
 <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>23/09/2023</b> to <b>27/09/2023</b>	
	Bulletine No :	<b>MSSRF/ THN/ 076/ 2023</b>	Release Date :	<b>22/09/2023</b>	

Significant past weather		From	18/09/2023	to	21/09/2023
Parameters		Past Weather			
Rainfall (mm)		10.0			
Maximum Temperature (°C)		34-38			
Minimum Temperature (°C)		24-26			
Sky Condition (Octas)		5-8			
Relative Humidity (%)		50-93			
Wind Speed (kmph)		2-7			

Ensemble Weather Forecast until 08:30Hrs of **27-09-2023**

Parameters	23-09-2023	24-09-2023	25-09-2023	26-09-2023	27-09-2023
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	16	5	9	9	8
Maximum Temperature (°C)	32	31	31	31	30
Minimum Temperature (°C)	21	21	20	20	20
Sky Condition (Octas)	6	5	7	8	8
Max. Relative Humidity (%)	80	80	80	80	80
Min. Relative Humidity (%)	50	50	40	50	50
Wind Speed (Kmph)	10	8	6	6	8
Wind Direction	W	W	W	W	W

<b>SMS</b> <b>Advisory</b>	Chances of Moderate rain during 23, 25, 26, 27 Sep & light rain on 24 Sep. Maximum temperature would be in the range of 30°C to 32°C and the minimum temperature would be between 20°C - 21°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 6-10 Kmph from, West direction.
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**General Advisory:**

**Extended range Forecast for next week (22<sup>nd</sup> Sep – 05<sup>th</sup> Oct 2023):**

**Rainfall:**

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 22<sup>nd</sup> to 28<sup>th</sup> September 2023.

As per extended range predictions, there is possibility of generally near normal to above normal rainfall likely over the district during 29<sup>th</sup> Sep to 05<sup>th</sup> October 2023.

**Maximum Temperature:**

Maximum temperatures is likely to be slightly below normal and are likely to be in the range 28°C to 32°C over the plains of the district during next week. 22<sup>nd</sup> to 28<sup>th</sup> September 2023.

Maximum temperatures is likely to be slightly below normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 29<sup>th</sup> September to 05<sup>th</sup> October 2023.

### **Minimum Temperature:**

Minimum temperatures are likely to be near normal and are likely to be in the range 20°C to 24°C over the district during next week 22<sup>nd</sup> to 28<sup>th</sup> September 2023.

Minimum temperatures are likely to be near normal and are likely to be in the range 18°C to 24°C over the district during next week 29<sup>th</sup> September to 05<sup>th</sup> October 2023.

Since cloudy sky with humid weather is prevailing, farmers are advised to use the Blue sticky trap to monitor the aphids, leaf miners and the yellow sticky trap to monitor the incidence of other sucking pests.

Heavy rain is likely to occur at isolated places over the district on 23 September 2023. Farmers are advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rain water. During these days farmers are advised to avoid irrigation, intercultural operations and application of plant protection measures to the standing crops, provide adequate drainage facilities in the fields to avoid water stagnation due to heavy rainfall, do not allow the animals to grazing outside, standing near the trees or electric poles & provide safe shelter.

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

#### **Coconut:**

Kind attention to Coconut farmers. Button shedding is noticed in coconut fields.

To control button shedding, farmers are advised to go with the root feeding of Coconut Tonic of TNAU @ 200ml/Tree.

This can be continued at 6-month intervals.

#### **Banana:**

The incense of Rhizome weevil was noticed in the Banana. It grubs bore into the rhizome and cause the death of the plant.

The presence of dark-coloured tunnels is seen in the rhizomes. Death of unopened pip and withering of outer leaves are the other symptoms.

Apply castor cake @ 250g per pit before planting which prevents infestation.

Soil incorporation with 60-100g of Neem kernel powder or Neem cake application at the time of planting and once after 4 months will reduce pest attacks and give good yield.

Plant protection activities can be done, only on non-rainy days.

#### **Animal Husbandry:**

The utensils used for milking can become grossly contaminated by bacteria on ancillary equipment which must also be cleaned and disinfected effectively.

Refrigerated bulk milk tanks can be cleaned either manually using cold or warm detergent/disinfectant solutions, or for the larger tanks, by automatic, programmed equipment.

In either case, cold water chlorinated (50 ppm) rinse proceeds and follows the washing solution. They should then be stored in the dairy to drain.