



Tamil Nadu Agricultural University
&
India Meteorological Department
Agromet Advisory Bulletin for the Thoothukudi district
Bulletin No.010/2023 Issued on 03.02.2023
(From 04th February 2023 to 08th February 2023)
Issued jointly by AMFU Unit, Agricultural Research Station,
Kovilpatti, TNAU & IMD



Weather Summary for the period since the issue of last bulletin 009 (31.01.2023) for Tamil Nadu. Maximum temperature ranged on 27-35°C and minimum temperature ranged on 19-25°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 15-22°C and minimum temperature ranged on 8-11°C. During this period few places distribution with very light to moderate intensity of rainfall was recorded in Tamil Nadu.

Weather Summary

Past week weather Summary (29.01.2023 to 02.02.2023)					Weather Parameters	Ensemble weather forecast valid until 08:30 hrs of 08.02.2023				
Day 1 29/01	Day 2 30/01	Day 3 31/01	Day 4 01/02	Day 5 02/02		Day 1 04/02	Day 2 05/02	Day 3 06/02	Day 4 07/02	Day 5 08/02
0.0	0.0	2.3	0.0	0.0	Rainfall (mm)	60	20	0	0	0
NA	NA	31	32	32	Max. Temp. (°C)	28	28	30	30	30
NA	22	24	25	25	Min. Temp. (°C)	24	24	25	25	26
NA	6	7	6	8	Cloud cover (Octa)	8	8	5	5	6
NA	78	79	75	75	Relative humidity - Mor. (%)	85	86	86	80	80
NA	80	82	77	88	Relative humidity - Eve. (%)	70	75	70	75	70
NA	6	3	3	7	Wind speed (kmph)	15	15	18	18	18
NA	20/NNE	NA	NA	20/NNE	Wind direction (dd)	70/E	70/E	70/E	110/ESE	110/ESE

Weather forecast for next five days: 04.02.2023 to 08.02.2023

According to district forecast issued by the India Meteorological Department for Thoothukudi district, sky condition will be generally cloudy sky. Light to moderate rainfall is predicted for day 1 (04.02.2023) and day 2 (05.02.2023). The Maximum temperature is expected to be around 28-30°C and Minimum temperature is expected to be around 24-26°C. Morning relative humidity is expected to be around 80-86 per cent and evening relative humidity is expected to be around 70-75 per cent. 24-hour wind speed is expected to be around 15-18 km per hour and the wind direction will be from East and East-Southeast direction.

Agromet Advisory

Crop (Varieties)	Stage	Crop Specific Advisory
Irrigated crops	Water management	Previous week prevailed dry spell and light to moderate rainfall is predicted for day 1 (04.02.2023) and day 2 (05.02.2023). The farmers are requested to postpone the irrigation for next two days. However, plan according to the local weather prevail.
Rainfed / Horticultural crop	Rainfall	Avoid spraying and fertilizer application for next three days.
Harvesting	Rainfall	Harvest the Agricultural & horticultural produce with all precaution measure to safeguard the produce from sudden rainfall.
Cotton	Flowering to boll development stage	<ol style="list-style-type: none"> 1. Depression/low - chance for rainfall, harvest the cotton at the earliest to avoid the product damage from the rainfall. Keep the products safe. 2. continuous rainfall cause shedding of flower and boll squares. To control spray 40 ppm NAA (Napthalene Acetic Acid) at flowering and one month after first spray. 3. Prevailing weather is conducive for boll worm. To control Quinalphos 25 EC 2.0 l/ha (or) Phosalone 35% EC 2000 ml/ha. 4. Prevailed weather is conducive for stem weevil. So farmers are advised to apply of Neem cake @ 250 kg/ha (or) drenching collar region with chloropyriphos 50EC @1200ml/ha.
Rice	Flowering to Panicle initiation stage	<ol style="list-style-type: none"> 1. Strengthen the field bunds and proper drainage facilities may be provided. 2. Prevailed weather is conducive for Leaf folder and Stem borer. So farmers are advised to spray Azadirachtin 0.03% 1000ml/ha. (or) Chlorontriniprole 18.5%SC @ 150g/ha. (or) Thiamethoxam 25% WG @ 100g/ha. 3. Prevailed weather is conducive for Rice case worm. To control Dislodge the cases by passing a rope and drain water. Collect the cases and destroy. Spray Quinalphos 25 EC 80 ml.
Jasmine	Flowering stage	Flowering stage Prevailing weather is conducive for Blossom midge. Spray Thiamethoxam 2.5% WG @ 0.75 g/litre (or) Novaluron 3ml/lit. of water.
Chilli	Flowering and fruiting stage	<ul style="list-style-type: none"> • Increasing day temperature favours thrips. Spray Imidacloprid 17.8 % SL @3.0 ml/10 lit. • Prevailing weather is conducive for Gram caterpillar @ Emamectin benzoate 5 % SG @ 4 g/10 lit.
Coconut	All stages	All stages- Rugose Spiralling whitefly is noticed in the prevailed weather condition. Application of water, maida solution as spray in order to increase the population of Encarsia parasitic. Also keep yellow stick trap.

SMS:Rain: 04&05.02-60&20 mm. Avoid irrigation, chemical spraying and fertilizer application. Rice- strengthen the bunds and drainage facilities may be provided. Cotton may be harvested.

Tamil Nadu

Yesterday's Depression over south Srilanka moved southwestwards and weakened into a well marked low pressure area over Comorin and adjoining Gulf of Mannar and west coast of Srilanka at 2330 hours IST of 2nd February 2023. Moving further southwestwards, it lay over the same region at 0830 IST of today, the 3rd February 2023. It is very likely to continue to move southwestwards and weaken gradually into a low pressure area during next 12 hours.

Next five days	Weather warning	<ul style="list-style-type: none"><input type="checkbox"/> Light to moderate rain is likely to occur at many places with thunderstorm & lightning at one or two places over South Tamilnadu on Day 1 (04-02-2023).<input type="checkbox"/> Light to moderate rain with thunderstorm & lightning is likely to occur at one or two places over North Tamilnadu, Puducherry and Karaikal area on Day 1(04-02-2023).<input type="checkbox"/> Heavy rain is likely to occur at isolated places over Kanyakumari, Tirunelveli,<input type="checkbox"/> Thoothukudi and Tenkasi districts on Day 1(04-02-2023).<input type="checkbox"/> Light / moderate rain with thunderstorm & lightning is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area on Day 2 (05-02-2023).<input type="checkbox"/> Dry weather is very likely to prevail over Tamilnadu, Puducherry and Karaikal area from Day 3 (06-02-2023) to Day 5 (08-02-2023).
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**Professor and Head
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