
 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 :	19/09/2023 to 23/09/2023	
	Bulletine No :	MSSRF/ THN/ 075/ 2023	Release Date :	18/09/2023	

Significant past weather	From	15/09/2023	to	17/09/2023
Parameters	Past Weather			
Rainfall (mm)	4.3			
Maximum Temperature (°C)	37-39			
Minimum Temperature (°C)	25-26			
Sky Condition (Octas)	4-6			
Relative Humidity (%)	47-72			
Wind Speed (kmph)	5-8			

Ensemble Weather Forecast until 08:30Hrs of 23-09-2023

Parameters	19-09-2023	20-09-2023	21-09-2023	22-09-2023	23-09-2023
	Tuesday	Wednesday	Thursday	Friday	Saturday
Rainfall (mm)	12	6	9	4	6
Maximum Temperature (°C)	31	31	30	30	30
Minimum Temperature (°C)	22	22	21	21	21
Sky Condition (Octas)	8	8	7	8	8
Max. Relative Humidity (%)	70	70	70	70	80
Min. Relative Humidity (%)	40	40	40	40	50
Wind Speed (Kmph)	8	8	10	10	8
Wind Direction	W	W	W	W	W

SMS Advisory	Chances of Moderate rain on 19, 21 Sep & light rain during 20, 22, 23 Sep. Maximum temperature would be in the range of 30°C to 31°C and the minimum temperature would be between 21°C - 22°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 8-10 Kmph from, West direction.
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General Advisory:

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.

Light to Moderate rain with thunderstorm & lightning is likely to occur at one or two places over district during 19th, 20th 21st, & 22th 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: (Jackfruit, Snake gourds & Animal Husbandry)

Jackfruit:

Jackfruit cultivators are advised to apply fertilizers to Jack breeds as follows. For well matured trees, after harvest, apply Urea @ 1650gm, Superphosphate @ 2220gm, Potash @ 850gm and Farmyard Manure @ 50kg.

Cotton:

Due to the prevailing wet weather conditions, the incense of sucking pests can be seen in Cotton, the symptoms are leaves curling upwards and appearing in yellow colour and the growth of the plant will also be affected due to this. To control this, a foliar spray of 10gms of Metarhizium and 10gms of Verticelium per litre of water is recommended. Also, place five yellow sticky traps at a height of half feet above the crop height with a 5 to 10 metres gap. Plant protection activities can be done only on non-rainy days.

Animal Husbandry:

To protect the livestock from thunderstorms and lightning Farmers are requested to avoid grazing the animals during rains, particularly grazing sheep and goats in the flock which are more prone to lightning shock.

Farmers should avoid tethering animals near barbed wire fencing posts and trees.

Trees near the animal sheds should be pruned to avoid accidental falls during heavy wind.

Further trees like rain trees and vathanarayanan are more prone to uprooting. More chance of lightning near hilly areas and undulated landscapes than in plains.

For fences with wooden poles and metal wires, it is advisable to check the condition of the buried parts at most once in 5 years and do the necessary replacement before the thunderstorm season begins.