
 MSSRF Science for Sustainable Development	AgroMet Advisory Bulletin (AAB) 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: amfu.kannivadi@gmail.com Fax: 044 – 22541319					
	District :	Dindigul	Forecast Period :	24/04/2024	to	
	Bulletin No:	MSSRF/ DGL /033/ 2024	Release Date :	23/04/2024		

Significant past weather	From	18/04/2024	to	22/04/2024
		4		4
Parameters	Past Weather			
Rainfall (mm)	0.0			
Maximum Temperature (°C)	39-41			
Minimum Temperature (°C)	27-28			
Sky Condition (Octas)	3-5			
Relative Humidity (%)	41-88			
Wind Speed (kmph)	7-11			

Ensemble Weather Forecast
 until **08:30Hrs of 28-04-2024**

Parameters	24-04-2024	25-04-2024	26-04-2024	27-04-2024	28-04-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	41	42	42	41	41
Minimum Temperature (°C)	27	26	25	26	25
Sky Condition (Octa)	3	1	2	3	4
Max. Relative Humidity (%)	70	70	70	70	70
Min. Relative Humidity (%)	20	20	20	30	30
Wind Speed (Kmph)	8	10	8	10	8
Wind Direction	SE	SE	SE	SE	SE

SMS Advisory	Dry weather will prevail for the next 5 days, Maximum temperature would be in the range of 41°C to 42°C and the minimum temperature would be between 25°C - 27°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 8-10 Kmph from, Southeast direction.
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General Advisory:

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

Livestock:

For livestock, the 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 30-60 minutes. Cover the sides of the cow shed with wet gunny bags. Ensure the increased mineral supplementation to the animals during hot weather to meet the increased demand for minerals. The potassium-rich mineral mixture should be preferred for your cattle.

Agriculture:

Due to hot and humid conditions, discomfort weather is likely at isolated pockets over the district during next five days (24.04.2024 to 28.04.2024). Hence farmers are advised to plan their field activities during morning and evening hours and avoid working in the field during 12 noon to 4 Pm. Stay safe and take care. Drink adequate water.

Weather Based Agro-Advisories: (Tomato, Pumpkin & Animal Husbandry).

Tomato:

Due to the prevailing hot weather conditions, the incidence of bollworms were noticed in tomato crops, to control this Install Pheromone Traps @ 12 Nos. per hectare.

Collect and destroy the affected fruits and worms,

During the flowering stage, based on the ETL release Trichogramma Egg parasitoids at 50000 nos. per hectare.

For the bollworm spray NPV virus mixture.

Pumpkin:

The incidence of Pumpkin Fruit flies is noticed in Pumpkin crop.

Plough the field to expose the pupae.

Install cucurbit fruit fly trap @ 4/ acre.

Collect the damaged fruits and destroy them.

The fly population is low in hot day conditions and it peaks in the rainy season. Hence adjust the sowing time accordingly.

Use polythene bags fish meal trap with 5gm of wet fish meal + 1 ml Dichlorvos in cotton. Totally 50 traps are required for a hectare, fish meal + Dichlorvos soaked cotton should be replaced once in 20 and 7 days respectively.

Neem oil @ 3.0 % as foliar spray can also be given based on the need.

Animal Husbandry:

During the summer season, snails, germs and larvae found in the dry pond water can cause health damage to the cattle, so farmers are advised, not to allow their cattle to drink water from dry/dirty water ponds.