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|  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.kannivadi@gmail.com Fax: 044 – 22541319 | | | |  |
| | District : | Sivagangai | Forecast Period : | 07/10/2023 to 11/10/2023 | |
| | Bulletine No : | MSSRF/SVG / 080/ 2023 | Release Date : | 06/10/2023 | |

| Significant past weather | From | 03/10/2023 | to | 05/10/2023 |
|--------------------------|--------------|------------|----|------------|
| Parameters | Past Weather | | | |
| Rainfall (mm) | 0.0 | | | |
| Maximum Temperature (°C) | 35-39 | | | |
| Minimum Temperature (°C) | 25 | | | |
| Sky Condition (Octas) | 3-4 | | | |
| Relative Humidity (%) | 44-68 | | | |
| Wind Speed (kmph) | 4-12 | | | |

Ensemble Weather Forecast until 08:30Hrs of 11-10-2023

| Parameters | 07-10-2023 | 08-10-2023 | 09-10-2023 | 10-10-2023 | 11-10-2023 |
|----------------------------|------------|------------|------------|------------|------------|
| | Saturday | Sunday | Monday | Tuesday | Wednesday |
| Rainfall (mm) | 5 | 5 | 15 | 25 | 18 |
| Maximum Temperature (°C) | 37 | 37 | 36 | 36 | 36 |
| Minimum Temperature (°C) | 24 | 24 | 23 | 23 | 23 |
| Sky Condition (Octas) | 6 | 6 | 8 | 8 | 8 |
| Max. Relative Humidity (%) | 70 | 70 | 70 | 78 | 78 |
| Min. Relative Humidity (%) | 64 | 64 | 64 | 60 | 60 |
| Wind Speed (Kmph) | 12 | 12 | 12 | 8 | 8 |
| Wind Direction | S | S | S | SW | SW |

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|-------------------------|--|
| SMS Advisory | Chances of light rain on 7, 8 Oct & Moderate rain during 9, 10, 11 Oct. Maximum temperature would be in the range of 36°C to 37°C and the minimum temperature would be between 23°C - 24°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 8-12 Kmph from, South & Southwest directions. |
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General Advisory:

Extended range Forecast for next week (06th – 19th Oct 2023):

Rainfall:

As per extended range predictions, there is possibility of below normal rainfall likely over the district during 06th to 12th October 2023.

As per extended range predictions, there is possibility of above normal rainfall likely over the district during 13rd to 19th October 2023.

Maximum Temperature:

Maximum temperatures is likely to be near normal to slightly above normal and are likely to be in the range 28°C to 32°C over the plains of the district during next week. 06th to 19th October 2023.

Minimum Temperature:

Minimum temperatures are likely to be near normal to above normal and are likely to be in the range 18°C to 24°C over the district during next week. 06th to 19th October 2023.

Minimum temperatures are likely to be near normal and are likely to be in the range 18°C to 24°C over the district during next week 13rd to 19th October 2023.

Since Moderate rainfall is expected for the coming days, farmers are advised to provide adequate drainage facilities to all crops fields. Avoid application of fertilizers and insecticides to the crops.

Weather Based Agro - Advisories: (Important Crops: Pulses, Brinjal & Animal Husbandry)

Pulses:

Due to the prevailing weather condition the incidence of root rot in Pulses. Initially mild scattered yellow spots appear on young leaves. Spots gradually increase in size and ultimately some leaves turn completely yellow. Infected leaves also show necrotic symptoms.

Diseased plants are stunted, mature late and produce very few flowers and pods. Pods of infected plants are reduced in size and turn yellow in colour.

Soil application of *Pseudomonas fluorescens* or *Trichoderma viride* – 2.5 kg / ha + 50 kg of well decomposed FYM.

Spot drenching of Azoxystrobin @ 25 ml per tank.

Brinjal:

To increase the yield in Brinjal, farmers are advised to spray growth regulators in Brinjal fields.

Spray 1ml of Triaccontanol plus Sodium Borate or Borax @ 35 mg/litre of water, 15 days after transplanting and at the time of full bloom to increase the yield.

Animal Husbandry:

Some amount of rain is received and rain is also expected for the coming days.

This situation is favourable for the development of Aflatoxin infection in the Corn kernels and Paddy Straw, which may affect the health of your cattle.

To save your cattle from infection, dry the corn kernels and paddy straw in sunlight before feeding.