
 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 :	16/03/2024	to	
	Bulletin No:	MSSRF/ RMD /022/ 2024	Release Date :	15/03/2024		

Significant past weather	From	12/03/202	to	14/03/202
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Parameters	Past Weather			
Rainfall (mm)	0.0			
Maximum Temperature (°C)	35-36			
Minimum Temperature (°C)	23-25			
Sky Condition (Octas)	2-3			
Relative Humidity (%)	59-80			
Wind Speed (kmph)	1-4			

Ensemble Weather Forecast
 until **08:30Hrs of 20-03-2024**

Parameters	16-03-2024	17-03-2024	18-03-2024	19-03-2024	20-03-2024
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	35	34	34	35	34
Minimum Temperature (°C)	24	24	23	24	25
Sky Condition (Octa)	0	0	0	0	1
Max. Relative Humidity (%)	80	70	80	80	80
Min. Relative Humidity (%)	40	40	40	40	40
Wind Speed (Kmph)	14	16	14	12	12
Wind Direction	E	E	E	E	SE

SMS Advisory	Dry weather will prevail for the next 5 days. Maximum temperature would be in the range of 34°C to 35°C and the minimum temperature would be between 23°C - 25°C. Clear sky will appear for the next five days. Wind is expected with the speed of 12-16 Kmph from, East & Southeast directions.
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General Advisory:

Livestock:

Maximum temperature is likely to increase by 1 to 2 degree Celsius above normal over the Tamilnadu for next three days.(16.03.2024 to 18.03.2024).

To protect your animal, ensure the increased mineral supplementation to the animals during hot weather to meet the increased demand for minerals.

Potassium-rich mineral mixture should be preferred for your cattle.

During the daytime, cover the sides of the cow shed with wet gunny bags.

Animals can be fed drinking water @ 80 – 100 litres per day per animal in four splits.

Agriculture:

Spraying in agriculture fields should be done only during the early morning or evening hours. Based on the soil moisture condition of the field, farmers can provide irrigation to their crops.

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

Coconut:

Due to the prevailing hot weather conditions, the incidence of Rugose Spiralling Whitefly (RSW) was noticed in coconut trees. These insects deposit honey-like waste material on the lower surface of coconut grooves. The leaves turn dark due to the spread of black fungus on them.

To control this, farmers can spray water with high pressure on the bottom and top of the coconut leaves.

Installation of yellow sticky trap @ 2 Nos. per acre can be used to attract and destroy mother insects.

When the damage is severe, add 5 ml of neem oil and 1 ml of sticky liquid and spray evenly on the base of the leaves.

Take Maida flour @ 25gm per litre of water, boil it, mix it with water and then spray it well on the black mould.

Chilly:

Dry weather with high day temperatures is favourable for the incidence of thrips in Chilli. The damage symptoms are infested leaves crinkling and curling upwards, and the flower buds become brittle and dropdown.

Early-stage infestation leads to stunted growth and a reduction in flower production and fruit setting.

If symptoms are observed in the field, spray any one of the chemicals. Fipronil 5 SC @ 300 ml/acre or Imidacloprid 17.8 SL @ 60 ml/acre or Spinetoram 11.7 SC @ 200 ml/ac.

Animal Husbandry:

Due to the prevailing hot weather conditions, it is very important to maintain the cow shed properly.

A Cow shed should be kept with a good ventilation facility.

Protect our animals from direct sunlight.

Wet jute/gunny bags can be kept laterally in the shed.