
 <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>27/09/2023</b> to <b>01/10/2023</b>	
	Bulletine No :	<b>MSSRF/ THN/ 077/ 2023</b>	Release Date :	<b>26/09/2023</b>	

Significant past weather		From	22/09/2023	to	25/09/2023
Parameters		Past Weather			
Rainfall (mm)		14.4			
Maximum Temperature (°C)		37-38			
Minimum Temperature (°C)		25-26			
Sky Condition (Octas)		4-5			
Relative Humidity (%)		41-79			
Wind Speed (kmph)		5-10			

**Ensemble Weather Forecast until 08:30Hrs of 01-10-2023**

Parameters	27-09-2023	28-09-2023	29-09-2023	30-09-2023	01-10-2023
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	3	3	14	15	15
Maximum Temperature (°C)	30	29	28	28	27
Minimum Temperature (°C)	23	22	21	21	20
Sky Condition (Octas)	6	8	8	8	8
Max. Relative Humidity (%)	70	70	80	80	80
Min. Relative Humidity (%)	40	50	50	50	60
Wind Speed (Kmph)	12	14	12	14	12
Wind Direction	W	W	SW	SW	SW

<b>SMS Advisory</b>	Chances of light rain on 27, 28 Sep & Moderate rain during 29, 30 Sep, 1Oct. Maximum temperature would be in the range of 27°C to 30°C and the minimum temperature would be between 20°C - 23°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 12-14 Kmph from, West & Southwest directions.
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**General Advisory:**

Heavy rain is likely to occur at one or two places over the district on 29 Sep & 1 October 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, inter-cultural 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.

Wind with the speed of 12 to 14 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.

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.

## **Weather Based Agro-Advisories: (Onion, Papaya & Animal Husbandry)**

### **Onion:**

The incidence of Onion Thrips noticed in Small Onions. It damages the leaves and small white silvery patches are seen all over the leaves. In severe infestation, leaves dry from tip to downward.

To manage this, farmers are advised to follow clean cultivation practices and regular hoeing.

Flooding of the infested field will also reduce the Thrips population.

To control, foliar spray with 300ml of Tobacco decoction with 350ml of Fish Oil Resin soap per acre.

### **Papaya:**

The incidence of the white fly is expected in Papaya. The symptom of damage appears under the surface of the leaves, the nymphs and adults suck the sap from the leaves and hence the leaves become yellow.

To control this, with respect to the height of the plant, place Yellow Sticky trap @ 8 Nos per Acre.

Prepare a solution with the combination of Chilli @ 250gm + Garlic @ 250gm + Ginger @ 100gm, grind well and mixed it with 3 litres of water, keep the solution overnight,

Spray 300ml of the extracted solution + Pseudomonas @ 40gm + Eggwhite @ 20ml per 10 litres of water.

### **Animal Husbandry:**

Goat-rearing farmers are advised to save their goats from mortality.

As a preventive measure against Haemorrhagic Septicemia, goats have to be vaccinated once a year before the onset of the rainy season, Contact the nearby veterinarian and vaccinate your goats.