
	<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.kanniwadi@gmail.com">amfu.kanniwadi@gmail.com</a> Fax: 044 – 22541319				
	District :	<b>Madurai</b>	Forecast Period :	<b>05/08/2023</b> to <b>09/08/2023</b>	
	Bulletine No :	<b>MSSRF/ MDU / 062/ 2023</b>	Release Date :	<b>04/08/2023</b>	

Significant past weather		From	01/08/2023	to	03/08/2023
Parameters	Past Weather				
Rainfall (mm)	0.0				
Maximum Temperature (°C)	40-41				
Minimum Temperature (°C)	25-26				
Sky Condition (Octas)	2-5				
Relative Humidity (%)	32-54				
Wind Speed (kmph)	13-14				

**Ensemble Weather Forecast until 08:30Hrs of 09-08-2023**

Parameters	05-08-2023	06-08-2023	07-08-2023	08-08-2023	09-08-2023
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	1	2	4	3	0
Maximum Temperature (°C)	42	41	40	40	39
Minimum Temperature (°C)	26	25	25	24	24
Sky Condition (Octas)	8	5	7	8	8
Max. Relative Humidity (%)	60	70	70	70	70
Min. Relative Humidity (%)	30	40	40	40	30
Wind Speed (Kmph)	8	10	12	10	8
Wind Direction	NW	NW	NW	W	NW

<b>SMS Advisory</b>	Chances of light rain during 5, 6, 7 & 8 Aug. Maximum temperature would be in the range of 39°C to 42°C and the minimum temperature would be between 24°C - 26°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 8-12 Kmph from, Northwest & West directions
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**General Advisory:**

**Extended range Forecast for next week (04<sup>th</sup> – 10<sup>th</sup> Aug 2023):**

**Rainfall:**

As per extended range predictions, there is possibility of generally near normal to slightly above normal rainfall likely over the district during 04<sup>th</sup> to 10<sup>th</sup> August 2023.

**Maximum Temperature:**

Maximum temperatures is likely to be near normal to slightly above normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 04<sup>th</sup> to 10<sup>th</sup> August 2023.

**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 04<sup>th</sup> to 10<sup>th</sup> August 2023.

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

Wind with the speed of 8 to 12 kmph is 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

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

##### **Paddy:**

The incidence of Paddy Leaf folder is expected in Paddy crop, the symptoms are leaves folding longitudinally and larvae remaining inside. Larvae scrap the green tissue of the leaves and became white and dry. During a severe infestation, the whole field exhibits a scorched appearance. To control this, tie Trichogramma egg parasitoid cards @ 5cc per acre, thrice at the 37<sup>th</sup>, 44<sup>th</sup>, and 51<sup>st</sup> days after transplanting. Avoid excessive application of urea. Install Light trap at 1No. per acre. Spray NSKE @ 5ml per litre of water or spray Chlorpyrifos 20 EC @ 5ml per litre of water.

##### **Coconut:**

The incidence of black-headed caterpillars is expected in the Coconut crop. Coconut trees of all ages are attacked by this pest. Dried-up patches on the leaflets of the lower leaves, only three or four youngest leaves at the centre of the crown remain green. Galleries of silk and frass are found on the underside of leaflets. In case of severe infestation, the whole plantations present a scorched appearance. To control, root feeding of Fipronil @ 25ml with 75ml of water per tree is recommended.

##### **Animal Husbandry:**

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 minutes. Ensure adequate round-the-clock drinking water for animals, which should be provided under shade. Feeding should be practiced during the early morning, evening & night. Prefer grazing during early morning & late evening hours to avoid the scorching heat.