
 <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>Ramanathapuram</b>	Forecast Period :	<b>19/04/2024</b>	to	
	Bulletin No:	<b>MSSRF/ RMD /032/ 2024</b>	Release Date :	<b>18/04/2024</b>		

<b>Significant past weather</b>	<b>From</b>	<b>16/04/2024</b>	<b>to</b>	<b>17/04/2024</b>
		<b>4</b>		<b>4</b>
<b>Parameters</b>	<b>Past Weather</b>			
Rainfall (mm)	3.7			
Maximum Temperature (°C)	34-36			
Minimum Temperature (°C)	26-27			
Sky Condition (Octas)	5-6			
Relative Humidity (%)	67-81			
Wind Speed (kmph)	5-6			

**Ensemble Weather Forecast**  
 until **08:30Hrs of 23-04-2024**

<b>Parameters</b>	<b>19-04-2024</b>	<b>20-04-2024</b>	<b>21-04-2024</b>	<b>22-04-2024</b>	<b>23-04-2024</b>
	<b>Friday</b>	<b>Saturday</b>	<b>Sunday</b>	<b>Monday</b>	<b>Tuesday</b>
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	37	38	38	37	37
Minimum Temperature (°C)	27	28	28	27	28
Sky Condition (Octa)	4	4	3	3	4
Max. Relative Humidity (%)	80	70	80	70	80
Min. Relative Humidity (%)	40	40	50	50	50
Wind Speed (Kmph)	22	18	20	20	18
Wind Direction	S	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 37°C to 38°C and the minimum temperature would be between 27°C - 28°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 18-22 Kmph from, South & Southeast 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:**

To protect your animal, ensure the increased mineral supplementation to the animals during hot weather to meet the increased demand of minerals. Potassium rich mineral mixture should be preferred for your cattle. During the daytime, cover the sides of cow shed with wet gunny bags. Animals can be fed with drinking water @ 80 – 100 litres per day per animal in four splits.

**Agriculture:**

In order to overcome the fodder crisis during summer months, farmers are requested to allot 10 per cent of the irrigated land to fodder crops viz., Cumbu Napier Hybrid or any other fodder crops.

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next five days (19.04.2024 to 23.04.2024). 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.

Wind with the speed of 18 to 22 kmphs 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: (Chilly, Jasmine & Animal Husbandry).**

##### **Chilly:**

Prevailing weather there is incense of Gram caterpillar in Chilli cultivated area. The symptoms are early instars feeds on foliage and grown up larvae mainly bore into the fruits. To manage collect and destroy the infected fruits and grown up larvae. Set up pheromone trap with Helilure @ 15Nos. /ha. Release Trichogramma Chilonis 6 times @50,000/ha per week. Spray any one of the following insecticides Flubendiamide 20 WDG @ 6.0 g /10 lit or Novaluron 10 % EC @ 7.5 ml/10 lit.

##### **Jasmine:**

The incense of whitefly noticed in Jasmine fields. The symptoms are nymphs and adults suck the sap from the undersurface of the leaves and the infected leaves turn yellow.

To manage this collect and destroy the infected leaves along with the life stages of insects, Spray 500ml Neem Seed kernel extract (NSKE). (or)

Spray Acetamapride @ 1gm per litre of water.

##### **Animal Husbandry:**

Prevailing weather is favourable for skin infection and disease transmission in livestock. So, contact the nearby veterinarian and take his advice. Animals should not be allowed to walk long distances while grazing. A high amount of green fodder and concentrated feed should be provided to livestock. Increase the feeding frequency of the livestock.