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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 : | 23/08/2023 | to | | 27/08/2023 |
| | Bulletine No : | MSSRF/ THN/ 067/ 2023 | Release Date : | 22/08/2023 | | | |

| Significant past weather | From | 18/08/2023 | to | 21/08/2023 |
|--------------------------|--------------|------------|----|------------|
| Parameters | Past Weather | | | |
| Rainfall (mm) | 0.1 | | | |
| Maximum Temperature (°C) | 37-39 | | | |
| Minimum Temperature (°C) | 25-26 | | | |
| Sky Condition (Octas) | 3-5 | | | |
| Relative Humidity (%) | 39-66 | | | |
| Wind Speed (kmph) | 7-13 | | | |

Ensemble Weather Forecast until 08:30Hrs of 27-08-2023

| Parameters | 23-08-2023 | 24-08-2023 | 25-08-2023 | 26-08-2023 | 27-08-2023 |
|----------------------------|------------|------------|------------|------------|------------|
| | Wednesday | Thursday | Friday | Saturday | Sunday |
| Rainfall (mm) | 7 | 3 | 1 | 0 | 4 |
| Maximum Temperature (°C) | 36 | 35 | 35 | 34 | 34 |
| Minimum Temperature (°C) | 24 | 24 | 23 | 23 | 23 |
| Sky Condition (Octas) | 8 | 7 | 6 | 6 | 5 |
| Max. Relative Humidity (%) | 80 | 70 | 70 | 70 | 70 |
| Min. Relative Humidity (%) | 40 | 30 | 30 | 40 | 40 |
| Wind Speed (Kmph) | 10 | 10 | 8 | 6 | 10 |
| Wind Direction | W | SW | W | W | W |

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| SMS Advisory | Chances of light rain during 23, 24 & 27 Aug. Maximum temperature would be in the range of 34°C to 36°C and the minimum temperature would be between 23°C - 24°C. Generally cloudy sky will appear for the next five days. Wind expected with the speed of 6-10 Kmph from, West & Southwest directions. |
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General Advisory:

Wind with the speed of 6 to 10 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.

Light to Moderate rain with thunderstorm & lightning is likely to occur at one or two places over district on 23 & 24 August 2023. Farmers are advised to take precautionary measures while grazing/herding the sheep, goat, cow on agriculture land for manuring purpose. Do not allow the animals to graze outside, standing near the trees or electric poles. Provide safe shelter for your livestock.

Weather Based Agro-Advisories: (Coconut, Mango & Animal Husbandry)

Coconut:

Due to the prevailing weather conditions, there is a chance for the incidence of Thanjavur wilt disease in coconut crops. The spread of the disease is faster from July to November.

Initial symptoms of Thanjavur Wilt start with yellowing and drooping of the outer whorl of leaves. This is followed by the exudation of reddish brown liquid through cracks at the base of the trunk and oozing spread upwards.

Decaying of tissues at the bleeding point and rotting of the basal portion of the stem.

To control this mix and apply *Pseudomonas fluorescens* @ 200gm + *Phosphobacter* @ 200gm + *Azotobacter* @ 200gm with 50kg of FYM per tree. Also, mix 5kg of Neem cake with 50kg of FYM per tree and apply it in six-month intervals.

Jasmine:

The incidence of sucking pests is noticed in Rose, Jasmine and Tuberose crops.

This pest affects all the stages of the crop.

To control Sucking pests spraying of Prophenophos @ 2 ml per litre of water is recommended.

Animal Husbandry:

Farmers are advised to feed the cows with greens and straw as half (quantity) in the morning and half in the evening after milking.

Do not change the fodder and its quantity. It can be changed gradually. Long and hard stem fodders should be cut into small pieces and fed to the Cow.

Better to feed the cow with a mixture of young foliage and dry grass with hay.

Silage should be given after the end of milking,

Concentrate feeding should be given in the morning and evening with equal distribution.