### **Brinjal:**

To increase the yield of Brinjal, give foliar spraying with vegetable booster @ 5 gram/litre along with sticking agent in 15-day intervals after 30 days of planting.

#### **Moringa:**

Due to the high maximum temperature, there is a chance of the incidence of Pod flies in the Moringa field. The symptoms are drying and splitting of fruits from the tip and oozing of gummy exudate from fruit.

Collect and destroy all the fallen and damaged fruits.

Use attractants like citronella oil, eucalyptus oil, vinegar (Acetic acid), dextrose, or lactic acid.

Set up pheromone traps at 7Nos./Acre.

Spray insecticides like Nimbecidine @ 3ml/litre at the time of 50% fruit set and 35 days later,

Spraying should be done only during the early morning or evening hours.

#### **Animal Husbandry:**

Farmers are advised to deworm their goats for Round / Tap Worms for the months of May and June. The deworming should be done in the morning and the goat should be on an empty stomach.