
	<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>22/07/2023</b> to <b>26/07/2023</b>	
	Bulletine No :	<b>MSSRF/ MDU / 058/ 2023</b>	Release Date :	<b>21/07/2023</b>	

Significant past weather	From	18/07/2023	to	20/07/2023
Parameters	Past Weather			
Rainfall (mm)	0.0			
Maximum Temperature (°C)	37			
Minimum Temperature (°C)	26-27			
Sky Condition (Octas)	4-6			
Relative Humidity (%)	40-60			
Wind Speed (kmph)	12-23			

Ensemble Weather Forecast until 08:30Hrs of **26-07-2023**

Parameters	22-07-2023	23-07-2023	24-07-2023	25-07-2023	26-07-2023
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	0	0	3	3	2
Maximum Temperature (°C)	37	37	35	35	35
Minimum Temperature (°C)	27	26	25	24	24
Sky Condition (Octas)	3	4	5	5	4
Max. Relative Humidity (%)	60	60	65	65	60
Min. Relative Humidity (%)	45	45	55	55	50
Wind Speed (Kmph)	22	22	22	18	18
Wind Direction	SW	SW	W	NW	SW

<b>SMS Advisory</b>	Chances of light rain during 24, 25 & 26 Jul. Maximum temperature would be in the range of 35°C to 37°C and the minimum temperature would be between 24°C - 27°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 18-22 Kmph from, Southwest, West & Northwest directions.
-------------------------	---

### General Advisory:

### Extended range Forecast for next week (21<sup>st</sup> – 27<sup>th</sup> July 2023):

#### Rainfall:

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 21<sup>st</sup> to 27<sup>th</sup> July 2023.

#### Maximum Temperature:

Maximum temperatures is likely to be near normal to slightly below normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 21<sup>st</sup> to 27<sup>th</sup> July 2023.

#### Minimum Temperature:

Minimum temperatures are likely to be near normal and are likely to be in the range 18°C to 24°C over the district during next week 21<sup>st</sup> to 27<sup>th</sup> July 2023.

Wind with the speed of 18 to 22 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, Sugarcane & 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.

##### **Sugarcane:**

The incidence of Rust disease is widely spread in the Sugarcane crop field. The earliest symptoms are small, elongated yellowish spots that are visible on both leaf surfaces. The spots increase in length, and turn brown to orange-brown or red-brown in color which coalesced and formed large, irregular necrotic areas, thus it shows a rusty appearance of the leaf. This eventually resulted in the premature death of the leaves.

Affected leaves should be removed and burned immediately. To control spray Hexaconazole or Tebuconazole @ 20-25ml per tank. And spray Triazole or Strobilurin or Pyraclostrobin fungicide @ 3g/ litre of water.

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

Hemorrhagic Septicemia disease, which affects cattle, is mostly prevalent during the rainy season. Milch animals, especially buffaloes and crossbred cows, are more susceptible to this disease. Infected animals develop severe fever, dysentery, and swelling in the lower mandible, head, neck, throat, and chest.

Germs of this disease survive longer in humid and waterlogged conditions. As a precautionary measure to avoid this, it is necessary to consult a nearby veterinary doctor before the rainy season and vaccinate the cows.