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|  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 : | Dindigul | Forecast Period : | 03/01/2024 | to | |
| | Bulletin No: | MSSRF/ DGL /001/ 2024 | Release Date : | 02/01/2024 | | |

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|---------------------------------|---------------------|------------------|----|------------------|
| Significant past weather | From | 29/12/202 | to | 01/01/202 |
| | | 3 | | 4 |
| Parameters | Past Weather | | | |
| Rainfall (mm) | 0.0 | | | |
| Maximum Temperature (°C) | 31-32 | | | |
| Minimum Temperature (°C) | 23 | | | |
| Sky Condition (Octas) | 4-6 | | | |
| Relative Humidity (%) | 58-83 | | | |
| Wind Speed (kmph) | 5-9 | | | |

Ensemble Weather Forecast
 until **08:30Hrs of 07-01-2024**

| Parameters | 03-01-2024 | 04-01-2024 | 05-01-2024 | 06-01-2024 | 07-01-2024 |
|----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | Wednesday | Thursday | Friday | Saturday | Sunday |
| Rainfall (mm) | 3 | 4 | 6 | 6 | 4 |
| Maximum Temperature (°C) | 32 | 31 | 31 | 29 | 29 |
| Minimum Temperature (°C) | 23 | 22 | 21 | 21 | 20 |
| Sky Condition (Octa) | 6 | 7 | 4 | 7 | 8 |
| Max. Relative Humidity (%) | 90 | 90 | 90 | 90 | 90 |
| Min. Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |
| Wind Speed (Kmph) | 8 | 6 | 6 | 6 | 8 |
| Wind Direction | NE | E | E | NE | E |

| | |
|---------------------|---|
| SMS Advisory | Chances of light rain during 3, 4, 5, 6 & 7 Jan. Maximum temperature would be in the range of 29°C to 32°C and the minimum temperature would be between 20°C-23°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 6-8 Kmph from, Northeast & East directions. |
|---------------------|---|

General Advisory:

Since very less amount of rainfall is forecasted for next 5 days, Maize & Cotton cultivators are advised to plan for harvest.

Since cloudy humid weather is prevailing, farmers are advised to use the yellow sticky trap @ 10-15/acre to monitor the incidence of sucking pests and Blue sticky trap @ 5-10/acre to monitor the aphids and leaf miner.

Weather Based Agro-Advisories: (Guava, Beans & Animal Husbandry).

Guava:

The incidence of Fruit Flies is noticed in Guava. The symptoms of damage appear on fruits. The fruit fly adults and maggots attack the semi-ripened fruits, ovipositor punctures are found on fruits, maggots destroy the pulp and a bad smell comes out of it.

To control this, set up a pheromone trap. Fill a 5-litre bucket with 3 litres water + 2 dry fish + 50gm Jaggery + 2 well-rotten Bananas + 1kg castor cake + 2 pieces of Pineapple and fix it as 12 Nos per Acre.

Beans:

There are chances for the incidence of Powdery mildew in Beans crop. The symptom of damage is small cottony spots appearing on the infected leaves. Defoliation of severely infected plants occurs before maturity.

To prevent this, spray Pseudomonas @ 60gms + Trichoderma Viride @ 60gms per 10litres of water along with 10ml of Sticky agent, 2 times in 10 days interval.

During severe infection, spray Tebuconazole @ 100ml per acre with sticky agent @ 1ml per 1 litre of water.

Animal Husbandry:

As the night temperature is very low, keep the cattle safely in the sheds.

Tie the jute bags around the shed. Allow the cattle to graze 2 hours after sunrise.