
 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 :	27/04/2024 to 01/05/2024	
	Bulletine No :	MSSRF/ THN/ 034/ 2024	Release Date :	26/04/2024	

Significant past weather	From 23/04/2024 to 25/04/2024
	4 to 4
Parameters	Past Weather
Rainfall (mm)	3.9
Maximum Temperature (°C)	40-41
Minimum Temperature (°C)	27
Sky Condition (Octas)	1-3
Relative Humidity (%)	39-81
Wind Speed (kmph)	4-15

Ensemble Weather Forecast **08:30Hrs of 01-05-2024**
 until

Parameters	27-04-2024	28-04-2024	29-04-2024	30-04-2024	01-05-2024
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	37	37	38	38	38
Minimum Temperature (°C)	26	26	26	27	27
Sky Condition (Octas)	2	5	5	4	4
Max. Relative Humidity (%)	70	70	70	80	80
Min. Relative Humidity (%)	20	20	20	20	20
Wind Speed (Kmph)	8	6	8	6	6
Wind Direction	E	SE	SE	SW	SW

SMS Advisory	Dry weather will prevail for the next 5 days, Maximum temperature would be in the range of 37°C to 38°C and the minimum temperature would be between 26°C - 27°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 6-8 Kmph from, East, Southeast & Southwest directions.
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General Advisory:

Owing to high maximum temperature and moderate wind, more moisture loss is expected and hence, more irrigation should be given to the standing crops.

Livestock:

Artificial insemination of goats and cows should be done within 9 am or after 4pm due to the high heat of the day.

For livestock, the heat stress can be managed by spraying/ sprinkling water directly on the body of animals for a period of 1 to 5 minutes at an interval of 30-60 minutes. Cover the sides of the cow shed with wet gunny bags. Ensure the increased mineral supplementation to the animals during hot weather to meet the increased demand for minerals. The potassium-rich mineral mixture should be preferred for your cattle.

Agriculture:

As the temperature is expected to increase in the forthcoming days, sucking pest infestation may be prevalent in vegetables, pulses and groundnut crops. Hence, 5% Neem seed kernel extract may be sprayed to control the pest incidence.

Weather Based Agro-Advisories: (Pepper, Cardamom & Animal Husbandry)

Pepper:

During the summer period, create round beds around the pepper vines,

Apply VAM and Vermicompost to the root region, cover it with dry leaves as mulching, and irrigate the crop immediately.

By doing this, we can increase the yield of pepper. (Do this once in March and again in April).

Cardamom:

Mosaic or Katte disease is a serious disease affecting the productivity of Cardamom.

This is transmitted by banana aphids which can be controlled by regular spraying with Methyl Demeton 25 EC or Dimethoate 30 EC or Hosphomidon 86 WSC at 750 ml/ha.

Animal Husbandry:

Farmers are advised to deworm their goats for Round / Tap Worms for the months of May and June. The deworming should be done in the morning and the goat should be on an empty stomach.