
	<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>21/10/2023</b> to <b>25/10/2023</b>	
	Bulletine No :	<b>MSSRF/ MDU / 084/ 2023</b>	Release Date :	<b>20/10/2023</b>	

Significant past weather	From	17/10/2023	to	19/10/2023
Parameters	Past Weather			
Rainfall (mm)	15.7			
Maximum Temperature (°C)	30-33			
Minimum Temperature (°C)	23-24			
Sky Condition (Octas)	5-6			
Relative Humidity (%)	55-93			
Wind Speed (kmph)	4-8			

**Ensemble Weather Forecast until 08:30Hrs of 25-10-2023**

Parameters	21-10-2023	22-10-2023	23-10-2023	24-10-2023	25-10-2023
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	10	10	18	10	40
Maximum Temperature (°C)	34	34	34	33	33
Minimum Temperature (°C)	24	24	24	23	23
Sky Condition (Octas)	6	6	6	5	5
Max. Relative Humidity (%)	80	80	80	78	78
Min. Relative Humidity (%)	60	60	60	58	58
Wind Speed (Kmph)	8	8	8	6	6
Wind Direction	E	E	E	SE	SE

<b>SMS Advisory</b>	Chances of Moderate rain during 21, 22, 23, 24 & 25 Oct. Maximum temperature would be in the range of 33°C to 34°C and the minimum temperature would be between 23°C - 24°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 6-8 Kmph from, East & Southeast directions.
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**General Advisory:**

**Extended range Forecast for next week (20<sup>th</sup> – 26<sup>th</sup> Oct 2023):**

**Rainfall:**

As per extended range predictions, there is possibility of below normal rainfall likely over the district during 20<sup>th</sup> to 26<sup>th</sup> October 2023.

**Maximum Temperature:**

Maximum temperatures is likely to be near normal to slightly above normal and are likely to be in the range 28°C to 32°C over the plains of the district during next week. 20<sup>th</sup> to 26<sup>th</sup> October 2023.

**Minimum Temperature:**

Minimum temperatures are likely to be near normal to above normal and are likely to be in the range 18°C to 24°C over the district during next week 20<sup>th</sup> to 26<sup>th</sup> October 2023.

It is expected to receive rainfall in the forthcoming days. Hence the vegetable, fruit, and flower cultivating farmers are requested to carry out top dressing of manure followed by the earth-up operation.

Since Moderate rainfall is expected for the next five days, Farmers are advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rain water. During these days farmers are advised to avoid irrigation, intercultural operations and application of plant protection measures to the standing crops, provide adequate drainage facilities in the fields to avoid water stagnation due to heavy rainfall, do not allow the animals to grazing outside, standing near the trees or electric poles & provide safe shelter.

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

##### **Banana:**

Due to the prevailing weather condition the incense of Erwinia rot diseases is expected in Banana. This disease is more pronounced on young suckers leading to rotting and emission of foul odour.

If affected plants are pulled out it comes out from the crown region leaving the corm with their roots in the soil.

Good drainage and soil conditioning can control the disease to some extent. Remove infected plants immediately.

Drench with bleaching powder @ 20g/litre/tree once at the time of planting the sucker and the other one after 3 months.

##### **Paddy:**

Due to the prevailing weather conditions the incense of Blast is seen in paddy. The disease can infect paddy at all growth stages and all aerial parts of the plant (Leaf, neck and node). Among the three, leaves and neck infections are more severe.

Small specks originate on leaves and, subsequently enlarge into spindle-shaped spots with ashy centers. Several spots coalesce, big irregular patches.

Remove collateral weed hosts from bunds and channels, avoid excess nitrogen,

Apply N in three split doses (50% basal, 25% in the Tillering phase and 25% N in the panicle initiation stage).

After observing the initial infection of the disease, spray Tricyclozole 75 WP @ 100g/acre.

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

Due to the prevailing weather condition, farmers are advised to allow the cattle for grazing only after 2 hrs of sunrise.

Cover the cow shed with gunny bags, keep the floor in dry condition.

Dry feed and greens should be feed without moisture to avoid the fungal infection.