
 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 :	17/06/2023 to 21/06/2023	
	Bulletine No :	MSSRF/SVG / 048/ 2023	Release Date :	16/06/2023	

Significant past weather	From	13/06/2023	to	15/06/2023
Parameters	Past Weather			
Rainfall (mm)	12.9			
Maximum Temperature (°C)	39-40			
Minimum Temperature (°C)	26-27			
Sky Condition (Octas)	3-4			
Relative Humidity (%)	39-67			
Wind Speed (kmph)	6-8			

Ensemble Weather Forecast until 08:30Hrs of 21-06-2023

Parameters	17-06-2023	18-06-2023	19-06-2023	20-06-2023	21-06-2023
	Saturday	Sunday	Monday	Tuesday	Wednesday
Rainfall (mm)	3	6	8	8	6
Maximum Temperature (°C)	41	40	39	39	39
Minimum Temperature (°C)	26	25	25	24	24
Sky Condition (Octas)	4	8	8	8	6
Max. Relative Humidity (%)	60	70	70	80	70
Min. Relative Humidity (%)	30	30	40	50	50
Wind Speed (Kmph)	8	8	10	6	6
Wind Direction	W	NE	S	NW	SW

SMS Advisory	Chances of light rain during 17, 18, 21 Jun & Moderate rain on 19, 20 Jun. Maximum temperature would be in the range of 39°C to 41°C and the minimum temperature would be between 24°C - 26°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 6-10 Kmph from West, Northeast, South, Northwest & Southwest directions.
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Extended range Forecast for next week (16th – 22nd June 2023):

General Advisory:

Rainfall:

As per extended range predictions, there is possibility of below normal to near normal rainfall likely over the district during 16th to 22nd June 2023.

Maximum Temperature:

Maximum temperatures is likely to be generally near normal to slightly above normal and are likely to be in the range 30°C to 34°C over the plains of the district during next week. 16th to 22nd June 2023.

Minimum Temperature:

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 20°C to 24°C over the district during next week 16th to 22nd June 2023.

HEATWAVE WARNING:

For the next two days (17.06.2023 & 18.06.2023), due to the increase in maximum temperature, there are chances of the heatwave, likely to occur in isolated places of Tamil Nadu. Hence farmers are advised to plan their field activities during morning and evening hours and avoid working in the field during the noon time. Stay safe and take care. Drink adequate water.

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.

Weather Based Agro - Advisories: (Important Crops: Bhendi, Chilly & Animal Husbandry)

Bhendi:

The incense of Shoot and fruit borer were seen in Bhendi. Damages cause the terminal shoots wither and droop, shedding of buds and flowers, bore holes in fruits and feed, and deformed fruits.

To manage this, collect and destroy the affected buds, flowers and fruits. Setup pheromone trap @ 12 Nos. per hectare.

To control spray 5 ml of Azadiractin or 500ml Neem extract concentrate with 10 litres of water.

Chilly:

There are chances of incense of root rot disease in chilly.

To control this disease, soil application of organic amendments viz., neem seed powder @ 0.05g/kg, neem cake @ 0.15g/kg and mint manure @ 0.75g/kg can be done two weeks before transplanting.

Soil drenching of the fungicides viz., Tebuconazole 0.1%, Carboxin 0.25% and Chlorothalonil 0.20% at 7 days after transplanting can effectively control the disease.

Animal Husbandry:

Due to prevailing weather conditions, there is a chance for Black quarter disease in the cow. This disease usually affects young cattle of 6 months to about 2-3 years of age. The symptoms are crepitating, swelling in the hind or fore quarter, lameness, and muscles shows trembling with violent twitching. Death usually occurs within 24 hours. Hyper immune serum (HIS) is used to control explosive outbreaks. Immediately contact the local veterinarian to treat the disease. Vaccinate the cow every year one month before the rainy season.