
 MSSRF <small>Science for Sustainable Development</small>	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 :	13/09/2023 to 17/09/2023	
	Bulletine No :	MSSRF/ THN/ 073/ 2023	Release Date :	12/09/2023	

Significant past weather	From	08/09/2023	to	11/09/2023
Parameters	Past Weather			
Rainfall (mm)	8.6			
Maximum Temperature (°C)	34-39			
Minimum Temperature (°C)	25-27			
Sky Condition (Octas)	4-7			
Relative Humidity (%)	46-71			
Wind Speed (kmph)	8-15			

Ensemble Weather Forecast until 08:30Hrs of 17-09-2023

Parameters	13-09-2023	14-09-2023	15-09-2023	16-09-2023	17-09-2023
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	6	4	3	4	8
Maximum Temperature (°C)	32	31	31	30	30
Minimum Temperature (°C)	23	22	22	21	21
Sky Condition (Octas)	7	7	6	8	8
Max. Relative Humidity (%)	70	70	70	70	70
Min. Relative Humidity (%)	50	40	40	50	40
Wind Speed (Kmph)	12	12	12	10	12
Wind Direction	W	W	W	W	W

SMS Advisory	Chances of light rain during 13, 14, 15, 16 Sep & Moderate rain on 17 Sep. Maximum temperature would be in the range of 30°C to 32°C and the minimum temperature would be between 21°C - 23°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 10-12 Kmph from, West direction.
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General Advisory:

Since some amount of rainfall is received recently, and rainfall is expected for the coming days, farmers can plan for ploughing and land preparation activities. Farmers are advised to postpone the spraying activities for a short while and to take necessary steps for rain water harvesting.

Wind with the speed of 10 to 12 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.

Light to Moderate rain with thunderstorm & lightning is likely to occur at one or two places over district on 13th & 14th September 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. . To safeguard your animals from lightning and thunderstorm, remove the metal bells tied to the necks of animals.

Weather Based Agro-Advisories: (Tomato, Groundnut & Animal Husbandry)

Tomato:

There is a chance of the spread of soil-borne diseases in the tomato crop planted under rain-fed conditions.

To control such diseases, apply biocontrol agents like *Trichoderma viride* and *Pseudomonas fluorescense* each at 5 kg per acre well mixed with adequate farm yard manure.

Cotton:

Nutrition disorders may be found in Cotton. In the case of Zinc deficient soils, apply ZnSO₄ @ 50kg/ha as basal or ZnSO₄ 0.5% spray thrice at 45, 60 and 75 DAS.

When reddening occurs in leaves apply 5% MgSO₄, Urea (1%) and ZnSO₄ (0.10%) as a foliar spray on the 50th and 80th day to correct this malady.

In Mg deficient areas apply MgSO₄ @ 20 kg/ha basally. Need-based foliar spray of 2% MgSO₄ + 1% Urea during boll formation stage.

Animal Husbandry:

The (livestock) calf may be affected by tiredness, hence, the cattle rearers are advised to feed their calf with 30gms of mineral mixture per day.

Also, de-worm your calf on a regular schedule with the support of a nearby veterinarian.