



Tamil Nadu Agricultural University
&
Indi Meteorological Department
Agromet Advisory Bulletin for the Tirunelveli district
Bulletin No.013/2023 Issued on 14.02.2023
(From 15th February 2023 to 19th February 2023)
Issued jointly by AMFU Unit, Agricultural Research Station,
Kovilpatti, TNAU & IMD



Weather Summary for the period since the issue of last bulletin 012 (10.02.2023) for Tamil Nadu. Maximum temperature ranged on 30-36°C and minimum temperature ranged on 15-23°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 18-25°C and minimum temperature ranged on 7-9°C. During this period dry spell was recorded in Tamil Nadu.

Weather Summary

Past week weather Summary (09.02.2023 to 13.02.2023)					Weather Parameters	Ensemble weather forecast valid until 08:30 hrs of 18.02.2023				
Day 1 09/02	Day 2 10/02	Day 3 11/02	Day 4 12/02	Day 5 13/02		Day 1 15/02	Day 2 16/02	Day 3 17/02	Day 4 18/02	Day 5 19/02
0	0	0	0	0	Rainfall (mm)	0	0	0	0	1
33	33	32	32	33	Max. Temp. (°C)	33	33	34	34	34
23	23	23	23	23	Min. Temp. (°C)	23	23	24	24	24
3	4	3	3	3	Cloud cover (Octa)	0	0	0	0	3
69	70	70	74	83	Relative humidity - Mor. (%)	70	80	80	80	80
47	47	46	48	47	Relative humidity - Eve. (%)	20	20	30	30	30
1	0	2	2	1	Wind speed (kmph)	10	10	12	12	10
140/SE	0/N	360/N	360/N	140/SE	Wind direction (dd)	360/N	20/NNE	70/ENE	70/ENE	50/NE

Weather forecast for next five days: 15.02.2023 to 18.02.2023

According to district forecast issued by the India Meteorological Department for Tirunelveli district, sky condition will be mainly clear sky. No rainfall is predicted for next five days. The Maximum temperature is expected to be around 33-34°C and Minimum temperature is expected to be around 23-24°C. Morning relative humidity is expected to be around 70-80 per cent and evening relative humidity is expected to be around 20-30 per cent. 24-hour wind speed is expected to be around 10-12 km per hour

and the wind direction will be from North, North East, East-Northeast and North-Northeast direction.

Agromet Advisory

Crop	Stage	Crop Specific Advisory
Irrigated crops	Water management	Dry weather may prevail for the coming five days. Farmers are requested to irrigate the crop in frequent interval.
Rainfed and irrigate crops	Temperature/ Relative humidity	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.
Cotton	Flowering to boll development stage	<ol style="list-style-type: none"> 1. Prevailing weather is conducive for boll worm. To control Quinalphos 25 EC 2.0 l/ha (or) Phosalone 35% EC 2000 ml/ha. 2. Prevailed weather is conducive for stem weevil. So farmers are advised to apply of Neem cake @ 250 kg/ha (or) drenching collar region with Carbofuran 3G @ 33.3 kg/ha.
Rice	Panicle initiation 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 folder. So farmers are advised to spray Azadirachtin 0.03% 1000ml/ha. (or) Chlorontrinirole 18.5%SC @ 150g/ha. (or) Thiamethoxam 25% WG @ 100g/ha. 3. In the prevailing weather condition stem borer incidence is noticed. ETL: 25% Dead heart symptoms. Farmers are advised to spray Neem seed kernel extract (or) Azadirachtin 0.03% 1000 ml/ha (or) insecticides Chlorpyriphos 20% EC 1.25 l/ha (or) Chlorantraniliprole 18.5% SC 150 ml/ha.
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	Flowering and fruiting stage	<ul style="list-style-type: none"> <input type="checkbox"/> Increasing day temperature favours thrips. Spray Imidacloprid 17.8 % SL @3.0 ml/10 lit. <input type="checkbox"/> Prevailing weather is conducive for Gram caterpillar @ Emamectin benzoate 5 % SG @ 4 g/10 lit.
Livestock	Goat	<ul style="list-style-type: none"> <input type="checkbox"/> 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

		<p>sulphadimidine 5 gram per adult animal, half of bolus per young animals.</p>
	Milch animals	<p>☐ 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.</p>

SMS: Rain: Nil. Irrigate the crop. Sugarcane- Inter node borer- Detrashing dislodge the pupae that remain in the leaf sheath. pheromone traps @ 10 Nos. /ha.

Tamil Nadu		
Light to moderate Easterlies/North-easterlies prevail over the region in the lower tropospheric levels		
Next five days	Weather warning	Dry weather is very likely to prevail over Tamilnadu, Puducherry and Karaikal area from Day 1 (15-02-2023) to Day 5 (19-02-2023).