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Virudhunagar District level AAB No. 001/2024 Day & Date: Tuesday & 02.01.2024

| Observed weather during last week (Dated 26 th December 2023 to 01 st January 2, 2024) | | | | | | | Weather Parameters / Date | Weather forecast (Valid from 3 rd January 2024 to 8:30 hrs of 7 th January 2024) | | | | |
|--|---------------|------------------|------------------|------------------|---------------|---------------|------------------------------|--|------------------|----------------|------------------|----------------|
| 26/12 | 27/12 | 28/12 | 29/12 | 30/12 | 31/12 | 01/01 | | Day 1 03/01 | Day 2 04/01 | Day 3 05/01 | Day 4 06/01 | Day 5 07/01 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.0 | Rainfall (mm) | 4 | 2 | 2 | 3 | 5 |
| 33 | 32 | 33 | 32 | 31 | 32 | 32 | Max. Temp. (°C) | 32 | 31 | 31 | 29 | 29 |
| 22 | 23 | 25 | 23 | 23 | 23 | 23 | Min. Temp. (°C) | 23 | 22 | 21 | 21 | 20 |
| Partly cloudy | Partly cloudy | Generally cloudy | Generally cloudy | Generally cloudy | Partly cloudy | Partly cloudy | Cloud cover (Octa) | Generally cloudy | Generally cloudy | Partly cloudy | Generally cloudy | Cloudy |
| 79 | 70 | 77 | 83 | 81 | 80 | 77 | Relative humidity - Mor. (%) | 90 | 90 | 90 | 90 | 90 |
| 56 | 62 | 65 | 74 | 67 | 58 | 58 | Relative humidity - Eve. (%) | 70 | 70 | 70 | 70 | 70 |
| 6 | 8 | 10 | 9 | 7 | 5 | 6 | Wind speed (kmph) | 14 | 12 | 12 | 12 | 12 |
| NE | E | NE | NE | NE | E | E | Wind direction (dd) | NE | NE | NE | NE | N |

| | |
|-----------------------------------|--|
| Rainfall (mm) in last week | Rainfall (mm) from 01/01/2024 to till dated |
| 0.5 | 0.0 |

Weather forecast

- The maximum temperature is likely to decrease by 2°C Celsius for the next five days compared to the previous week.
- Light rainfall is predicted for next two days.
- Sky condition will be generally to mainly cloudy.
- Wind speed is expected to be 12-14 km per hour and the wind direction will be Northeast direction.

| Crop | Stage | Agromet Advisory |
|--------------------------------|-------------------|--|
| Irrigated crops | Water management | Irrigate the crop based on the crop requirement. |
| Both rainfed / irrigated crops | Relative humidity | Cloudy weather with high relative humidity without rainfall may result to disease incidence. Hence, farmers are requested to go for fungicide spraying. |
| Pulses | Harvest | If possible, farmers are requested to go with machine harvester and store the harvested produce in safe. |
| Maize & Sorghum | Cob development | If Fall army worm incidence noticed with the prevailed weather. To control spray Chlorantraniliprole 18.5 SC@ 3 ml / 10lit. of water using manually operated or battery-operated high- volume knapsack sprayer only with a spray volume of 500 lit./ha. |
| Chilli | Flowering | <ul style="list-style-type: none"> • Water logged condition led to damping off infection, and yellowing of leaves. To overcome practice soil drenching with copper oxychloride@ 2.5g/litre and Neem oil spray. • High relative humidity result Powdery mildew, spraying of Wetttable sulphur @3 g/lit or Carbendazim 1 g/lit. at 15 days interval of 3 sprays are required from the first appearance of symptom. |
| Onion | | Water logged condition results to soft rot and basal rot. Practice soil trenching with Copper hydroxide 2.5g/litre . |
| Livestock | Relative humidity | Chance for diseases spread. Farmers are requested to provide vaccination immediately. |

SMS: Rain:3-7.1-4,2,2,3&5 mm. Relative humidity –powdery mildew-spray Wetttable sulphur @3 g/lit. Livestock – disease spread- provide vaccination immediately. Pulses- machine harvest and kept safe.

A cyclonic circulation lies over southwest Bay of Bengal off south Sri Lanka coast and extends upto mid-tropospheric levels.

| Weather forecast | Next five days | |
|------------------|----------------|--|
| | | <ul style="list-style-type: none">• Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry & Karaikal area on Day 1 (03.01.2024) and Day 2 (04.01.2024).• Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry & Karaikal area on Day 3 (05.01.2024) and Day 4 (06.01.2024).• Heavy rain is likely to occur at one or two places over Nilgiris district of Tamilnadu on Day 3 (05.01.2024) and Day 4 (06.01.2024).• Light to moderate rain is likely to occur at occur at a few places over Tamilnadu,Puducherry & Karaikal area on Day 5 (07.01.2024). |

**Professor and Head
Agricultural Research Station
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