
 MSSRF <i>Science for Sustainable Development</i>	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.kanniwadi@gmail.com Fax: 044 – 22541319				
	District :	Sivagangai	Forecast Period :	30/09/2023 to 04/10/2023	
	Bulletine No :	MSSRF/SVG / 078/ 2023	Release Date :	29/09/2023	

Significant past weather	From	26/09/2023	to	28/09/2023
Parameters	Past Weather			
Rainfall (mm)	19.1			
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 04-10-2023

Parameters	30-09-2023	01-10-2023	02-10-2023	03-10-2023	04-10-2023
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	0	0	0	0	4
Maximum Temperature (°C)	36	36	35	35	35
Minimum Temperature (°C)	26	26	25	25	24
Sky Condition (Octas)	6	8	7	8	7
Max. Relative Humidity (%)	70	70	70	80	70
Min. Relative Humidity (%)	40	50	50	50	40
Wind Speed (Kmph)	14	16	16	14	14
Wind Direction	SW	SW	SW	SW	SW

SMS Advisory	Chances of light rain on 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 14-16 Kmph from, Southwest direction.
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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.

Light to Moderate rain with thunderstorm & lightning is likely to occur at one or two places over district on 30 September & 1st October 2023. Farmers are advised to take precautionary measures while grazing/herding the sheep, goat, cow on agriculture land for manuring purpose. Do not allow the animals to graze outside, standing near the trees or electric poles. Provide safe shelter for your livestock. . To safeguard your animals from lightning and thunderstorm, remove the metal bells tied to the necks of animals.

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.

Wind with the speed of 14 to 16 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: (Important Crops: Cotton, Snake gourd & Animal Husbandry)

Cotton:

The application of micronutrients will rectify the nutrient deficiency in Cotton.

Apply 5kg of Cotton nutrient mixture or 10 kg of Mg So₄ /acre.

Also mix 2kg of Azospirillum, and 2kg of Phosphobacteria with FYM/acre and apply it in the field.

Farmers cultivating cotton in rain-fed areas can take advantage of the current rainfall and provide 5 kg of cotton micronutrient or 20 kg of magnesium sulphate fertilizer per acre within 10 days of planting to address the micronutrient deficiency.

Snake gourd:

Reducing the number of male flowers and increasing the number of female flowers in gourds will support the increase in yield.

For Bitter gourds and Snake gourds, spray Ethrel @ 100 ppm (1 ml in 10 lit of water),

For Ridge gourd spray, Ethrel @ 250 ppm (2.5 ml/10 lit of water).

Spraying has to be done four times commencing from the 15th day after sowing at weekly intervals.

Animal Husbandry:

The incidence of mosquitoes in cowsheds 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 aerosoling for adult mosquitoes may provide relief. but this is only a temporary control measure.