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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.kannivadi@gmail.com Fax: 044 – 22541319 | | | | |  |
| | District : | Pudukkottai | Forecast Period : | 03/07/2024 | to | |
| | Bulletin No: | MSSRF/ PDK /053/ 2024 | Release Date : | 02/07/2024 | | |

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|---------------------------------|---------------------|------------------|----|------------------|
| Significant past weather | From | 28/06/202 | to | 01/07/202 |
| | | 4 | | 4 |
| Parameters | Past Weather | | | |
| Rainfall (mm) | 7.6 | | | |
| Maximum Temperature (°C) | 31-38 | | | |
| Minimum Temperature (°C) | 26-27 | | | |
| Sky Condition (Octas) | 5-7 | | | |
| Relative Humidity (%) | 47-77 | | | |
| Wind Speed (kmph) | 7-20 | | | |

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

| Parameters | 03-07-2024 | 04-07-2024 | 05-07-2024 | 06-07-2024 | 07-07-2024 |
|----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | Wednesday | Thursday | Friday | Saturday | Sunday |
| Rainfall (mm) | 1 | 2 | 3 | 1 | 2 |
| Maximum Temperature (°C) | 35 | 35 | 36 | 36 | 36 |
| Minimum Temperature (°C) | 26 | 26 | 26 | 26 | 25 |
| Sky Condition (Octa) | 7 | 6 | 6 | 5 | 8 |
| Max. Relative Humidity (%) | 60 | 70 | 60 | 60 | 60 |
| Min. Relative Humidity (%) | 30 | 30 | 40 | 40 | 40 |
| Wind Speed (Kmph) | 10 | 10 | 10 | 8 | 10 |
| Wind Direction | S | S | SW | SW | SW |

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|---------------------|---|
| SMS Advisory | Chances of light rain during 3, 4, 5, 6 & 7 July. Maximum temperature would be in the range of 35°C to 36°C and the minimum temperature would be between 25°C - 26°C. Generally cloudy sky will appear for the next five days. Wind is expected with the speed of 8-10 Kmph from, South & Southwest directions. |
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General Advisory:

Extended range Forecast for next week (05th to 11th July 2024):

Rainfall:

As per extended range predictions, there is possibility of slightly above normal rainfall likely over the district during 5th to 11th 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. 5th to 11th 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 05th to 11th July 2024.

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

Banana:

The incense of Panama Wilt is expected in Banana. The first obvious signs of disease are wilting and a light yellow colouring of the lower leaves. They eventually turn a bright yellow colour with dead leaf margins.

Remove and destroy infested plant parts after harvest. Grow healthy plants with proper fertilization, irrigation & weed control.

To control apply *Pseudomonas fluorescens* @ 2.5kg per ha. along with farmyard manure and apply Neem cake @ 250 Kg Per ha.

Paddy:

Biofertilizers enhance nutrient availability to plants, promote growth, and contribute to soil health.

Azospirillum, in particular, is known to fix nitrogen (up to 80 kg N/ha/season) and improve chlorophyll content and grain protein in paddy. These practices can reduce reliance on chemical fertilizers by up to 50%.

Prepare a solution of Azospirillum 1 kg per acre and Phosphobacteria or Azophos 1 kg per acre in 40 liters of water before planting and soak the roots of the paddy seedlings in the solution for 15 to 30 minutes before planting.

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, contact the nearby veterinarian and provide deworming medicines to your goats.