
 <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>26/06/2024</b>	to		<b>30/06/2024</b>
	Bulletine No :	<b>MSSRF/ THN/ 051/ 2024</b>	Release Date :	<b>25/06/2024</b>			

<b>Significant past weather</b>	From	<b>21/06/202</b>	to	<b>24/06/202</b>
		<b>4</b>		<b>4</b>
<b>Parameters</b>	<b>Past Weather</b>			
Rainfall (mm)	10.9			
Maximum Temperature (°C)	35-39			
Minimum Temperature (°C)	25-27			
Sky Condition (Octas)	6			
Relative Humidity (%)	55-65			
Wind Speed (kmph)	8-19			

**Ensemble Weather Forecast**      **08:30Hrs of 30-06-2024**  
 until

Parameters	26-06-2024	27-06-2024	28-06-2024	29-06-2024	30-06-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	26	25	10	4	0
Maximum Temperature (°C)	33	31	31	30	30
Minimum Temperature (°C)	23	21	21	20	20
Sky Condition (Octas)	8	7	8	7	5
Max. Relative Humidity (%)	70	70	80	70	70
Min. Relative Humidity (%)	70	60	50	50	40
Wind Speed (Kmph)	14	14	12	10	12
Wind Direction	W	SW	W	W	W

<b>SMS Advisory</b>	Chances of Moderate rain during 26, 27, 28 Jun & light rain on 29 Jun. Maximum temperature would be in the range of 30°C to 33°C and the minimum temperature would be between 20°C - 23°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 10-14 Kmph from, West & Southwest directions.
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**General Advisory:**

**Extended range Forecast for next week (28<sup>th</sup> June to 04<sup>th</sup> July 2024):**

**Rainfall:**

As per extended range predictions, there is possibility of generally normal to slightly above normal rainfall likely over the district during 28<sup>th</sup> Jun to 04<sup>th</sup> July 2024.

**Maximum Temperature:**

Maximum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 28<sup>th</sup> Jun to 04<sup>th</sup> July 2024.

**Minimum Temperature:**

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 20°C to 24°C over the district during next week 28<sup>th</sup> Jun to 04<sup>th</sup> July 2024.

Heavy rain is likely to occur at isolated places over the district on 26 & 27 June 2024. 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.

### **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.

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

#### **Papaya:**

The incidence of Whitefly 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 traps @ 8 Nos per Acre.

Prepare a (3G) solution with the combination of Green Chilly @ 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.

#### **Sugarcane:**

Symptoms of Phosphorus deficiency are observed in the Sugarcane fields. The Colour of the leaves is greenish-blue, reduction in the length of sugarcane stalks, diameters of which taper rapidly at growing points.

Poor or no-tillers, decreased shoot/root ratio with restricted root development are the symptoms of damage.

To rectify this, apply a large amount of rock phosphate up to 1 Tonne/ha. Foliar spray of DAP @ 20gm/litre, twice in fortnight intervals.

#### **Animal Husbandry:**

Hemorrhagic Septicemia disease, which affects cattle, is most prevalent during the rainy season. Milch animals, especially buffaloes and crossbred cows, are more susceptible to this disease.

Infected animals develop severe fever, dysentery, and swelling in the lower mandible, head, neck, throat, and chest.

Germs of this disease survive longer in humid and waterlogged conditions.

As a precautionary measure to avoid this, it is necessary to consult a nearby veterinary doctor before the rainy season and vaccinate the cows.