



Tamil Nadu Agricultural University
&
Indi Meteorological Department
Agromet Advisory Bulletin for the Thoothukudi 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 Thoothukudi 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	0.0	0.0	Rainfall (mm)	4	3	0	0	0
37	37	38	Max. Temp. (°C)	36	36	35	35	35
28	28	27	Min. Temp. (°C)	27	27	27	27	27
4	4	6	Cloud cover (Octa)	5	5	4	3	3
71	73	70	Relative humidity - Mor. (%)	70	70	70	70	70
60	60	64	Relative humidity - Eve. (%)	60	60	60	60	60
18	12	13	Wind speed (kmph)	18	18	18	18	18
290/ WNW	290/ WNW	290/ WNW	Wind direction (dd)	270/ W	270/ W	270/ W	270/ W	270/ W

Weather forecast for next five days: 02.07.2022 to 06.07.2022

According to district forecast issued by the India Meteorological Department for Thoothukudi district, sky condition will be partly to generally cloudy sky. Light rainfall is predicted on day 1 (02.07.2022) and day 2(03.07.2022). The Maximum temperature is expected to be around 35-36°C and Minimum temperature is expected to be around 27°C. Morning relative humidity is expected to be around 70 per cent and evening relative humidity is expected to be around 60 per cent. 24-hour wind speed is expected to be around 18 km per hour and the wind direction will be from West direction.

Agromet Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Irrigated crops	Water management	Light rainfall is predicted on day 1 (02.07.2022) and day 2(03.07.2022). Farmers are advised to irrigate the crop based on the local weather and crop stage.
Irrigated crops	Temperature decrease	Farmers are advised for regular monitoring of incidence and preparatory measures to control.
Dry land		Farmers are requested to practice the ploughing based on the suitable soil moisture prevailing for ploughing.
Banana	All stages	Wind speed may damage crop, so farmers are advised to provide stake for banana to prevent the crop lodging.
Moringa	All the stages	As wind speed is high, agronomic practices such as Pinching and earthing up may be followed. Pinching the terminal bud on the central leader stem is necessary when it attains a height of 75cm (two months after sowing). Earthing up of the soil at the base of the tree is useful to give it the strength. It has also been reported that spraying of Gibberellic acid @ 20 ppm on 90 th day of sowing increased all the pod characters,
Gourds	Vegetative stage	Under prevailing weather condition powdery mildew and yellow mosaic virus disease noticed. To control powdery mildew spray wettable Sulfur 2.5g/lit. and to control yellow mosaic spray Imidachloprid 0.5ml/ litre.

SMS: Rain: 02&03.07- 4&3 mm. Irrigate the crop. Moringa- Pinching at 60 DAS, earthing up and spraying of Gibberellic acid @ 20 ppm on 90th DAS may be followed.

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	<ul style="list-style-type: none"> <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 on Day 3 (04.07.2022) and Day 4 (05.07.2022).

		<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.

Professor and Head
Agricultural Research Station
Kovilpatti