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|  | 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 : | Madurai | Forecast Period : | 19/09/2023 to 23/09/2023 | |
| | Bulletine No : | MSSRF/ MDU / 075/ 2023 | Release Date : | 18/09/2023 | |

| Significant past weather | From | 15/09/2023 | to | 17/09/2023 |
|--------------------------|--------------|------------|----|------------|
| Parameters | Past Weather | | | |
| Rainfall (mm) | 0.2 | | | |
| Maximum Temperature (°C) | 37-39 | | | |
| Minimum Temperature (°C) | 25-26 | | | |
| Sky Condition (Octas) | 4-6 | | | |
| Relative Humidity (%) | 47-72 | | | |
| Wind Speed (kmph) | 5-8 | | | |

Ensemble Weather Forecast until 08:30Hrs of 23-09-2023

| Parameters | 19-09-2023 | 20-09-2023 | 21-09-2023 | 22-09-2023 | 23-09-2023 |
|----------------------------|------------|------------|------------|------------|------------|
| | Tuesday | Wednesday | Thursday | Friday | Saturday |
| Rainfall (mm) | 6 | 5 | 8 | 6 | 4 |
| Maximum Temperature (°C) | 38 | 37 | 37 | 36 | 36 |
| Minimum Temperature (°C) | 26 | 25 | 25 | 24 | 24 |
| Sky Condition (Octas) | 8 | 8 | 7 | 8 | 8 |
| Max. Relative Humidity (%) | 70 | 70 | 70 | 70 | 80 |
| Min. Relative Humidity (%) | 40 | 40 | 40 | 40 | 50 |
| Wind Speed (Kmph) | 4 | 6 | 6 | 4 | 6 |
| Wind Direction | S | S | SW | SW | S |

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| SMS Advisory | Chances of light rain during 19, 20, 22, 23 Sep & Moderate rain on 21 Sep. Maximum temperature would be in the range of 36°C to 38°C and the minimum temperature would be between 24°C - 26°C. Cloudy sky will appear for the next five days. Wind expected with the speed of 4-6 Kmph from, South & Southwest directions. |
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General Advisory:

Since cloudy sky with humid weather is prevailing, farmers are advised to use the Blue sticky trap to monitor the aphids, leaf miners and the yellow sticky trap to monitor the incidence of other sucking pests.

Light to Moderate rain with thunderstorm & lightning is likely to occur at one or two places over district during 19th, 20th 21st, & 22th September 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. . To safeguard your animals from lightning and thunderstorm, remove the metal bells tied to the necks of animals.

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

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.

Paddy:

The incense of Rice horned caterpillar noticed in Paddy. The Larva feeds on leaf blades of rice. Leaves are defoliated from the margin or tip irregularly. To control this, drain the excess water from the field. To manage this pest, foliar spray of Emamectin Benzoate @ 6gms per tank or Flubendiamide @ 20ml per acre is recommended.

Animal Husbandry:

To protect the livestock from thunderstorms and lightning Farmers are requested to avoid grazing the animals during rains, particularly grazing sheep and goats in the flock which are more prone to lightning shock.

Farmers should avoid tethering animals near barbed wire fencing posts and trees.

Trees near the animal sheds should be pruned to avoid accidental falls during heavy wind.

Further trees like rain trees and vathanarayanan are more prone to uprooting. More chance of lightning near hilly areas and undulated landscapes than in plains.

For fences with wooden poles and metal wires, it is advisable to check the condition of the buried parts at most once in 5 years and do the necessary replacement before the thunderstorm season begins.