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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>10/07/2024</b> to <b>14/07/2024</b> |   |
|   | Bulletine No :  | <b>MSSRF/ THN/ 055/ 2024</b> | Release Date :    | <b>09/07/2024</b>                      |   |

|                                 |  |
|---------------------------------|--|
| <b>Significant past weather</b> | <b>From</b> <b>05/07/202</b> <b>to</b> <b>08/07/202</b><br><b>4</b> <b>to</b> <b>4</b> |
| <b>Parameters</b>               | <b>Past Weather</b>  |
| Rainfall (mm)                   | 2.7  |
| Maximum Temperature (°C)        | 37-40  |
| Minimum Temperature (°C)        | 26-27  |
| Sky Condition (Octas)           | 5-7  |
| Relative Humidity (%)           | 42-75  |
| Wind Speed (kmph)               | 8-11   |

**Ensemble Weather Forecast** **08:30Hrs of 14-07-2024**  
 until

| Parameters                 | 10-07-2024 | 11-07-2024 | 12-07-2024 | 13-07-2024 | 14-07-2024 |
|----------------------------|------------|------------|------------|------------|------------|
|                            | Wednesday  | Thursday   | Friday     | Saturday   | Sunday     |
| Rainfall (mm)              | 0          | 2          | 1          | 5          | 3          |
| Maximum Temperature (°C)   | 33         | 34         | 33         | 33         | 32         |
| Minimum Temperature (°C)   | 22         | 22         | 21         | 21         | 20         |
| Sky Condition (Octas)      | 6          | 5          | 7          | 8          | 8          |
| Max. Relative Humidity (%) | 80         | 80         | 80         | 80         | 80         |
| Min. Relative Humidity (%) | 50         | 50         | 50         | 50         | 50         |
| Wind Speed (Kmph)          | 12         | 10         | 10         | 10         | 12         |
| Wind Direction             | W          | W          | W          | W          | W          |

|                               |  |
|-------------------------------|--|
| <b>SMS</b><br><b>Advisory</b> | Chances of light rain during 11, 12, 13 & 14 July. Maximum temperature would be in the range of 32°C to 34°C and the minimum temperature would be between 20°C - 22°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 10-12 Kmph from, West directions. |
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**General Advisory:**

**Extended range Forecast for next week (12<sup>th</sup> to 18<sup>th</sup> July 2024):**

**Rainfall:**

As per extended range predictions, there is possibility of below normal rainfall likely over the district during 12<sup>th</sup> to 18<sup>th</sup> July 2024.

**Maximum Temperature:**

Maximum temperatures are likely to be generally normal and are likely to be in the range 26°C to 32°C over the plains of the district during next week. 12<sup>th</sup> to 18<sup>th</sup> July 2024.

**Minimum Temperature:**

Minimum temperatures are likely to be near normal and are likely to be in the range 20°C to 24°C over the district during next week 12<sup>th</sup> to 18<sup>th</sup> July 2024.

### **Agriculture:**

During Aadi pattam (July-August), farmers can soak seed in one percent potassium chloride solution for 6 hours one day before sowing of quality seeds and leave it to dry for 16 hours in the shade before sowing.

Through this seed hardening treatment, the young seedlings get uniform germination capacity and growth.

Also the seedlings emerge and develop into active seedlings.

### **Weather Based Agro-Advisories: (Banana, Lemon & Animal Husbandry)**

#### **Banana:**

The incense of Mosaic virus is expected in Banana. The symptoms are found in foliage with chlorotic mottling or stripes, distorted leaves and distorted fruit with chlorotic streaks.

To control spray Neem oil @ 40ml + Trichoderma viride @ 40gm + sticky agent @ 10ml with 10 liters of water.

#### **Lemon:**

Prevailing weather conditions, there is the incense of Fruit sucking moth in Acid lime. Keep the field clean without weeds.

Bait with fermented molasses plus Abamectin @ 50 ml/acre can be used to control. Cover the fruits with polythene bags punctured at the bottom.

Apply smoke and set up light traps or food lures (pieces of citrus fruits) to control the pest.

#### **Animal Husbandry:**

Due to the prevailing weather condition, there are chances for infection of external parasites in goats and sheep.

To remove and control the parasites, Mix 2ml of Butox in one litre of water and apply this Butox solution externally on your sheep & goats.

This solution is only for external use not for internal purposes.