
 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 :	30/09/2023 to 04/10/2023	
	Bulletine No :	MSSRF/ THN/ 078/ 2023	Release Date :	29/09/2023	

Significant past weather	From	26/09/2023	to	28/09/2023
Parameters	Past Weather			
Rainfall (mm)	3.1			
Maximum Temperature (°C)	35-38			
Minimum Temperature (°C)	24-25			
Sky Condition (Octas)	4-6			
Relative Humidity (%)	48-84			
Wind Speed (kmph)	4-10			

Ensemble Weather Forecast until 08:30Hrs of 04-10-2023

Parameters	30-09-2023	01-10-2023	02-10-2023	03-10-2023	04-10-2023
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	14	3	3	5	6
Maximum Temperature (°C)	29	28	28	28	27
Minimum Temperature (°C)	23	22	22	22	21
Sky Condition (Octas)	6	8	7	8	7
Max. Relative Humidity (%)	70	70	70	80	70
Min. Relative Humidity (%)	40	50	50	50	40
Wind Speed (Kmph)	14	14	12	10	10
Wind Direction	W	W	W	W	W

SMS Advisory	Chances of Moderate rain on 30 Sep & light rain during 1, 2, 3, 4 Oct. Maximum temperature would be in the range of 27°C to 29°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 10-14 Kmph from, West direction.
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General Advisory:

Extended range Forecast for next week (29th Sep – 12th Oct 2023):

Rainfall:

As per extended range predictions, there is possibility of near normal to slightly above normal rainfall likely over the district during 29th Sep to 12th October 2023.

Maximum Temperature:

Maximum temperatures is likely to be near normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 29th Sep to 12th October 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 29th Sep to 12th October 2023.

Heavy rain is likely to occur at one or two places over the district on 30 Sep 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 10 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.

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: (Papaya, Groundnut & Animal Husbandry)

Papaya:

Stem rot / Foot rot disease is expected in papaya growing areas. For the management of the disease, the farmers are advised to take up soil drenching around the plants with Copper Oxochloride @ 2.5g/litre. Maintain the field with a proper drainage facility.

Groundnut:

The leaf miner incidence is noticed in the Groundnut crop. The symptom of damage appears on leaves; the larvae web the leaflets together and feed on them, remaining within the folds. The severely attacked field looks "burnt". To control this, farmers are advised to set up a light trap to monitor and kill the adult moths and watch for the incidence of the red hairy caterpillar. If needed, spray 5% of Neem seed kernel extract (NSKE).

Animal Husbandry:

The incidence of mosquitoes in cowshed are predominant during this season. The female mosquitoes suck blood but do not always need blood to lay the first batch of eggs. In addition, their attacks can cause loss of weight and decreased milk production and occasionally death by suffocation or heavy blood loss. If mosquitoes are a serious problem to livestock in your area, control measures should be implemented. The most effective control method available is source reduction by removing or draining mosquito breeding sites. Daily fogging with neem leaves / benzoin or aerosoling for adult mosquitoes may provide relief. but this is only a temporary control measure.