



Tamil Nadu Agricultural University
&
Indi Meteorological Department
Agromet Advisory Bulletin for the Tirunelveli district
Bulletin No. 050/2022 Issued on 24.06.2022
(From 25th June 2022 to 29th June 2022)



Issued jointly by AMFU Unit, Agricultural Research Station, Kovilpatti,
TNAU & IMD

Weather Summary for the period since the issue of last bulletin 49 (21.06.2022) for Tamil Nadu. Maximum temperature ranged on 31-37°C and minimum temperature ranged on 21-29°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 17-20°C and minimum temperature ranged on 10-11°C. During this period scattered distribution with very light to moderate intensity of rainfall was recorded in Tamil Nadu

Weather Summary for Tirunelveli district

Past week weather Summary (21.06.2022 to 23.06.2022)			Weather Parameters	Ensemble weather forecast valid until 08:30 hrs of 29.06.2022				
Day 1 21/06	Day 2 22/06	Day 3 23/06		Day 1 25/06	Day 2 26/06	Day 3 27/06	Day 4 28/06	Day 5 29/06
0.0	0.0	0.0	Rainfall (mm)	5	7	6	0	4
37	37	37	Max. Temp. (°C)	37	36	36	36	36
25	25	25	Min. Temp. (°C)	26	26	26	26	26
3	3	3	Cloud cover (Octa)	5	5	4	4	5
66	66	66	Relative humidity - Mor. (%)	65	65	65	65	65
42	44	39	Relative humidity - Eve. (%)	45	45	45	45	45
0	2	2	Wind speed (kmph)	10	10	10	10	10
0/N	360/N	320/NW	Wind direction (dd)	290/ WNW	290/W NW	290/ WNW	290/ WNW	290/ WNW

Weather forecast for next five days: 25.06.2022 to 29.06.2022

According to district forecast issued by the India Meteorological Department for Tirunelveli district, sky condition will be partly to generally cloudy sky. Light rainfall is predicted for next five days. The Maximum temperature is expected to be around 36-37°C and Minimum temperature is expected to be around 26°C. Morning relative humidity is expected to be around 65 per cent and evening relative humidity is expected to be around 45 per cent. 24-hour wind speed is expected to be around 10 km per hour and the wind direction will be from West North West direction.

Agro Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Irrigated crops	Water management	<ul style="list-style-type: none"> <input type="checkbox"/> Light rainfall is predicted next five days. <input type="checkbox"/> However, irrigation may be planned based on the regular monitoring of weather forecast. <input type="checkbox"/> Strengthen the drainage channel in order to avoid crop lodging, if rainfall occurrence may notice.
Irrigated crops	Temperature decrease	<ul style="list-style-type: none"> <input type="checkbox"/> Farmers are advised for regular monitoring of incidence and preparatory measures to control.
Green manure		<ul style="list-style-type: none"> <input type="checkbox"/> Sow green manure crop around the tree crops to conserve soil moisture. <input type="checkbox"/> To provide nitrogen for the rice crop and to add organic matter to the soil, sowing of green manure previous to rice cultivation is advisable.
Dry land		Farmers are requested to practice the ploughing based on the suitable soil moisture prevailing for ploughing.
Rice	Transplanting stage	As rainfall is predicted for next five days, farmers are advised for channel strengthening and drainage facilities.
	Active Tillering stage	In the prevailing weather condition sucking pest - Thrips occurrence may be noticed. Symptoms- Leaf shows discoloration and rolling. Yellow (or) silvery streaks on the leaves of young seedlings. Terminal rolling and drying of leaves from tip to base. Spray Azadirachtin 0.15% W/W 1500-2500 g/ha. (or) Thiamethoxam 25% WG 100 g/ha
Cotton	Boll development stage	In the prevailing weather condition sucking pest - white fly occurrence is noticed. ETL: 5 - 10 /leaf. Chemical control spray -Acetamiprid 20% SP 100 g/ha (or) Chlorpyriphos 20% EC 1250 ml/ha Plant products -Neem seed kernel extract 5% (50 kg) and neem oil at 5 ml/l of water (or) Notchi leaves 5% extract.
		In the prevailing weather condition Mealy bug infestation is noticed. Wherever necessary use neem based botanical insecticides such as neem oil 2% or NSKE 5% or fish oil rosin soap 25g/litre of water. Use of dimethoate or profenophos 2 ml/lit may be adopted as an alternative.

SMS: Rain: 25-27&29.06-5,7,6&4 mm. paddy – Transplanting - farmers are advised for channel strengthening and drainage facilities. Cotton- **Mealy bug** -spray dimethoate or profenophos 2 ml/lit.

Tamil Nadu

Southwest Monsoon has been active over Coastal Karnataka. Yesterday's off-shore trough at mean sea level from south Gujarat coast to Karnataka coast persists. Yesterday's feeble trough from north interior Tamilnadu to Comorin area now runs across interior Tamilnadu upto 0.9km above mean sea level.

Next five days	Weather warning	<ul style="list-style-type: none"> □ Light to moderate rain is likely to occur at a few places with isolated thunderstorm and lightning over Tamilnadu, Puducherry and Karaikal area on Day 1 (25.06.2022) □ Light to moderate rain is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area on Day 2 (26.06.2022) and Day 5 (29.06.2022)
	Thunderstorm Warning	Day 1 (25.06.2022): Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area.
Extended range of weather forecast		<p>Week 2 (01.07.2022 to 07.07.2022):</p> <ul style="list-style-type: none"> □ There is possibility of slightly above normal rainfall over the extreme northern parts and near normal rainfall over the rest of Tamilnadu, Puducherry & Karaikal during the week □ Maximum temperatures are likely to be generally near normal over Tamilnadu, Puducherry & Karaikal and are likely to be in the range 30°C to 34°C in the north coastal and adjoining districts, 26°C to 34°C in the plains of the rest of north interior districts and in the range 28°C to 34°C in the plains of the southern districts of Tamilnadu during week □ Minimum temperatures are likely to be generally near normal over Tamil Nadu, Puducherry and Karaikal and are likely to be in the range 24°C to 28°C in the coastal and adjoining interior districts of Tamil Nadu, Puducherry and Karaikal and 20°C to 24°C in the plains of the rest of the districts of Tamil Nadu during the week

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