## AgroMet Advisory Bulletin (AAB)



Jointly released by

Regional Meteorology Centre, Chennai – India Meteorology Department, Reddiarchathram Seed Growers Association &

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District: Sivagangai Forecast Period: 14/03/2024 to 18/02/2024

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| Significant past weather | From | 09/02/202<br>4 | to    | 12/02/202<br>4 |  |  |
|--------------------------|------|----------------|-------|----------------|--|--|
| Parameters               |      | Past Weather   |       |                |  |  |
| Rainfall (mm)            |      |                | 0.0   |                |  |  |
| Maximum Temperature (°C) |      |                | 34-36 |                |  |  |
| Minimum Temperature (°C) |      |                | 22-23 |                |  |  |
| Sky Condition (Octas)    |      |                | 2-3   |                |  |  |
| Relative Humidity (%)    |      |                | 43-88 |                |  |  |
| Wind Speed (kmph)        |      | 9-14           |       |                |  |  |

Ensemble Weather Forecast 08:30Hrs until 08:02-2024

|                            |            | 15-02-   | 16-02- | 17-02-   | 18-02- |
|----------------------------|------------|----------|--------|----------|--------|
| Parameters                 | 14-02-2024 | 2024     | 2024   | 2024     | 2024   |
|                            | Wednesday  | Thursday | Friday | Saturday | Sunday |
| Rainfall (mm)              | 1          | 0        | 0      | 0        | 0      |
| Maximum Temperature (°C)   | 34         | 34       | 34     | 33       | 34     |
| Minimum Temperature (°C)   | 23         | 24       | 24     | 23       | 23     |
| Sky Condition (Octas)      | 3          | 4        | 4      | 2        | 2      |
| Max. Relative Humidity (%) | 90         | 90       | 80     | 90       | 90     |
| Min. Relative Humidity (%) | 50         | 50       | 40     | 50       | 50     |
| Wind Speed (Kmph)          | 18         | 16       | 16     | 20       | 20     |
| Wind Direction             | NE         | NE       | NE     | NE       | NE     |

SMS Advisory Chances of very light rain on 14 Feb. Maximum temperature would be in the range of 33°C to 34°C and the minimum temperature would be between 23°C-24°C. Partly cloudy sky will appear for the next five days. Wind is expected with the speed of 16-20 Kmph from, Northeast direction.

### General Advisory:

Since very light rain is likely to occur at one or two places over the district on 14 Feb and dry weather is very likely to prevail over the district during 15<sup>th</sup> to 18<sup>th</sup> February, hence based on the soil moisture condition of the field, farmers can provide irrigation to their crops. Mist is likely to prevail during the early morning hours, allow your cattle to graze only 2 hours after sunrise.

Wind with the speed of 16 to 20 kmphis 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.

Extended range Forecast for next week (16<sup>th</sup> Feb to 22<sup>nd</sup> February 2024):

Rainfall:

As per extended range predictions, below normal to near normal is likely over one or two places of the district from 16<sup>th</sup> Feb to 22<sup>nd</sup> February 2024.

### **Maximum Temperature:**

Maximum temperatures are likely to be normal to slightly above normal and are likely to be in the range of 30°C to 34°C, over the district from 16<sup>th</sup> Feb to 22<sup>nd</sup> February 2024.

# **Minimum Temperature:**

Minimum temperatures are likely to be slightly above normal and are likely to be in the range 18°C to 22°C over the district from 16<sup>th</sup> Feb to 22<sup>nd</sup> February 2024.

Weather Based Agro - Advisories: (Important Crops: Bhendi, Groundnut & Animal Husbandry)

#### Bhendi:

The incense of Red cotton bug noticed in Bhendi. Infested seeds become discoloured and shrivelled.

To manage this, conserve the biocontrol agent Harpactorcostalis predaceous on nymphs and adults and spray Beaveria Bassiana @ 600ml per acre.

### **Groundnut:**

The infestation of Peanut bud necrosis virus is expected in Groundnut fields. The symptom appears on leaves, the Chlorotic spots appear on young leaflets and terminal bud necrosis.

As the plant matures it becomes stunted with short internodes and the proliferation of auxiliary shoots. This virus is mainly transmitted by Thrips.

To control, spray 10gms Verticelium lecanii + 10gms Pseudomonas per litre of water.

As a preventive measure, sow Groundnut with Bajra crop in a 7:1 ratio.

Remove the infected plants up to 6 weeks after sowing.

### **Animal Husbandry:**

Due to the prevailing weather conditions, there is a chance of infection of Anthrax in cattle. The symptoms are fever, severe diarrhoea and dysentery, respiration becomes rapid and shortly before death, the mucous membranes appear cyanotic.

The nasal discharge appears with blood stains or purulent.

Immediately contact the local veterinarian and vaccinate your animals once in a year.