
 <b>MSSRF</b> <small>Science for Sustainable Development</small>	<b>AgroMet Advisory Bulletin (AAB)</b> Jointly released by Regional Meteorology Centre, Chennai – India Meteorology Department, Reddiarchatham Seed Growers Association & M. S. Swaminathan Research Foundation, Kannivadi Phone no.: 044 - 22541229 E mail: <a href="mailto:amfu.kanniwadi@gmail.com">amfu.kanniwadi@gmail.com</a> Fax: 044 – 22541319				
	District :	<b>Sivagangai</b>	Forecast Period :	<b>21/06/2023</b> to <b>25/06/2023</b>	
	Bulletine No :	<b>MSSRF/SVG / 049/ 2023</b>	Release Date :	<b>20/06/2023</b>	

Significant past weather	From	16/06/2023	to	19/06/2023
Parameters	Past Weather			
Rainfall (mm)	0.5			
Maximum Temperature (°C)	35-41			
Minimum Temperature (°C)	26-27			
Sky Condition (Octas)	3-7			
Relative Humidity (%)	35-70			
Wind Speed (kmph)	2-9			

**Ensemble Weather Forecast until 08:30Hrs of 25-06-2023**

Parameters	21-06-2023	22-06-2023	23-06-2023	24-06-2023	25-06-2023
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	6	3	3	12	3
Maximum Temperature (°C)	37	36	35	34	34
Minimum Temperature (°C)	27	26	25	25	24
Sky Condition (Octas)	8	8	8	8	8
Max. Relative Humidity (%)	70	70	70	70	70
Min. Relative Humidity (%)	50	40	40	40	40
Wind Speed (Kmph)	10	12	6	8	10
Wind Direction	SW	SW	SW	SW	SW

<b>SMS</b> <b>Advisory</b>	Chances of light rain during 21, 22, 23, 25 Jun & Moderate rain on 24 Jun. Maximum temperature would be in the range of 34°C to 37°C and the minimum temperature would be between 24°C - 27°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 6-12 Kmph from Southwest direction.
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**Extended range Forecast for next week (23<sup>rd</sup> – 29<sup>th</sup> June 2023):**

**General Advisory**

**Rainfall:**

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 23<sup>rd</sup> to 29<sup>th</sup> June 2023.

**Maximum Temperature:**

Maximum temperatures is likely to be near normal and are likely to be in the range 32°C to 36°C over the plains of the district during next week. 23<sup>nd</sup> to 29<sup>th</sup> 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 23<sup>nd</sup> to 29<sup>th</sup> June 2023.

Light to Moderate rain with thunderstorm and lightning is likely to occur at one or two places over district during 21, 22, 23, 24 & 25 June 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.

Since some amount of rainfall has been received recently, and rainfall is expected for the coming days, farmers can plan for ploughing and land preparation activities, and sowing/transplanting work can be started in the already prepared lands. Farmers are also advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rainwater. Postpone the spraying activities for a short while.

#### **Weather Based Agro - Advisories: (Important Crops: Paddy, Coconut & Animal Husbandry)**

##### **Paddy:**

Since Rainfall is expected in the coming days, farmers planning to plant paddy in the month of August can sow green manures such as Sunhemp, Dhaincha, and Wild indigo in their field and fold it (ploughed) at the time of flowering, ie 45 days later to increase the organic content of the soil.

##### **Coconut:**

The incense of Termite is noticed in coconut grooves. Pest population occurs round the year but population increases during June – Sep coinciding with the onset of monsoon.

Termites are likely to cause damage to transplanted seedlings, particularly in the earlier stage. (wilting of seedlings). The base of the trunks is plastered with runways made of soil and fibres.

Locate termite mounds in or near the coconut nursery or garden and destroy them.

Adopt field sanitation by disposal of organic matter in nursery soil and covering germinating nuts with a layer of river sand.

Spray Copper Sulphate 1% or Cashew Nut Shell oil 80% or spray Chlorpyriphos @ 3ml/lit of water, Neem Oil 5% or NSKE 20% to preserve plaited coconut leaves from the termite attack.

Apply calcium at the base of the trunk to control the termite attack. For effective control, swab with neem oil 5% once on the base and up to 2 metre height of the trunk.

##### **Animal Husbandry:**

Farmers are advised to provide 2 to 3 grams of baking soda and 15 to 20gms of cooking salt with the routine daily feed of cows, this will help to increase the SNF rate in the milk.