
 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 :	Ramanathapuram	Forecast Period :	10/04/2024	to	
	Bulletin No:	MSSRF/ RMD /029/ 2024	Release Date :	09/04/2024		

Significant past weather	From	05/04/2024	to	08/04/2024
		4		4
Parameters	Past Weather			
Rainfall (mm)	0.0			
Maximum Temperature (°C)	35-36			
Minimum Temperature (°C)	26-27			
Sky Condition (Octas)	1-3			
Relative Humidity (%)	64-80			
Wind Speed (kmph)	1-7			

Ensemble Weather Forecast
 until **08:30Hrs of 14-04-2024**

Parameters	10-04-2024	11-04-2024	12-04-2024	13-04-2024	14-04-2024
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	0	0	1	5	1
Maximum Temperature (°C)	36	35	35	35	35
Minimum Temperature (°C)	28	27	28	27	28
Sky Condition (Octa)	2	1	5	7	4
Max. Relative Humidity (%)	70	70	70	70	70
Min. Relative Humidity (%)	40	40	40	40	40
Wind Speed (Kmph)	18	16	18	16	20
Wind Direction	E	E	SE	SE	E

SMS Advisory	Chances of light rain on 13 Apr. Maximum temperature would be in the range of 35°C to 36°C and the minimum temperature would be between 27°C - 28°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 16-20 Kmph from, East & Southeast directions.
-------------------------	--

General Advisory:

During the summer season, both agricultural and vegetable crops grown for more than 30 to 45 days are prone to nutrient deficiency and pest attack.

To overcome this issue, mix 350ml of Panchakaviyam and 15ml of sticky agent in 10 litres of water and spray it twice at 15 days interval.

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 three days (10.04.2024 to 12.04.2024). 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.

Wind with the speed of 16 to 20 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.

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

Cotton:

At this stage, the problem of flower and tender pod or square shedding is noticed in the cotton crop.

To avoid this, farmers are advised to go with a foliar spray of TNAU Cotton Plus @ 2½ kg/acre in 200 litres of water during the flowering and at the boll formation stages.

It reduces the flower and square shedding, improves boll bursting, increases seed cotton yield, and imparts the drought tolerance capacity of the crop.

Chilly:

To control the flower, fruit falling and to increase fruit set in chilly crop,

Spray NAA 10 ppm (10 mg/l of water) on 60 and 100 days after planting.

Also spray Triacntanol @ 1.25 ml/l on 20, 40, 60 and 80th day of planting.

Animal Husbandry:

The ewes does which are ready for mating must be supplemented with leguminous fodder and energy rich fodder along with minerals mixture and vitamins before mating where is called flushing.