



Tamil Nadu Agricultural University
&
Indi Meteorological Department
Agromet Advisory Bulletin for the Tirunelveli district
Bulletin No. 052/2022 Issued on 01.07.2022
(From 2nd July 2022 to 06th July 2022)



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

Weather Summary for the period since the issue of last bulletin 51 (28.06.2022) for Tamil Nadu. Maximum temperature ranged on 31-39°C and minimum temperature ranged on 22-29°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 17-22°C and minimum temperature ranged on 9-12°C. During this period isolated distribution with very light to light intensity of rainfall was recorded in Tamil Nadu.

Weather Summary for Tirunelveli district

Past week weather Summary (28.06.2022 to 30.06.2022)			Weather Parameters	Ensemble weather forecast valid until 08:30 hrs of 06.07.2022				
Day 1 28/06	Day 2 29/06	Day 3 30/06		Day 1 02/07	Day 2 03/07	Day 3 04/07	Day 4 05/07	Day 5 06/07
0.0	0.1	0.0	Rainfall (mm)	0	4	0	5	8
37	37	37	Max. Temp. (°C)	36	36	36	36	35
25	25	25	Min. Temp. (°C)	25	25	25	25	25
3	0	3	Cloud cover (Octa)	4	5	3	4	5
66	65	62	Relative humidity - Mor. (%)	65	65	65	65	65
44	46	48	Relative humidity - Eve. (%)	50	50	50	50	50
4	6	7	Wind speed (kmph)	14	14	14	14	14
320/ NW	320/ NW	360/ N	Wind direction (dd)	290/ WNW	290/ WNW	290/ WNW	270/ W	270/ W

Weather forecast for next five days: 29.06.2022 to 03.07.2022

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 on day 3, day 4 and day 5. The Maximum temperature is expected to be around 35-36°C and Minimum temperature is expected to be around 25°C. Morning relative humidity is expected to be around 65 per cent and evening relative humidity is expected to be around 50 per cent. 24-hour wind speed is expected to be around 14 km per hour and the wind direction will be from West and West North west direction.

Agro Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Irrigated crops	Water management	Light rainfall is predicted for three days. Farmers are requested to go for irrigation. Also, Farmers are advised to follow the block level forecast.
Irrigated crops	Temperature decrease	Farmers are advised for regular monitoring of incidence and preparatory measures to control.
Green manure		<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.
Cotton	Boll development stage	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: 3,5&6.07-4,5&8mm. 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 Karnataka and Kerala. Yesterday's off-shore trough at mean sea level from south Gujarat to north Karnataka coast now runs from south Gujarat to south Maharashtra. Light to moderate westerlies prevails over the region upto mid tropospheric levels.		
Next five days	Weather warning	<input type="checkbox"/> 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 (02.07.2022). <input type="checkbox"/> Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Tiruppur, Theni and Dindigul districts on Day 1 (02.07.2022). <input type="checkbox"/> Light to moderate rain is likely to occur at a few places with isolated thunderstorm and lightning over Tamilnadu and Karaikal area on Day 2 (03.07.2022). <input type="checkbox"/> Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Tiruppur, Theni, Dindigul, Ranipet, Tiruvannamalai, Chengalpattu, Kancheepuram and Villupuram districts of Tamilnadu and Puducherry on Day 2 (03.07.2022). <input type="checkbox"/> Light to moderate rain is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area

		<p>on Day 3 (04.07.2022) and Day 4 (05.07.2022).</p> <ul style="list-style-type: none"> □ Light to moderate rain is likely to occur at a few places over Tamilnadu, Puducherry and Karaikal area on Day 5 (06.07.2022). □ Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Tiruppur, Theni and Dindigul districts on Day 5 (06.07.2022).
	Heavy Rainfall Warning	<ul style="list-style-type: none"> □ Day 1(01.07.2022): Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Tiruppur, Theni and Dindigul districts. □ Day 2(02.07.2022): Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Tiruppur, Theni, Dindigul, Ranipet, Tiruvannamalai, Chengalpattu, Kancheepuram and Villupuram districts of Tamilnadu and Puducherry. □ Day 5(05.07.2022): Heavy rain is likely to occur at isolated places over Nilgiris, Coimbatore, Tiruppur, Theni and Dindigul districts.
	Thunderstorm Warning	Day 1 (02.07.2022) & Day 2 (03.07.2022): Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area.
Extended range of weather forecast		<p>Week (08th -14th Jul 2022):</p> <ul style="list-style-type: none"> □ There is possibility of slightly below normal rainfall over Tamilnadu, Puducherry & Karaikal during the week. □ Maximum temperatures are likely to be in the range of 28°C to 34°C in the plains of the southern districts of Tamilnadu during week. □ Minimum temperatures are likely to be 20°C to 24°C in the plains of the districts of Tamil Nadu during the week.

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