



Tamil Nadu Agricultural University
&
Indi Meteorological Department
Agromet Advisory Bulletin for the Tirunelveli district
Bulletin No.019/2023 Issued on 07.03.2023
(From 08th March 2023 to 12th March 2023)
Issued jointly by AMFU Unit, Agricultural Research Station,
Kovilpatti, TNAU & IMD



Weather Summary for the period since the issue of last bulletin 018 (02.03.2023) for Tamil Nadu. Maximum temperature ranged on 30-37°C and minimum temperature ranged on 17-25°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 16-24°C and minimum temperature ranged on 5-9°C. During this period a few places distribution with very light to light intensity of rainfall was recorded in Tamil Nadu.

Weather Summary for Tirunelveli district

Past week weather Summary (02.03.2023 to 06.03.2023)					Weather Parameters	Ensemble weather forecast valid until 08:30 hrs of 12.03.2023				
Day 1 02/03	Day 2 03/03	Day 3 04/03	Day 4 05/03	Day 5 06/03		Day 1 08/03	Day 2 09.03	Day 3 10.03	Day 4 11.03	Day 5 12.03
3.7		0.0	5.5	3.7	Rainfall (mm)	1	0	1	2	0
32		34	35	34	Max. Temp. (°C)	34	35	35	36	36
22		23	23	23	Min. Temp. (°C)	23	24	24	25	25
3		3	3	1	Cloud cover (Octa)	2	2	4	4	4
78		68	67	68	Relative humidity - Mor. (%)	80	80	80	80	80
45		50	54	52	Relative humidity - Eve. (%)	30	30	30	30	40
1		0	0	84	Wind speed (kmph)	8	10	8	10	8
140/SE		0	0	30/NE	Wind direction (dd)	50/ENE	70/E	50/ENE	70/E	50/ENE

Weather forecast for next five days: 08.03.2023 to 12.03.2023

According to district forecast issued by the India Meteorological Department for Tirunelveli district, sky condition will be mainly clear to partly cloudy sky. Very light rainfall is predicted for day1(08.03.2022), day 3(10.03.2022) and day 4(11.03.2022). The Maximum temperature is expected to be around 34-36°C and Minimum temperature is expected to be around 23-25°C. Morning relative humidity is expected to be around 80 per cent and evening relative humidity is expected to be around 30-40 per cent. 24-hour wind speed is expected to be around 8-10 km per hour and the wind direction will be from East and East-Northeast.

Agromet Advisory

Crop	Stage	Crop Specific Advisory
Irrigated crops	Water management	Light rainfall received during previous week and chance for very light rainfall on day 1, day 4 and day 5. However, Farmers are requested to irrigate the crop based on the crop requirement and local weather.
General	Temperature	Non recording of rainfall area with increase in minimum temperature during preceding week, crop may be undergone stress and increase in maximum temperature in the coming week triggers the pest. So, farmers are requested to spray neem oil once in 15 days as preparatory measures.
Vegetables	Temperature	Increase in maximum temperature, chance for increase of sucking pest. Farmers were advise to monitor the sucking pest and precaution may be given. Farmers are advised to use the yellow sticky trap @ 10-15/acre to monitor the incidence of sucking pests and Blue sticky trap @ 5-10/acre to monitor the Aphids and leaf miner.
Rice	Booting to Milking stage	<ol style="list-style-type: none"> 1. Prevailed weather is conducive for Blast. So, farmers are advised to spray Azoxystrobin 25 SC @ 500 ml/ha 2. Prevailed weather is conducive for Leaf spot. Spray Mancozeb (2.0g/lit).
Sugarcane	Tillering to Flowering stage	<p>Prevailed weather and crop stage is conducive for Inter node borer. To control</p> <ul style="list-style-type: none"> <input type="checkbox"/> Collect and destroy the eggs periodically. <input type="checkbox"/> Detrash the crop on 150th and 210th day of planting. Detrashing dislodge the pupae that remain in the leaf sheath. <input type="checkbox"/> Install pheromone traps @ 10 Nos. /ha for surveillance and monitoring, change the septa/lure once in 45 days.
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.
Chilli	Fruiting stage	<ul style="list-style-type: none"> <input type="checkbox"/> Very light rainfall is predicted, farmers are requested to harvest the fruit to avoid fungal infestation during storage. <input type="checkbox"/> if rainfall occurrence is noticed, responsible for spread of Anthracnose. Chemicals like wettable sulphur 0.2%, copper oxychloride 0.25% and Zineb 0.15% not only reduced the disease incidence but also increased the yield of fruits. Spraying of Essential oil - Nigella sativa - antimicrobial activity. <input type="checkbox"/> High Temperature is conducive for Gram caterpillar @ Emamectin benzoate 5 % SG @ 4 g/10 lit.
Livestock	Goat	Deworm the non-pregnant animals with liquid oxychloxamide @ 5mg/kg of body weight. Vaccinate against P.P.R and enterotoxemia. If nasal discharge and cold administer Bolus sulphadimidine 5 gram per adult animal, half of bolus per young animals.
	Milch animals	Maximum temperature results to rise in body temperature,

		increased pulse rate, increased peripheral blood flow, reduced feed intake, and increased water intake. Measures like Thatching the roof with materials like paddy straw etc, painting the roof with white paint or, providing a false ceiling insulation will help provide a cooler environment. Create barriers against hot wind using thatched wall or wet gunny cloth/ gunny bags. Ensure increased mineral supplementation during hot weather to meet the increased demand of minerals. Potassium rich mineral mixture should be preferred.
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SMS: Rain: 8,10&11.03-1,1&2 mm. Based on rainfall, irrigation may be planned.
Vegetable crops- fruit to be harvested to avoid economic loss.

Tamil Nadu		
Next five days	Weather warning	<input type="checkbox"/> Light / moderate rain is likely to occur at isolated places over South Tamilnadu on Day 1 (08-03-2023) and Day 5 (12-03-2023). <input type="checkbox"/> Light / moderate rain is likely to occur at isolated places over South Tamilnadu, Delta & adjoining districts and Karaikal area on Day 2 (09-03-2023), Day 3 (10-03-2023) and Day 4 (11-03-2023).

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