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|  MSSRF <small>Science for Sustainable Development</small> | 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.kanniwadi@gmail.com Fax: 044 – 22541319 | | | | |  | |
| | District : | Theni | Forecast Period : | 29/05/2024 | to | | 02/06/2024 |
| | Bulletine No : | MSSRF/ THN/ 043/ 2024 | Release Date : | 28/05/2024 | | | |

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|---------------------------------|---------------------|------------------------------|-----------|------------------------------|
| Significant past weather | From | 24/05/202 4 | to | 27/05/202 4 |
| Parameters | Past Weather | | | |
| Rainfall (mm) | 13.6 | | | |
| Maximum Temperature (°C) | 34-37 | | | |
| Minimum Temperature (°C) | 26-27 | | | |
| Sky Condition (Octas) | 5-8 | | | |
| Relative Humidity (%) | 51-88 | | | |
| Wind Speed (kmph) | 3-8 | | | |

Ensemble Weather Forecast **08:30Hrs of 02-06-2024**
 until

| Parameters | 29-05-2024 | 30-05-2024 | 31-05-2024 | 01-06-2024 | 02-06-2024 |
|----------------------------|------------|------------|------------|------------|------------|
| | Wednesday | Thursday | Friday | Saturday | Sunday |
| Rainfall (mm) | 2 | 2 | 6 | 8 | 10 |
| Maximum Temperature (°C) | 34 | 33 | 32 | 32 | 30 |
| Minimum Temperature (°C) | 23 | 22 | 22 | 21 | 20 |
| Sky Condition (Octas) | 7 | 5 | 8 | 8 | 8 |
| Max. Relative Humidity (%) | 80 | 80 | 80 | 80 | 80 |
| Min. Relative Humidity (%) | 50 | 50 | 50 | 50 | 40 |
| Wind Speed (Kmph) | 14 | 14 | 10 | 10 | 10 |
| Wind Direction | W | W | W | W | W |

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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 30°C to 34°C and the minimum temperature would be between 20°C - 23°C. Cloudy sky will appear for the next five days. Wind is expected with the speed of 10-14 Kmph from, West direction. |
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General Advisory:

Extended range Forecast for next week (31st May to 06th June 2024):

Rainfall:

As per extended range predictions, there is possibility of below normal to near normal rainfall likely over the district during 31th May to 06th June 2024.

Maximum Temperature:

Maximum temperatures are likely to be slightly below normal to near normal and are likely to be in the range 28°C to 34°C over the plains of the district during next week. 31th May to 06th June.

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 31st May to 06th June 2024.

Wind with the speed of 10 to 14 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.

Maximum temperatures is likely to be above normal by 2 - 3°C one or two places and are likely to be in the range of 30°C to 34°C, over the district from 29th to 31st May 2024

Weather Based Agro-Advisories: (Rose, Black gram & Animal Husbandry)

Rose:

Since the monsoon is expected in a couple of weeks. Flower cultivators are advised to prepare for planting the rose cuttings.

Cuttings with 2-3 buds are suitable for planting.

Dug, pits of 45 cm x 45 cm x 45 cm at 2m x 1m spacing.

Apply 10 kg of Farm Yard Manure to each pit before planting.

Black gram:

In rice fallow black gram, spray DAP (2%) + KCl (1%) solution in the morning or evening at flower initiation and another at 15-day intervals.

Alternatively, “pulse wonder” at 5.0 kg/ha can be sprayed during flower initiation.

Animal Husbandry:

Due to the prevailing weather conditions, Enterotoxaemia disease may affect the Goats. The main symptom of the disease is sudden death in young growing kids. Mucous diarrhea may also be seen during death.

To prevent this disease, do not feed on young grass, allow the goat to graze one hour after the sunshine.

Vaccinate the animals once a year before the onset of monsoon.