
 <b>MSSRF</b> <i>Science for Sustainable Development</i>	<b>AgroMet Advisory Bulletin (AAB)</b> 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: <a href="mailto:amfu.kanniwadi@gmail.com">amfu.kanniwadi@gmail.com</a> Fax: 044 – 22541319				
	District :	<b>Sivagangai</b>	Forecast Period :	<b>18/10/2023</b> to <b>22/10/2023</b>	
	Bulletine No :	<b>MSSRF/SVG / 083/ 2023</b>	Release Date :	<b>17/10/2023</b>	

Significant past weather	From	13/10/2023	to	16/10/2023
Parameters	Past Weather			
Rainfall (mm)	0.3			
Maximum Temperature (°C)	32-34			
Minimum Temperature (°C)	23-25			
Sky Condition (Octas)	6-7			
Relative Humidity (%)	68-95			
Wind Speed (kmph)	1-4			

**Ensemble Weather Forecast until 08:30Hrs of 22-10-2023**

Parameters	18-10-2023	19-10-2023	20-10-2023	21-10-2023	22-10-2023
	Wednesday	Thursday	Friday	Saturday	Sunday
Rainfall (mm)	25	3	8	10	8
Maximum Temperature (°C)	31	31	31	30	30
Minimum Temperature (°C)	23	23	23	22	22
Sky Condition (Octas)	8	8	8	6	6
Max. Relative Humidity (%)	96	96	96	92	92
Min. Relative Humidity (%)	78	78	78	74	74
Wind Speed (Kmph)	6	6	6	5	5
Wind Direction	E	E	E	SE	SE

<b>SMS</b> <b>Advisory</b>	Chances of Moderate rain during 18, 20, 21 & 22 Oct. Maximum temperature would be in the range of 30°C to 31°C and the minimum temperature would be between 22°C - 23°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 5-6 Kmph from, East & Southeast directions.
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**General Advisory:**

It is expected to receive rainfall in the forthcoming days. Hence the vegetable, fruit, and flower cultivating farmers are requested to carry out top dressing of manure followed by the earth-up operation.

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

**Groundnut:**

There is a possibility of root rot in the groundnut crop due to continuous rains and stagnation of rainwater in the fields.

To control the impact of root rot, sprinkle Pseudomonas and Trichoderma viride with sand at the rate of each one kg per acre.

As a precautionary measure, before sowing, treat the seeds with Trichoderma viride and Bacillus subtilus, each at the rate of 10g per kg of seed.

### **Paddy:**

The incidence of Paddy Leaf folder is expected in Paddy crop, the symptoms are leaves folding longitudinally and larvae remaining inside. Larvae scrap the green tissue of the leaves and become white and dry. During a severe infestation, the whole field exhibits a scorched appearance.

To control this, tie Trichogramma egg parasitoid cards @ 5cc per acre, thrice at the 37<sup>th</sup>, 44<sup>th</sup>, and 51<sup>st</sup> days after transplanting.

Avoid excessive application of urea.

Install Light trap at 1No. per acre.

Spray NSKE @ 5ml per litre of water or spray Chlorpyrifos 20 EC @ 5ml per litre of water.

### **Animal Husbandry:**

Hemorrhagic Septicemia disease may affect cattle during the rainy season. This disease mainly affects the cow, buffalo, and crossbreed cows.

The main symptoms are fever, dysentery, and swelling of the lower mandible.

Farmers are advised to approach the nearby veterinarian and vaccinate the animal once a year.