
 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 :	30/09/2023		to
	Bulletin No:	MSSRF/ DGL /078/ 2023	Release Date :	29/09/2023		

Significant past weather	From	26/09/2023	to	28/09/2023
Parameters	Past Weather			
Rainfall (mm)	9.8			
Maximum Temperature (°C)	35-38			
Minimum Temperature (°C)	24-25			
Sky Condition (Octas)	4-6			
Relative Humidity (%)	48-84			
Wind Speed (kmph)	4-10			

Ensemble Weather Forecast until 08:30Hrs of 04-10-2024

Parameters	30-09-2023	01-10-2023	02-10-2023	03-10-2023	04-10-2023
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	14	3	3	5	4
Maximum Temperature (°C)	36	35	35	35	35
Minimum Temperature (°C)	26	25	25	25	24
Sky Condition (Octa)	6	8	7	8	7
Max. Relative Humidity (%)	70	70	70	80	70
Min. Relative Humidity (%)	40	50	50	50	40
Wind Speed (Kmph)	10	8	8	6	8
Wind Direction	SW	SW	SW	W	NW

SMS Advisory	Chances of Moderate rain on 30 Sep & light rain during 1, 2, 3, 4 Oct. Maximum temperature would be in the range of 35°C to 36°C and the minimum temperature would be between 24°C - 26°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 6-10 Kmph from, Southwest, West & Northwest directions.
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General Advisory:

Extended range Forecast for next week (29th Sep – 12th Oct 2023):

Rainfall:

As per extended range predictions, there is possibility of near normal to slightly above normal rainfall likely over the district during 29th Sep to 12th October 2023.

Maximum Temperature:

Maximum temperatures is likely to be near normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 29th Sep to 12th 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 29th Sep to 12th October 2023.

Heavy rain is likely to occur at one or two places over the district on 30 Sep 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.

Wind with the speed of 6 to 10 kmphs 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.

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.

Weather Based Agro-Advisories: (Cotton, Bhendi & Animal Husbandry).

Cotton:

Cotton cultivating farmers are advised to apply compost as first fertilizer. Mix and Apply Superphosphate @ 150 kg per acre, Ammonium sulphate @ 40 kg per acre, and Potash @ 35 kg per acre, close to the plant. Or apply 150 kg of 20-20 fertilizer and 30 kg of potash, cover with the soil and provide irrigation.

Jasmine:

The incidence of Collar and Root Rot is expected in Jasmine. Plants at all stages are infected. First the older leaves become yellow followed by younger leaves and finally the plant dies. Black discoloration can be seen on the root. To control remove the affected plant away from the field and drench Trichoderma viride @ 1kg per acre and spray Copper oxy chloride @ 2.5gm per litre of water.

Animal Husbandry:

The incidence of mosquitoes in cowshed are predominant during this season. The female mosquitoes suck blood but do not always need blood to lay the first batch of eggs. In addition, their attacks can cause loss of weight and decreased milk production and occasionally death by suffocation or heavy blood loss. If mosquitoes are a serious problem to livestock in your area, control measures should be implemented. The most effective control method available is source reduction by removing or draining mosquito breeding sites. Daily fogging with neem leaves / benzoin or aerosol for adult mosquitoes may provide relief. but this is only a temporary control measure.