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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.kanniwadi@gmail.com Fax: 044 – 22541319 | | | | |  | |
| | District : | Theni | Forecast Period : | 05/07/2023 | to | | 09/07/2023 |
| | Bulletine No : | MSSRF/ THN/ 053/ 2023 | Release Date : | 04/07/2023 | | | |

| Significant past weather | | From | 30/06/2023 | to | 03/07/2023 |
|--------------------------|--------------|------|------------|----|------------|
| Parameters | Past Weather | | | | |
| Rainfall (mm) | 2.8 | | | | |
| Maximum Temperature (°C) | 39-40 | | | | |
| Minimum Temperature (°C) | 24-27 | | | | |
| Sky Condition (Octas) | 4-6 | | | | |
| Relative Humidity (%) | 34-69 | | | | |
| Wind Speed (kmph) | 9-18 | | | | |

Ensemble Weather Forecast until 08:30Hrs of 09-07-2023

| Parameters | 05-07-2023 | 06-07-2023 | 07-07-2023 | 08-07-2023 | 09-07-2023 |
|----------------------------|------------|------------|------------|------------|------------|
| | Wednesday | Thursday | Friday | Saturday | Sunday |
| Rainfall (mm) | 18 | 18 | 16 | 2 | 4 |
| Maximum Temperature (°C) | 35 | 34 | 33 | 33 | 32 |
| Minimum Temperature (°C) | 24 | 23 | 23 | 22 | 22 |
| Sky Condition (Octas) | 8 | 8 | 8 | 8 | 8 |
| Max. Relative Humidity (%) | 70 | 70 | 70 | 70 | 70 |
| Min. Relative Humidity (%) | 50 | 50 | 50 | 50 | 50 |
| Wind Speed (Kmph) | 14 | 12 | 10 | 12 | 10 |
| Wind Direction | W | W | W | W | W |

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| SMS Advisory | Chances of Moderate rain during 5, 6, 7 Jul & light rain on 8, 9 Jul. Maximum temperature would be in the range of 32°C to 35°C and the minimum temperature would be between 22°C - 24°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 10-14 Kmph from, West direction. |
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General Advisory:

Extended range Forecast for next week (07th – 13rd July 2023):

Rainfall:

As per extended range predictions, there is possibility of near normal to slightly above normal rainfall likely over the district during 07th to 13rd July 2023.

Maximum Temperature:

Maximum temperatures is likely to be near normal and are likely to be in the range 28°C to 34°C over the plains of the district during next week. 07th to 13rd July 2023.

Minimum Temperature:

Minimum temperatures are likely to be near normal and are likely to be in the range 18°C to 24°C over the district during next week 07th to 13rd July 2023.

Heavy rain is likely to occur at one or two places over the district on 5, 6 & 7 July 2023. 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.

Weather Based Agro-Advisories: (Paddy, Onion & Animal Husbandry)

Paddy:

The application of Biofertilizer in Paddy will give good results.

Raise Azolla as a dual crop by inoculating 250kg/ha 3 to 5 DAT and then incorporating it during weeding for the wet season crop.

Broadcast 10kg of soil-based powdered BGA flakes at 10 DAT and maintain a thin film of water for multiplication.

Onion:

The incense of Botrytis leaf blight is noticed in Onion. The symptoms are seen on the foliage with hundreds of white specks.

The disease then spreads very rapidly and tops of the entire crop may be killed. Light infections do not affect yields but heavy infections cause major yield reductions.

To control spray Propineb70%WP @ 15gm + 10ml sticky agent with 10litres of water.

Animal Husbandry:

Goat rearing farmers are advised to prevent the goat from Tapeworm, which leads to mortality and weight loss.

Goats have to be de-wormed from July to September, if not yet done, contact the nearby veterinarian and provide deworming medicines to your goats.