
 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 :	28/02/2024 to 03/03/2024	
	Bulletine No :	MSSRF/ THN/ 017/ 2024	Release Date :	27/02/2024	

Significant past weather	From 23/02/202 4	to 26/02/202 4
Parameters	Past Weather	
Rainfall (mm)	0.1	
Maximum Temperature (°C)	35-38	
Minimum Temperature (°C)	24-25	
Sky Condition (Octas)	3-4	
Relative Humidity (%)	46-85	
Wind Speed (kmph)	7-17	

Ensemble Weather Forecast **08:30Hrs of 03-03-2024**
 until

Parameters	28-02-2024	29-02-2024	01-03-2024	02-03-2024	03-03-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	28	28	28	29	29
Minimum Temperature (°C)	18	18	17	18	18
Sky Condition (Octas)	3	4	3	2	0
Max. Relative Humidity (%)	90	80	90	80	70
Min. Relative Humidity (%)	30	30	30	20	20
Wind Speed (Kmph)	8	8	8	6	6
Wind Direction	NE	NE	NE	E	NE

SMS Advisory	Dry weather will prevail for the next 5 days. Maximum temperature would be in the range of 28°C to 29°C and the minimum temperature would be between 17°C-18°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 6-8 Kmph from, Northeast& East directions.
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General Advisory:

It is expected to raise temperature in the forthcoming days, so the soil moisture content may be reduced. Hence, the horticultural farmers are advised to take up mulching around the root basin of the crop with dried leaves, grass and other farm wastes to retain the soil moisture content.

During the summer season, both agricultural and vegetable crops grown for more than 30 to 45 days are prone to nutrient deficiency and pest attack.

To overcome this issue, mix 350ml of Panchakaviyam and 15ml of sticky agent in 10 litres of water and spray it twice at 15 days interval.

Extended range Forecast for next week (01st to 07th March 2024):

Rainfall:

As per extended range predictions, there is possibility of near normal rainfall likely over the district during 01st to 07th March 2024.

Maximum Temperature:

Maximum temperatures are likely to be slightly below normal and are likely to be in the range of 30°C to 34°C, over the district from 01st to 07th March 2024.

Minimum Temperature:

Minimum temperatures are likely to be normal to slightly above normal and are likely to be in the range 18°C to 22°C over the district from 01st to 07th March 2024.

Weather Based Agro-Advisories: (Sugarcane, Grapes & Animal Husbandry)

Sugarcane:

The incidence of early shoot borer is expected in Sugarcane. The dead heart occurrence is more in 1-3 months old crops.

Caterpillar bores into the central shoot and feeds on the internal tissue causing a dead heart, which can be easily pulled out.

To control this, spray Fipronil @ 35ml + Sticky agent @ 10ml with 10 litres of water.

Grapes:

The occurrence of the Mealy bug is expected in Grapes. The symptoms of damage found in fruit. Fruits will drop at a premature stage.

Collect and destroy the affected bark, leaves, twigs and stems. Use sticky traps on fruit-bearing shoots.

To control this, release exotic predator, *Cryptolaemus montrouzieri* @ 10 beetles per vine.

Animal Husbandry:

Control of snail-borne trematode infections in small ruminants and cattle • Snail-borne trematode infections such as Amphistomosis and Fasciolosis are very common in ruminants during the months of January, February, March and April, particularly among the young stock which goes for grazing to the areas where water bodies are located.

The affected small ruminants will have severe watery foetid diarrhoea, anaemia, sub-mandibular oedema, and frequent drinking, besides recurrent bloat may occur in cattle.

These fluke infections can be controlled by early diagnosis through faecal examination and treatment with appropriate dewormer. Animals should not be allowed to graze near water bodies.