
 MSSRF Science for Sustainable Development	AgroMet Advisory Bulletin (AAB) 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: amfu.kanniwadi@gmail.com Fax: 044 – 22541319						
	District :	Theni	Forecast Period :	24/06/2023	to		28/06/2023
	Bulletine No :	MSSRF/ THN/ 050/ 2023	Release Date :	23/06/2023			

Significant past weather		From	20/06/2023	to	22/06/2023
Parameters	Past Weather				
Rainfall (mm)	7.1				
Maximum Temperature (°C)	36-37				
Minimum Temperature (°C)	26-27				
Sky Condition (Octas)	4-7				
Relative Humidity (%)	40-65				
Wind Speed (kmph)	6-10				

Ensemble Weather Forecast until 08:30Hrs of 28-06-2023

Parameters	24-06-2023	25-06-2023	26-06-2023	27-06-2023	28-06-2023
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	4	3	0	8	14
Maximum Temperature (°C)	39	38	38	37	37
Minimum Temperature (°C)	25	24	24	23	23
Sky Condition (Octas)	8	6	7	7	8
Max. Relative Humidity (%)	60	70	70	70	70
Min. Relative Humidity (%)	40	40	40	40	40
Wind Speed (Kmph)	10	10	10	10	8
Wind Direction	W	W	W	W	SW

SMS Advisory	Chances of light rain on 24, 25 Jun & Moderate rain on 27, 28 Jun. Maximum temperature would be in the range of 37°C to 39°C and the minimum temperature would be between 23°C - 25°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 8-10 Kmph from West & Southwest directions.
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Extended range Forecast for next week (23rd – 29th June 2023):

General Advisory

Rainfall:

As per extended range predictions, there is possibility of slightly below normal rainfall likely over the district during 23rd to 29th June 2023.

Rainfall:

As per extended range predictions, there is possibility of near normal to slightly above normal rainfall likely over the district during 30th June to 6th July 2023.

Maximum Temperature:

Maximum temperatures is likely to be generally near normal and are likely to be in the range 30°C to 34°C over the plains of the district during next week. 23rd to 29th June 2023.

Maximum Temperature:

Maximum temperatures is likely to be generally near normal and are likely to be in the range 28°C to 34°C over the plains of the district during next week. 30th June to 6th July 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 23rd June to 6th July 2023.

Light to Moderate rain with thunderstorm and lightning is likely to occur at one or two places over district on 24 & 25 June 2023. Farmers are advised to take precautionary measures while grazing/herding the sheep, goat, cow on agriculture land for manuring purpose. Do not allow the animals to graze outside, standing near the trees or electric poles. Provide safe shelter for your livestock.

Weather Based Agro-Advisories: (Bitter gourd, Papaya & Animal Husbandry)

Bitter gourd:

The incense of plant hoppers was noticed in Bitter gourd.

To control the hoppers, spray well-fermented curd @ 300ml + pseudomonas @ 40gm + egg white @ 20ml per 10 litres of water after harvesting the vegetables.

Papaya Tube:

The incidence of the Whitefly is expected in Papaya. The symptoms of damage appear 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 solution with the combination of Chilli @ 250gm + Garlic @ 250gm + Ginger @ 100gm, grind well and mix 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:

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.

Germ 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.