



Tamil Nadu Agricultural University
&
Indi Meteorological Department
Agromet Advisory Bulletin for the Thoothukudi district
Bulletin No. 046/2022 Issued on 10.06.2022
(From 11th June 2022 to 15th June 2022)



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

Weather Summary for the period since the issue of last bulletin 45 (07.06.2022) for Tamil Nadu. Maximum temperature ranged on 30-40°C and minimum temperature ranged on 21-30°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 17-21°C and minimum temperature ranged on 10-13°C. During this period wide spread distribution with very light to moderate intensity of rainfall was recorded in Tamil Nadu on 07.06.2022 and for next two days it was dry.

Weather Summary for Thoothukudi district

Past week weather Summary (07.06.2022 to 09.06.2022)			Weather Parameters	Ensemble weather forecast valid until 08:30 hrs of 15.06.2022				
Day 1 07/06	Day 2 08/06	Day 3 09/06		Day 1 11/06	Day 2 12/06	Day 3 13/06	Day 4 14/06	Day 5 15/06
0.0	0.0	0.0	Rainfall (mm)	0	0	2	0	0
34	37	38	Max. Temp. (°C)	37	37	36	36	36
27	27	28	Min. Temp. (°C)	28	28	28	28	27
7	4	4	Cloud cover (Octa)	3	3	5	5	3
79	80	70	Relative humidity - Mor. (%)	70	70	70	70	70
66	54	71	Relative humidity - Eve. (%)	60	60	60	60	60
4	6	11	Wind speed (kmph)	14	14	14	14	14
290/W NW	290/W NW	200/SS W	Wind direction (dd)	230/SW	230/SW	250/ WSW	270/W	230/SW

Weather forecast for next five days: 11.06.2022 to 15.06.2022

According to district forecast issued by the India Meteorological Department for Thoothukudi district, sky condition will be partly to generally cloudy. Very light rainfall is predicted for day 3 (13.06.2022). The Maximum temperature is expected to be around 36-37°C and Minimum temperature is expected to be around 27-28°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 14 km per hour and the wind direction will be from West South West, West and Southwest direction.

Agromet Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Irrigated crops	Water management	<ul style="list-style-type: none"> <input type="checkbox"/> Very light rainfall is predicted for day 3 (13.06.2022). Dry spell occurrence during previous week and very light rainfall predicted for coming week, crop may undergo stress. So, the farmers are advised to go for irrigation. <input type="checkbox"/> However, irrigation may be planned based on the regular monitoring of weather forecast as South West monsoon started. <input type="checkbox"/> Strengthen the drainage channel in order to avoid crop lodging, if rainfall occurrence may notice.
Agricultural/ Horticultural crops	Spraying/ Fertilizer	Based on the local weather prevail, spraying of chemicals and fertilizer application may be done.
Dry land		Farmers are requested to practice the summer ploughing based on the suitable soil moisture prevailing for ploughing.
Banana	All stages	<ul style="list-style-type: none"> <input type="checkbox"/> Under prevailing weather condition Wilt disease noticed. Soil drenching of Carbendazim 0.1 per cent solution around the pseudostem at bimonthly intervals starting from five months after planting. <input type="checkbox"/> High 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,

SMS: Rain: 13.06-2 mm. Irrigate the crop & Spraying may be given. Moringa- Pinching at 60 DAS, earthing up and spraying of Gibberellic acid @ 20 ppm on 90th DAS may be followed.

Tamil Nadu

The Northern Limit of Monsoon (NLM) continues to pass through Lat. 16°N/ Long. 60°E, Lat. 16°N/ Long. 70°E, Vengurla, Chikmagalur, Bengaluru, Puducherry, Lat. 14°N/ Long. 84°E, Lat. 17.0°N/ Long. 87°E, Lat.20.0°N/89.5°E, Lat.22.0°N/90°E, Lat.25.0°N/89°E, Siliguri and 27.50°N/88°E. Southwest Monsoon has further advanced into some more parts of Karnataka. Conditions are favorable for advance of monsoon into some more parts of Karnataka, remaining parts of Tamilnadu and some parts of south Andhra Pradesh during next 48 hours. Conditions would continue to become favourable for further advance of monsoon into entire Karnataka and more parts of Andhra Pradesh during subsequent 2 days. The cyclonic circulation over east central Arabian sea off south Konkan-Goa coasts extending upto 5.8 km above mean sea level tilting southwestwards with height persists. A trough runs from Northeast Madhya Pradesh to West central Bay of Bengal off north Andhra Pradesh coast at 0.9 km above mean sea level.

Next five days	Weather warning	<input type="checkbox"/> Light to moderate rain is likely to occur at a few places with isolated thunderstorm over Tamilnadu, Puducherry and
----------------	-----------------	--

		<p>Karaikal area. Heavy rain is likely to occur at isolated places over Theni, Dindigul, Virudhunagar and Madurai districts of Tamilnadu on Day 1 (11.06.2022)</p> <p>☐ Light to moderate rain is likely to occur at a few places with isolated thunderstorm over Tamilnadu, Puducherry and Karaikal area on Day 2 (12.06.2022) and Day 3 (13.06.2022)</p> <p>☐ Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry and Karaikal area on Day 4 (14.06.2022) and Day 5 (15.06.2022).</p>
	Heavy Rainfall Warning	Day 1 (10.06.2022): Heavy rain is likely to occur at isolated places over Theni, Dindigul, Virudhunagar and Madurai districts of Tamilnadu.
	Thunderstorm Warning	Day 1 (11.06.2022) to Day 3(13.06.2022): Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area.
Extended range of forecast		Week 2 (17.06.2022 to 23.06.2022): during this week rainfall for Tamil Nadu will be above normal.

Professor and Head
Agricultural Research Station
Kovilpatti