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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 : | 19/06/2024 | to | |
| | Bulletin No: | MSSRF/ DGL /049/ 2024 | Release Date : | 18/06/2024 | | |

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|---------------------------------|---------------------------------------------|
| Significant past weather | From 14/06/2024 to 17/06/2024 |
| | 4 to 4 |
| Parameters | Past Weather |
| Rainfall (mm) | 0.4 |
| Maximum Temperature (°C) | 38-40 |
| Minimum Temperature (°C) | 26-27 |
| Sky Condition (Octas) | 4-5 |
| Relative Humidity (%) | 39-65 |
| Wind Speed (kmph) | 8-18 |

Ensemble Weather Forecast
until **08:30Hrs of 23-06-2024**

| Parameters | 19-06-2024 | 20-06-2024 | 21-06-2024 | 22-06-2024 | 23-06-2024 |
|----------------------------|------------|------------|------------|------------|------------|
| | Wednesday | Thursday | Friday | Saturday | Sunday |
| Rainfall (mm) | 8 | 5 | 3 | 5 | 25 |
| Maximum Temperature (°C) | 39 | 38 | 37 | 37 | 36 |
| Minimum Temperature (°C) | 25 | 24 | 23 | 23 | 22 |
| Sky Condition (Octa) | 8 | 7 | 7 | 8 | 8 |
| Max. Relative Humidity (%) | 70 | 70 | 70 | 70 | 80 |
| Min. Relative Humidity (%) | 50 | 40 | 40 | 50 | 70 |
| Wind Speed (Kmph) | 20 | 18 | 20 | 18 | 16 |
| Wind Direction | SW | W | W | W | SW |

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| SMS Advisory | Chances of light to Moderate rain during the next five days. Maximum temperature would be in the range of 36°C to 39°C and the minimum temperature would be between 22°C - 25°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 16-20 Kmph from, Southwest & West directions. |
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General Advisory:

Extended range Forecast for next week (21st to 27th June 2024):

Rainfall:

As per extended range predictions, there is possibility of below normal rainfall likely over the district during 21st to 27th June 2024.

Maximum Temperature:

Maximum temperatures are likely to be near normal to slightly above normal and are likely to be in the range 28°C to 34°C over the plains of the district during next week. 21st to 27th June 2024.

Minimum Temperature:

Minimum temperatures are likely to be near normal to slightly above normal and are likely to be

Heavy rain is likely to occur at isolated places over the district on 23 June 2024. Farmers are advised to act swiftly to repair the water channels, farm ponds and other water bodies to harvest the rain water. During these days farmers are advised to avoid irrigation, intercultural operations and application of plant protection measures to the standing crops, provide adequate drainage facilities in the fields to avoid water stagnation due to heavy rainfall, do not allow the animals to grazing outside, standing near the trees or electric poles & provide safe shelter.

Wind with the speed of 16 to 20 kmph is expected for the next five days. Hence farmers are advised to provide propping in sugarcane and to provide adequate support for crops like Banana, Papaya, Guava and Moringa, to prevent from lodging. For Gourds check the structures /pandhals for damages in the strings and poles and provide adequate support. Postpone the spraying activity.

Agriculture:

Farmers planning to cultivate vegetable crops are advised to apply 200 kg of well decomposed farm yard manure along with each 1 kg of *Trichoderma viride* and *Pseudomonas fluorescens* per acre.

Weather Based Agro-Advisories: (Tomato, Groundnut & Animal Husbandry)

Tomato:

The incense of Leaf Curl virus disease is noticed in Tomatoes. The symptom appears on newly grown plants, tomato yellow leaf curl virus reduces the internodes and also gives the plant a stunted appearance.

The new leaves also greatly reduce in size, wrinkled and yellowed between the veins. Leaf margins that curl upward, giving them a cup-like appearance.

Flowers may appear but usually will drop before the fruit set.

To control spray the composite of *Pseudomonas* 40gm + Fermented curd 250ml + 2 egg whites with 10 litres of water.

Groundnut:

In Groundnut cultivation, June month is suitable for sowing and also good for getting a high yield.

Seed treatment is very important for Groundnuts. Treat the seeds with *Trichoderma viride* @ 10gm/kg of seed.

Bio-control agents are compatible with bio-fertilizers. First, treat the seeds with bio-control agents and then with *Rhizobium*.

Fungicides and bio-control agents are incompatible; hence such seeds should not be treated with fungicides.

Treatment with *Trichoderma viride* can be done just before sowing. If seed treatment was not carried out, apply 2kg of *Rhizobium*, 2kg of Phosphobacteria with 25 kg of FYM and 25 kg of sand per hectare.

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.