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| <br><b>MSSRF</b><br><small>Science for Sustainable Development</small> | <b>AgroMet Advisory Bulletin (AAB)</b><br>Jointly released by<br>Regional Meteorology Centre, Chennai – India Meteorology Department,<br>Reddiarchathram Seed Growers Association &<br>M. S. Swaminathan Research Foundation, Kannivadi<br>Phone no.: 044 - 22541229 E mail: <a href="mailto:amfu.kanniwadi@gmail.com">amfu.kanniwadi@gmail.com</a> Fax: 044 – 22541319 |                              |                   |  |  |
|   | District :  | <b>Theni</b>                 | Forecast Period : | <b>15/05/2024</b> to <b>19/05/2024</b> |   |
|   | Bulletine No :  | <b>MSSRF/ THN/ 039/ 2024</b> | Release Date :    | <b>14/05/2024</b>                      |   |

|                                 |                     |                  |           |                  |
|---------------------------------|---------------------|------------------|-----------|------------------|
| <b>Significant past weather</b> | <b>From</b>         | <b>10/05/202</b> | <b>to</b> | <b>13/05/202</b> |
|                                 |                     | <b>4</b>         |           | <b>4</b>         |
| <b>Parameters</b>               | <b>Past Weather</b> |                  |           |                  |
| Rainfall (mm)                   | 48.5                |                  |           |                  |
| Maximum Temperature (°C)        | 39-40               |                  |           |                  |
| Minimum Temperature (°C)        | 26-27               |                  |           |                  |
| Sky Condition (Octas)           | 5-7                 |                  |           |                  |
| Relative Humidity (%)           | 54-84               |                  |           |                  |
| Wind Speed (kmph)               | 6-11                |                  |           |                  |

**Ensemble Weather Forecast**      **08:30Hrs of 19-05-2024**  
 until

| Parameters                 | 15-05-2024 | 16-05-2024 | 17-05-2024 | 18-05-2024 | 19-05-2024 |
|----------------------------|------------|------------|------------|------------|------------|
|                            | Wednesday  | Thursday   | Friday     | Saturday   | Sunday     |
| Rainfall (mm)              | 28         | 31         | 34         | 29         | 14         |
| Maximum Temperature (°C)   | 34         | 32         | 31         | 30         | 30         |
| Minimum Temperature (°C)   | 25         | 23         | 22         | 21         | 21         |
| Sky Condition (Octas)      | 8          | 8          | 6          | 8          | 8          |
| Max. Relative Humidity (%) | 80         | 80         | 80         | 80         | 80         |
| Min. Relative Humidity (%) | 40         | 60         | 50         | 50         | 50         |
| Wind Speed (Kmph)          | 4          | 4          | 4          | 6          | 10         |
| Wind Direction             | NE         | SW         | W          | SW         | W          |

|                         |  |
|-------------------------|--|
| <b>SMS<br/>Advisory</b> | Chances of Moderate rain during 15, 16, 17, 18 & 19 May. Maximum temperature would be in the range of 30°C to 34°C and the minimum temperature would be between 21°C - 25°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 4-10 Kmph from, Northeast, Southwest & West directions. |
|-------------------------|--|

**General Advisory:**

Heavy rain is likely to occur at isolated places over the district during 15, 16, 17 & 18 May 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, inter-cultural 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.

Thunderstorms & lightning with light to Moderate rain are likely to occur at one or two places over the Tamilnadu during 15 to 9 May 2024. Gusty Wind with a speed of 30 to 50 kmph is expected for the same 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. Do not allow the animals to graze outside, standing near the trees, and don't tie the animals to electric poles. Provide safe shelter.

Rainfall occurred in a few places during the past few days, and rain is also forecasted for the coming days, farmers are advised to start summer plough work to increase the capacity of the soil to absorb the rainwater and by overturning the soil, the sharp rays of sun enters the soil and kills the eggs, larvae, and pupae of soil-borne insects and pests

### **Weather Based Agro-Advisories: (Mango, Grapes & Animal Husbandry)**

#### **Mango:**

It is important to control the flower and finches shedding in Mango crops. It is also essential to follow the yield-increasing practices in Mango.

To increase fruit retention, farmers are advised to spray, NAA @ 20ppm at the flowering stage.

If the trees do not flower, by that time, to induce the flowering, spray any one of the following, 0.5% Urea (5g/lit.) OR 1% Potassium Nitrate (10g/lit.).

#### **Grapes:**

Prevailing weather is suitable for pruning in grape fields. In general, four-bud level pruning can be adopted for Muscat, Green grapes, and hybrids, and two-bud level pruning for Thompson Seedless.

It is better to decide the level of pruning as per the bud forecasting technique. Weak and immature canes should be pruned with one or two buds to induce vegetative growth.

Pruning can be done during May & June months for monsoon crops.

#### **Animal Husbandry:**

Provide B-Complex liquid supplementation through drinking water to poultry birds to combat heat stress.

Farmers are advised to reduce the number of birds in a unit area of poultry shed to overcome the heat stress.