
 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 :	23/09/2023		to
	Bulletin No:	MSSRF/ DGL /076/ 2023	Release Date :	22/09/2023		

Significant past weather	From	18/09/2023	to	21/09/2023
Parameters	Past Weather			
Rainfall (mm)	56.1			
Maximum Temperature (°C)	34-38			
Minimum Temperature (°C)	24-26			
Sky Condition (Octas)	5-8			
Relative Humidity (%)	50-93			
Wind Speed (kmph)	2-7			

Ensemble Weather Forecast until 08:30Hrs of **27-09-2024**

Parameters	23-09-2023	24-09-2023	25-09-2023	26-09-2023	27-09-2023
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	17	5	10	12	14
Maximum Temperature (°C)	37	37	36	36	36
Minimum Temperature (°C)	25	25	24	24	24
Sky Condition (Octa)	7	5	8	8	8
Max. Relative Humidity (%)	80	70	70	80	80
Min. Relative Humidity (%)	50	50	50	50	50
Wind Speed (Kmph)	6	8	6	6	8
Wind Direction	SW	NW	NW	SW	NW

SMS Advisory	Chances of Moderate rain during 23, 25, 26, 27 Sep & light rain on 24 Sep. Maximum temperature would be in the range of 36°C to 37°C and the minimum temperature would be between 24°C - 25°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 6-8 Kmph from, Southwest & Northwest directions.
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General Advisory:

Extended range Forecast for next week (22nd Sep – 05th Oct 2023):

Rainfall:

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 22nd to 28th September 2023.

As per extended range predictions, there is possibility of generally near normal to above normal rainfall likely over the district during 29th Sep to 05th October 2023.

Maximum Temperature:

Maximum temperatures is likely to be slightly below normal and are likely to be in the range 28°C to 32°C over the plains of the district during next week. 22nd to 28th September 2023.

Maximum temperatures is likely to be 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. 29th September to 05th October 2023.

Minimum Temperature:

Minimum temperatures are likely to be near normal and are likely to be in the range 20°C to 24°C over the district during next week 22nd to 28th September 2023.

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 29th September to 05th October 2023.

Since cloudy sky with humid weather is prevailing, farmers are advised to use the Blue sticky trap to monitor the aphids, leaf miners and the yellow sticky trap to monitor the incidence of other sucking pests.

Heavy rain is likely to occur at isolated places over the district on 23 September 2023. 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: (Maize, Bottle gourd & Animal Husbandry).

Maize:

The incense of Fall Armyworm was noticed 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 Pheromone trap @ 5-6 Nos per acre.

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

Add Metarhizium Anisopliae or Beauveria Bassiana @ 70gms or 70ml 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 @ 25ml + 10ml Sticky agent with 10 litres of water, stir well and spray the solution on the top of the shoot during the non-rainy days.

Bottle gourd:

The incense of Cercospora leaf spot is noticed in Bottle gourd and Bitter gourd crops. The symptoms appear on the leaves with brown, irregular spots and sooty black, angular spots. The leaf spots cause severe defoliation.

To control, spray Kasugamycin @ 35ml + Copper Oxychloride @ 20gm + Sticky agent @ 10ml with 10 litres of water.

Animal Husbandry:

The utensils used for milking can become grossly contaminated by bacteria on ancillary equipment which must also be cleaned and disinfected effectively.

Refrigerated bulk milk tanks can be cleaned either manually using cold or warm detergent/disinfectant solutions, or for the larger tanks, by automatic, programmed equipment.

In either case, cold water chlorinated (50 ppm) rinse proceeds and follows the washing solution. They should then be stored in the dairy to drain.