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 **Thoothukudi District level AAB No.006/2025 Day & Date: Tuesday & 21.01.2025**

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| **Observed weather for the period 14th January to 20th January 2025** | **Weather Parameters / Date** | **Weather forecast****(Valid from 22nd January 2025 to 8:30 hrs of 26th January 2025)** |
| **14/01** | **15/01** | **16/01** | **17/01** | **18/01** | **19/01** | **20/01** | **Day 1****22/01** | **Day 2****23/01** | **Day 3****24/01** | **Day 4****25/01** | **Day 5****26/01** |
| 0.0 | 1.2 | 0.8 | 0.0 | 0.0 | 7.0 | 9.4 | **Rainfall (mm)** | 0 | 20 | 15 | 5 | 0 |
| NA | NA | NA | 31 | 31 | NA | NA | **Max. Temp. (oC)** | 30 | 30 | 30 | 31 | 31 |
| NA | NA | 22 | 23 | NA | NA | 22 | **Min. Temp. (oC)** | 22 | 22 | 22 | 23 | 23 |
| NA | NA | cloudy | Clear sky | NA | NA | Mainly cloudy | **Sky condition** | Generally cloudy | Generally cloudy | Generally cloudy | Partly cloudy | Partly cloudy |
| NA | NA | 87 | 81 | NA | NA | 94 | **RH - Mor. (%)** | 90 | 90 | 90 | 94 | 94 |
| NA | NA | 78 | 78 | NA | NA |  | **RH - Eve. (%)** | 74 | 74 | 74 | 80 | 80 |
| NA | NA | 6 | 4 | NA | NA | 2 | **Wind speed (kmph)** | 10 | 12 | 12 | 12 | 12 |
| NA | NA | NE | E | NA | NA |  | **Wind direction** | ENE | ENE | ENE | ENE | ENE |

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| **Rainfall (mm) in last week** | **Rainfall (mm) from 01/01/2024 to till dated** |
| **18.4** | **22.8** |

**Weather forecast**

* The maximum temperature is likely to same compared to the previous week.
* **Light to moderate rain is predicted day 2 (23.01.2025) to day 4 (25.01.2025).**
* Sky condition will be partly to generally cloudy.
* Wind speed is expected to be 10-12 km per hour and the wind direction will be from East-Northeast direction.

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| **Crop** | **Stage** | **Agromet Advisory** |
| Irrigated crops  | Irrigation management | Farmers are advised to postpone the irrigation based on crop requirement. |
| Rainfed & irrigated crops | Rainfall | It is advised to avoid spraying for three days; however, if necessary, spraying may be carried out based on local weather conditions. |
| Rainfed & irrigated crops | Relative humidity/Mist  | An increase in relative humidity increases the risk of diseases. Hence, farmers are advised to monitor their fields and take appropriate preparatory measures accordingly. |
| Pulses  | Maturity stage  | Harvest the pods immediately and store it safely to prevent fungal spread. |
| Paddy | Vegetative stage | * Temperature of 25-30oC with above 80 per cent relative humidity is highly favourable for Brown Spot. To control spray Mancozeb 500 g.
* Prevailing weather condition is favorable for Leaf folder incidence. Farmers are advised to spray Azadirachtin 0.03%@1000 ml/ha.
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| Cotton  | square formation stage to boll formation | * High relative humidity coupled with cloudy weather chance for Cercospora leaf spot. To control spray Copper oxychloride @ 500 g/ acre.
* In the prevailing weather, there is incidence of mealy bug. Spray neem oil 2% or NSKE 5% or fish oil rosin soap 25g/litre of water or chemical based insecticide of dimethoate or profenophos @ 2 ml/lit may be adopted as an alternative.
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| Groundnut | Peg formation | The expected weather is conducive for the incidence of leaf minor- ETL: 1 larvae/meter row. Apply anyone of the insecticides Dimethiate 30 EC @660 ml/ha (or) Malathion 50 EC 1.25 l/ha.  |
| Sunflower | Heading stage | The expected weather having low cloud cover and moderate to high humidity are conducive for the incidence of head borer. To control the pest, spray 5% Neem oil or 5% Neem Seed Kernal extract before egg laying. |
| Banana | All stages | Earthing up should be practiced to avoid lodging |
| Live stock  | Relative humidity | Increase in relative humidity chance for disease spread. Animals for grazing may be taken after sunrise.  |
| Human | Rainfall | The public is requested to carry umbrellas or raincoats and take preventive measures against the cold. |

SMS: Rain.23-25.01-20,15&5 mm. Cotton-leaf spot- spray Copper oxychloride @ 500 g/ acre. Groundnut- Leaf minor- Spray Dimethiate 30 EC 660 ml/ha (or) Malathion 50 EC 1.25 l/ha

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| **Tamil Nadu Weather forecast** |
| Light to Moderate Easterlies/ Northeasterlies prevail over the region in the lower tropospheric levels. |
| Next five days  | * Day 1 (22.01.2025) to Day 3 (24.01.2025): Light to moderate rain is likely to occur at isolated places over South Tamilnadu. Generally dry weather is likely to prevail over North Tamilnadu.
* Day 4 (25.01.2025) and Day 5 (26.01.2025): Generally dry weather is likely to prevail over Tamilnadu.
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**Professor and Head**

**Agricultural Research Station**

 **Kovilpatti**