
 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 :	19/06/2024 to 23/06/2024	
	Bulletine No :	MSSRF/ THN/ 049/ 2024	Release Date :	18/06/2024	

Significant past weather	From	14/06/202 4	to	17/06/202 4
Parameters	Past Weather			
Rainfall (mm)	0.8			
Maximum Temperature (°C)	38-40			
Minimum Temperature (°C)	26-27			
Sky Condition (Octas)	4-5			
Relative Humidity (%)	39-65			
Wind Speed (kmph)	8-18			

Ensemble Weather Forecast **08:30Hrs of 23-06-2024**
 until

Parameters	19-06-2024	20-06-2024	21-06-2024	22-06-2024	23-06-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	5	3	2	2	26
Maximum Temperature (°C)	34	33	33	32	32
Minimum Temperature (°C)	22	22	21	21	20
Sky Condition (Octas)	8	7	7	6	8
Max. Relative Humidity (%)	70	70	70	70	80
Min. Relative Humidity (%)	50	50	50	50	70
Wind Speed (Kmph)	14	14	14	14	10
Wind Direction	W	W	W	W	SW

SMS Advisory	Chances of light to Moderate rain during the next five days. Maximum temperature would be in the range of 32°C to 34°C and the minimum temperature would be between 20°C - 22°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 10-14 Kmph from, West & Southwest directions.
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General Advisory:

Extended range Forecast for next week (21st to 27th June 2024):

Rainfall:

As per extended range predictions, there is possibility of below normal rainfall likely over the district during 21st to 27th June 2024.

Maximum Temperature:

Maximum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 28°C to 34°C over the plains of the district during next week. 21st to 27th June 2024.

Minimum Temperature:

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 20°C to 24°C over the district during next week 21st to 27th June 2024.

Heavy rain is likely to occur at isolated places over the district on 23 June 2024. 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, intercultural 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.

Agriculture:

Farmers planning to cultivate vegetable crops are advised to apply 200 kg of well decomposed farm yard manure along with each 1 kg of *Trichoderma viride* and *Pseudomonas fluorescens* per acre.

Weather Based Agro-Advisories: (Banana, Coffee & Animal Husbandry)

Banana:

The occurrence of Cutworm is noticed in the Banana crop. The symptom of damage is young larvae feed by scraping the leaves from the ventral surface, and later on feed voraciously at night on the foliage.

To control spray *Bacillus thuringiensis* @ 40ml + Sticky agent @ 10ml with 10 litres of water.

Growing the Marigold flower crop as a border crop in a ratio of 16:1 will also give good results for this.

Coffee:

Fertilization during Monsoon:

To improve the plant growth and fruit maturity in Arabica and Robusta coffee varieties, Coffee cultivators are advised to apply 45 kg Urea or 2 bags of Ammonium Sulphate mixed with 25 kg Potash per acre.

Carryout this activity during the non-rainy day of the mid-monsoon,

Animal Husbandry:

Due to prevailing weather conditions, there is a chance for Black quarter disease in the cow. This disease usually affects young cattle of 6 months to about 2-3 years of age.

The symptoms are crepitating, swelling in the hind or fore quarter, lameness, and muscles shows trembling with violent twitching. Death usually occurs within 24 hours. Hyper immune serum (HIS) is used to control explosive outbreaks.

Immediately contact the local veterinarian to treat the disease. Vaccinate the cow every year one month before the rainy season.