
	<b>AgroMet Advisory Bulletin (AAB)</b> 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: <a href="mailto:amfu.kannivadi@gmail.com">amfu.kannivadi@gmail.com</a> Fax: 044 – 22541319				
	District :	<b>Madurai</b>	Forecast Period :	<b>20/01/2024</b> to <b>24/01/2024</b>	
	Bulletine No :	<b>MSSRF/ MDU / 006/ 2024</b>	Release Date :	<b>19/01/2024</b>	

Significant past weather	From	16/01/202	to	18/01/202
		4		4
Parameters	Past Weather			
Rainfall (mm)	0.0			
Maximum Temperature (°C)	31-32			
Minimum Temperature (°C)	19-21			
Sky Condition (Octas)	2-5			
Relative Humidity (%)	41-87			
Wind Speed (kmph)	6-8			

**Ensemble Weather Forecast 08:30Hrs**  
**until of 24-01-2024**

Parameters	20-01-2024	21-01-2024	22-01-2024	23-01-2024	24-01-2024
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	6	5	0	0	0
Maximum Temperature (°C)	33	33	32	32	33
Minimum Temperature (°C)	23	23	22	22	23
Sky Condition (Octas)	4	3	4	4	4
Max. Relative Humidity (%)	90	90	90	90	90
Min. Relative Humidity (%)	60	50	50	50	40
Wind Speed (Kmph)	10	10	10	10	8
Wind Direction	NE	NE	NE	NE	NE

<b>SMS Advisory</b>	Chances of light rain on 20 & 21 Jan. Maximum temperature would be in the range of 32°C to 33°C and the minimum temperature would be between 22°C-23°C. Partly cloudy sky will appear for the next five days. Wind expected with the speed of 8-10 Kmph from, Northeast direction.
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**General Advisory:**

**Extended range Forecast for next week (19<sup>th</sup> Jan– 01<sup>st</sup> Feb 2024):**

**Rainfall:**

As per extended range predictions, there is possibility of generally dry condition likely over the district during 19<sup>th</sup> Jan to 01<sup>st</sup> February 2024.

**Maximum Temperature:**

Maximum temperatures is likely to be to generally near normal and are likely to be in the range 28°C to 32°C over the plains of the district during next week. 19<sup>th</sup> Jan to 01<sup>st</sup> February 2024.

**Minimum Temperature:**

Minimum temperatures are likely to be normal to slightly above normal and are likely to be in the range 16°C to 20°C over the district during next week 19<sup>th</sup> to 25<sup>th</sup> January 2024.

Minimum temperatures are likely to be generally near normal and are likely to be in the range 16°C to 20°C over the district during next week 26<sup>h</sup> Jan to 01<sup>st</sup> February 2024.

Since dry weather is expected for next 5 days, farmers can start crop protection activities. Based on the moisture content of your soil, farmers can provide irrigation to the vegetable crops.

### **Weather Based Agro-Advisories: (Paddy, Maize & Animal Husbandry).**

#### **Paddy:**

Before transplanting the paddy seedlings, the application of organic inputs in the field is essential for the Paddy crop.

Mix 2kg of Azospirillum per hectare and 2kg of Phosphobacteria per hectare or 4kg of Azophos inoculants with 25kg FYM and 25 kg of sand and broadcast the mixture uniformly in the main field before transplanting.

#### **Maize:**

There is a chance of incense of Fall Armyworm in Maize fields. It spreads widely in the field. The larvae feed on the young growing shoots resulting in heavy shoot damage.

To control this install the Pheromone trap @ 5-6 numbers per acre.

Also, Erect bird perches @ 10Nos.per acre.

Add Metarhizium Anisopliae or Beauveria bassiana @ 70 gms or 70 ml per 10 litres of water with Jaggery @ 50gms and Sticky agent @ 10ml, stir well, remove the nozzle and spray the solution on the top of the shoot during the non-rainy days.

Or using the chemical method, spray the following insecticides Emamectin benzoate 5SG @10gm (Promactin) and Permethrin @ 25 ml + 10 ml Sticky agent with 10 litres of water, stir well and spray the solution on the top of the shoot during the non-rainy days.

#### **Animal Husbandry:**

Due to the prevailing chill weather in the night and early morning hours, there is a possibility of Ephemeral fever (three-day sickness) infecting your cattle.

To avoid this, don't keep the cattle outside. Keep the livestock, safely in the sheds. Tie jute bays/sacks to the sides of the cowsheds.