
 MSSRF <small>Science for Sustainable Development</small>	AgroMet Advisory Bulletin (AAB) Jointly released by Regional Meteorology Centre, Chennai – India Meteorology Department, Reddiarchatham Seed Growers Association & M. S. Swaminathan Research Foundation, Kannivadi Phone no.: 044 - 22541229 E mail: amfu.kanniwadi@gmail.com Fax: 044 – 22541319						
	District :	Madurai	Forecast Period :	14/02/2024	to		18/02/2024
	Bulletine No :	MSSRF/ MDU / 013/ 2024	Release Date :	13/02/2024			

Significant past weather	From	09/02/202	to	12/02/202
	4			4
Parameters	Past Weather			
Rainfall (mm)	0.0			
Maximum Temperature (°C)	34-36			
Minimum Temperature (°C)	22-23			
Sky Condition (Octas)	2-3			
Relative Humidity (%)	43-88			
Wind Speed (kmph)	9-14			

Ensemble Weather Forecast 08:30Hrs
until of 18-02-2024

Parameters	14-02-2024	15-02-2024	16-02-2024	17-02-2024	18-02-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	1	1	0	0	0
Maximum Temperature (°C)	34	34	34	33	34
Minimum Temperature (°C)	23	24	24	23	23
Sky Condition (Octas)	3	4	4	2	2
Max. Relative Humidity (%)	90	90	80	90	90
Min. Relative Humidity (%)	50	50	40	50	50
Wind Speed (Kmph)	12	12	12	12	14
Wind Direction	NE	NE	NE	NE	NE

SMS Advisory	Chances of very light rain on 14 & 15 Feb. Maximum temperature would be in the range of 33°C to 34°C and the minimum temperature would be between 23°C-24°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 12-14 Kmph from, Northeast direction.
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General Advisory:

Since very light rain is likely to occur at one or two places over the district on 14 & 15 Feb and dry weather is very likely to prevail over the district during 16th to 18th February, hence based on the soil moisture condition of the field, farmers can provide irrigation to their crops. Mist is likely to prevail during the early morning hours, allow your cattle to graze only 2 hours after sunrise.

Wind with the speed of 12 to 14 kmphis 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.

Extended range Forecast for next week (16th Feb to 22nd February 2024):

Rainfall:

As per extended range predictions, below normal to near normal is likely over one or two places of the district from 16th Feb to 22nd February 2024.

Maximum Temperature:

Maximum temperatures are likely to be normal to slightly above normal and are likely to be in the range of 30°C to 34°C, over the district from 16th Feb to 22nd February 2024.

Minimum Temperature:

Minimum temperatures are likely to be slightly above normal and are likely to be in the range 18°C to 22°C over the district from 16th Feb to 22nd February 2024.

Weather Based Agro-Advisories: (Paddy, Mullai flower, & Animal Husbandry).**Paddy:**

The incidence of Whorl maggot is expected in paddy. The symptoms show yellowish-white longitudinal marginal blotching with a hole.

Leaves shrivelled plant, stunted and drooping of young leaves near the tip.

Remove the alternate hosts from the field, and apply the optimum recommendation of potash fertilizer.

To control spray Buprofezin @ 350 ml/acre.

Mullai flower:

The incidence of Red spider mites is expected in Mullai flower crop (Jasmine). The symptoms of damage appear on the leaves.

The under-surface of leaves is covered with silken webs and the mites feed the leaves. Yellow spots appear on the upper surface and turn reddish. Finally, the affected leaves wilt downwards. Flower production is adversely affected.

To control, spray 40gm wettable sulphur with 10 ml sticking agent per 10 litres of water.

Animal Husbandry:

Due to the prevailing weather conditions, there is a chance of infection of Anthrax in cattle. The symptoms are fever, severe diarrhoea and dysentery, respiration becomes rapid and shortly before death, the mucous membranes appear cyanotic.

The nasal discharge appears with blood stains or purulent.

Immediately contact the local veterinarian and vaccinate your animals once in a year.