



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



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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 Tirunelveli 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 15/05
0.0	0.0	0.0	Rainfall (mm)	0	2	3	0	0
37	37	37	Max. Temp. (°C)	37	37	37	37	36
25	25	25	Min. Temp. (°C)	27	27	27	27	27
2	3	1	Cloud cover (Octa)	3	3	5	5	3
62	56	60	Relative humidity - Mor. (%)	65	65	65	65	65
58	60	62	Relative humidity - Eve. (%)	45	45	45	45	45
0	2	15	Wind speed (kmph)	10	10	10	10	10
0/N	360/N	360/N	Wind direction (dd)	250/WS W	270/W	270/ W	290/WN W	270/W

Weather forecast for next five days: 11.06.2022 to 15.06.2022

According to district forecast issued by the India Meteorological Department for Tirunelveli district, sky condition will be partly to generally cloudy. Very light rainfall is predicted on day 2 (13.06.2022) and 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°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 direction.

Agro Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Irrigated crops	Water management	<ul style="list-style-type: none"> <input type="checkbox"/> Very light rainfall is predicted on day 2 (13.06.2022) and 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.
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.
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.
Sorghum	Panicle emergence stage	In the prevailing weather condition Stem borer incidence may be noticed. For controlling this monitor the pest and if incidence crosses economic threshold level (10%) mix any one of the following insecticides with sand to make up a total quantity of 50 kg/ ha and apply in the leaf whorls. Mix the sand with Phorate 10G 8 kg/ha or Carbofuran 3G 17 kg/ha.
Rice	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) Chlorpyrifos 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.

SMS: Rain: 12&13.06-2&3 mm. Irrigation, Spraying may be given. Cotton- **white fly-spray** Acetamiprid 20% SP 100 g/ha (or) Chlorpyrifos 20% EC 1250 ml/ha .

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 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) <input type="checkbox"/> 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) <input type="checkbox"/> 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).
	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.

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