



Tamil Nadu Agricultural University
&
Indi Meteorological Department
Agromet Advisory Bulletin for the Tirunelveli district
Bulletin No.017/2023 Issued on 28.02.2023
(From 01st March 2023 to 05th March 2023)
Issued jointly by AMFU Unit, Agricultural Research Station,
Kovilpatti, TNAU & IMD



Weather Summary for the period since the issue of last bulletin 016 (24.02.2023) for Tamil Nadu. Maximum temperature ranged on 30-37°C and minimum temperature ranged on 16-26°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 19-25°C and minimum temperature ranged on 5-9°C. During this period dry weather was recorded in Tamil Nadu.

Weather Summary for Tirunelveli district

Past week weather Summary (23.02.2023 to 27.02.2023)					Weather Parameters	Ensemble weather forecast valid until 08:00 of 05.03.2023				
Day 1 23/02	Day 2 24/02	Day 3 25/02	Day 4 26/02	Day 5 27/02		Day 1 01/03	Day 2 02/03	Day 3 03/03	Day 4 04/03	Day 5 05/03
0.0	0.0	0.0	0.0	0.0	Rainfall (mm)	1	1	0	0	1
34	35	35	35	35	Max. Temp. (°C)	35	35	35	36	36
22	22	22	24	23	Min. Temp. (°C)	22	22	23	23	23
3	2	3	3	3	Cloud cover (Octa)	4	4	3	2	2
73	69	69	69	65	Relative humidity - Mor. (%)	90	80	80	70	70
44	48	46	50	44	Relative humidity - Eve. (%)	40	50	30	30	30
1	0	1	0	4	Wind speed (kmph)	8	10	8	10	10
140/SE	0/N	140/SE	0/NE	140/SE	Wind direction (dd)	70/ENE	20/NE	90/E	70/ENE	70/ENE

Weather forecast for next five days: 01.03.2023 to 05.03.2023

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 on day 1 (01.03.2023), day 2 (02.03.2023) and day 5 (05.03.2023). The Maximum temperature is expected to be around 35-36°C and Minimum temperature is expected to be around 22-23°C. Morning relative humidity is expected to be around 70-90 per cent and evening relative humidity is expected to be around 30-50 per cent. 24-hour wind speed is expected to be around 8-10 km per hour and the wind direction will be from East, North-Northeast and East-Northeast direction.

Agromet Advisory

Crop	Stage	Crop Specific Advisory
General	Temperature	Temperature stress may initiate the pest incidence. So, farmers are requested to spray neem oil once in 15 days as preparatory measures.
Irrigated crops	Water management	Dry weather may prevail for the coming five days and chance for very light rainfall on day 4 and day 5. However, Farmers are requested to irrigate the crop in frequent interval..
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	Prevailing weather is conducive for Gram caterpillar @ Emamectin benzoate 5 % SG @ 4 g/10 lit.
Jasmine	Flowering stage	Prevailing weather is conducive for Blossom midge. Spray Thiamethoxam 2.5% WG @ 0.75 g/litre (or) Novaluron 3ml/lit. of water.
Livestock	Goat	<ol style="list-style-type: none"> 1. 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 sulphadimindine 5 gram per adult animal, half of bolus per young animals. 2. Goat pox: A Serious viral disease of goats commonly occurring in summer. The disease spread by direct contact and contaminated feed and water. Symptoms: High fever followed by appearance of blisters on the hairless parts of the body especially lips, nose, mouth, eyes, Groin, Udder and under the base of the tail. Prevention: 1. Vaccinating the animals above 3 months- primary Vaccination.2.Annual revaccination should be done at the time of Feb-March. Treatment: 1.Isolate the affected animal

		and treating them symptomatically. 2. Boric acid and glycerin paste can be applied over the skin lesions.3. Antibiotics should be given for 3-5 days.
	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.
	Poultry	Summer Management to Poultry: 1. Overcrowding of birds should be avoided. 2. Feeding should be done in cool hours of the day in the form of wet mash 3. Supplement vitamin C and B complex along with water. 4. Water tanks should be covered with low cost roofing materials. 5. Increase the frequency of watering. 6. Sprinkling water on the roof will help to bring down the shed temperature. 7. Wet gunny curtains can be arranged on the sides of shed will reduce the heat inside the shed.

SMS: Rain: 1,2&5.3:1,1&1mm. Based on the receipt of rainfall, crop may be irrigated. Sugarcane- Inter node borer- Detrashing dislodge the pupae that remain in the leaf sheath. pheromone traps @ 10 Nos. /ha.

Tamil Nadu		
Next five days	Weather warning	<input type="checkbox"/> Light / moderate rain is likely to occur at isolated places over South Tamilnadu, Delta districts and Karaikal area on Day 1 (01-03-2023). <input type="checkbox"/> Light / moderate rain is likely to occur at isolated places over South Coastal Tamilnadu on Day 2 (02-03-2023). <input type="checkbox"/> Light / moderate rain is likely to occur at isolated places over South Tamilnadu on Day 5 (05-03-2023). <input type="checkbox"/> Dry weather is very likely to prevail over Tamilnadu, Puducherry and Karaikal area on Day 3 (03-03-2023) and Day 4 (04-03-2023).

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