
 <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>22/07/2023</b>	to		<b>26/07/2023</b>
	Bulletine No :	<b>MSSRF/ THN/ 058/ 2023</b>	Release Date :	<b>21/07/2023</b>			

Significant past weather		From	18/07/2023	to	20/07/2023
Parameters	Past Weather				
Rainfall (mm)	5.2				
Maximum Temperature (°C)	37				
Minimum Temperature (°C)	26-27				
Sky Condition (Octas)	4-6				
Relative Humidity (%)	40-60				
Wind Speed (kmph)	12-23				

**Ensemble Weather Forecast until 08:30Hrs of 26-07-2023**

Parameters	22-07-2023	23-07-2023	24-07-2023	25-07-2023	26-07-2023
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	2	3	8	6	4
Maximum Temperature (°C)	32	31	30	30	30
Minimum Temperature (°C)	24	24	22	23	23
Sky Condition (Octas)	5	6	7	6	5
Max. Relative Humidity (%)	70	70	75	75	75
Min. Relative Humidity (%)	60	60	65	65	65
Wind Speed (Kmph)	14	14	14	12	12
Wind Direction	W	W	W	NW	W

<b>SMS Advisory</b>	Chances of light rain during 22, 23, 25, 26 Jul & Moderate rain on 24 Jul. Maximum temperature would be in the range of 30°C to 32°C and the minimum temperature would be between 22°C - 24°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 12-14 Kmph from, West & Northwest directions.
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**General Advisory:**

**Extended range Forecast for next week (21<sup>st</sup> – 27<sup>th</sup> July 2023):**

**Rainfall:**

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 21<sup>st</sup> to 27<sup>th</sup> July 2023.

**Maximum Temperature:**

Maximum temperatures is likely to be near normal to 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. 21<sup>st</sup> to 27<sup>th</sup> July 2023.

**Minimum Temperature:**

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 21<sup>st</sup> to 27<sup>th</sup> July 2023.

Wind with the speed of 12 to 14 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: (Groundnut, Kakaratan & Animal Husbandry)**

##### **Groundnut:**

Farmers who have taken up groundnut sowing in Vaikasi Pattam are advised to apply gypsum @ 160 kg/acre and earth up the soil to develop peg formation and easy penetration.

Also, give a spray of micronutrient mixture, "Groundnut Rich" @ 2 kg/200 litres as a foliar spray to get more pods and yield in the groundnut plant.

Spraying can be done during the non-rainy days.

##### **Kakaratan:**

The incidence of Red spider mites is expected in Kakaratan (Jasmine). The symptoms appear on leaves, the undersurface of leaves is covered with silken webs, and leaves are fed by mites. Result of feeding, yellow spots appear on the upper surface and turn reddish. Affected leaves finally wither away.

Using the biological method, add Pseudomonas @ 60gms with well-fermented curd @350ml and white of 4 chicken eggs per 10 litres of water, stir well, and spray three times at 10 days intervals.

By the chemical method, spray Spiromesifen 22.9% @ 35ml + Sticky agent @ 10ml with 10 litres of water. Spraying can be done during non-rainy days.

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

Hemorrhagic Septicemia disease, which affects cattle, is mostly 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.