



**Tamil Nadu Agricultural University  
&  
India Meteorological Department**



**Agromet Advisory Bulletin for the Virudhunagar district**

**Bulletin No. 061/2022 Issued on 02.08.2022**

**(From 03<sup>rd</sup> August 2022 to 07<sup>th</sup> August 2022**

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

Weather Summary for the period since the issue of last bulletin 60 (29.07.2022) for Tamil Nadu. Maximum temperature ranged on 31-37°C and minimum temperature ranged on 22-28°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 19-24°C and minimum temperature ranged on 10-11°C. During this period wide spread distribution with very light to moderate intensity of rainfall was recorded in Tamil Nadu.

**Weather Summary for Virudhunagar district**

Past week weather Summary (29.07.2022 to 01.08.2022)				Weather Parameters	Ensemble weather forecast valid until 08:30 hrs of 07.08.2022				
Day 1 29/07	Day 2 30/07	Day 3 31/07	Day 4 01/08		Day 1 03/08	Day 2 04/08	Day 3 05/08	Day 4 06/08	Day 5 07/08
0.0	0.0	7.4	6.2	<b>Rainfall (mm)</b>	8	28	20	6	4
34	32	35	34	<b>Max. Temp. (°C)</b>	34	33	32	34	35
24	25	23	23	<b>Min. Temp. (°C)</b>	26	25	26	27	27
6	6	5	7	<b>Cloud cover (Octa)</b>	7	7	7	7	5
90	76	80	89	<b>Relative humidity - Mor. (%)</b>	75	75	75	70	70
64	65	54	70	<b>Relative humidity - Eve. (%)</b>	65	65	65	55	55
3	5	6	4	<b>Wind speed (kmph)</b>	14	14	14	12	12
180/S	180/S	140/SE	200/S	<b>Wind direction (dd)</b>	230/S W	230/S W	230/S W	230/S W	230/SW

**Weather forecast for next five days: 03.08.2022 to 07.08.2022**

According to district forecast issued by the India Meteorological Department for Virudhunagar district, sky condition will be partly to generally cloudy sky. Light to moderate rainfall is predicted for next five days. The Maximum temperature is expected to be around 32-35°C and Minimum temperature is expected to be around 25-27°C. Morning relative humidity is expected to be around 70-75 per cent and evening relative humidity is expected to be around 55-65 per cent. 24-hour wind speed is expected to be around 12-14 km per hour and the wind direction will be from Southwest direction.

## Agromet Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Irrigated crops	Water management	Light to moderate rainfall is predicted for next five days. Farmers are requested to postpone the irrigation.
Dry land		Farmers are requested to practice ploughing for the ensuing monsoon.
Coconut		Prevailing Weather and deficiency induce button shedding. To minimize the loss, root feeding of the tonic @ 200 ml / palm twice a year at six months interval, increases the number and size of nuts.
Banana		<ul style="list-style-type: none"> <li><input type="checkbox"/> Continuous rainfall may damage crop, so farmers are advised to provide stake for banana plant (propping) to prevent the crop lodging.</li> <li><input type="checkbox"/> Earthing up should be done for avoiding water logged conditions and also to provide proper drainage facilities to the plant.</li> <li><input type="checkbox"/> Open deep trenches between the plant rows for improving the drainage condition of the land.</li> <li><input type="checkbox"/> Avoid planting.</li> <li><input type="checkbox"/> Present weather is conducive for Sigatoka leaf spot. As a prophylactic measure, give 0.1 per cent Propiconazole, 0.2 per cent Carbendazim and 0.25 per cent Mancozeb foliar sprays with 15-day intervals between each spray.</li> </ul>
Animal husbandry	Goat	<p>PPR - Peste - des - petits Ruminants.</p> <p>i. Highly contagious viral disease of goats causes high mortality.</p> <p>ii. Affected animals will have high fever, loss of appetite, foul smelling diarrhoea and discharge from eyes &amp; Nose. Prevention &amp; <b>control measures:</b> i .Regular vaccination can prevent the occurrence of the disease. ii. Vaccination should be done to the kids above 3 months and should be repeated every year during July, August and september.iii. Affected animals should be treated separately. iv. Wash the oral lesions with 1% KMNO<sub>4</sub> solution v. Give soft feeds like Rice or Ragi gruel to the affected animals. vi. Strict bio- security measure should be followed</p>
Onion		<ul style="list-style-type: none"> <li><input type="checkbox"/> Prevail weather is conducive for Onion <i>Spodoptera litura</i> damage: Symptoms: Pale greenish with dark markings young larvae first feed gregariously and scrape the leaves. Older larvae spread out and may completely devour the leaves resulting in poor growth of plants. Management: Spraying Spinosad @ 0.75ml/ litre of water. If incident exists repeat the spray after 15 days.</li> <li><input type="checkbox"/> Prevail weather is conducive for Onion Thrips Symptoms of damage: 1. Small white silvery patches are seen all over the leaves.2. In severe infestation, leaves dry from tip to downward. Spray insecticides, Fipronil 80 WG @1.5 g/10 lit.</li> </ul>

**SMS:** Rain:03-07.08-8,28,20,6&4mm. Postpone the Irrigation & spraying. Onion–*Spodoptera litura* - Spray Spinosad @ 0.75ml/ litre of water.

### Tamil Nadu

Southwest monsoon has been vigorous over Tamilnadu, South Interior Karnataka and Rayalaseema and active over Kerala and North Interior Karnataka. Yesterday's North-south trough from south Chhattisgarh to Comorin area across Telangana, Rayalaseema and Tamilnadu at 0.9 km above mean sea level persists. Yesterday's cyclonic circulation over coastal Tamilnadu & neighbourhood now lies over westcentral & adjoining southwest Bay of Bengal off Andhra Pradesh coast at 1.5 km above mean sea level. Yesterday's shear zone now runs roughly along 11°N over south peninsular India between 3.1 km & 7.6 km above mean sea level tilting southwards with height.

Next five days	Weather warning	<ul style="list-style-type: none"> <li><input type="checkbox"/> Light to moderate rain at many places with isolated thunderstorm and lightning is likely to occur over Tamilnadu, Puducherry and Karaikal area on Day 1 (03.08.22).</li> <li><input type="checkbox"/> Isolated heavy to very heavy rain with extremely heavy falls at one or two places is likely to occur over Theni, Dindigul, Tiruppur &amp; Coimbatore districts. Heavy to very heavy rain is likely to occur at one or two places over Nilgiris, Erode, Tenkasi, Tirunelveli, Kanyakumari, Madurai and Virudhunagar districts. Heavy rain is likely to occur at one or two places over Thoothukudi, Sivagangai, Karur, Tiruchirapalli, Namakkal, Salem, Dharmapuri, Krishnagiri, Tirupattur, Vellore &amp; Ranipet districts on Day 1 (03.08.22).</li> <li><input type="checkbox"/> Light to moderate rain at many places with isolated thunderstorm and lightning is likely to occur over Tamilnadu, Puducherry and Karaikal area on Day 2 (04.08.22).</li> <li><input type="checkbox"/> Isolated heavy to very heavy rain with extremely heavy falls at one or two places is likely to occur over Theni, Dindigul, Tiruppur &amp; Coimbatore districts. Heavy to very heavy rain is likely to occur at one or two places over Nilgiris, Erode, Dharmapuri, Krishnagiri, Tenkasi, Tirunelveli, Kanyakumari, Madurai and Virudhunagar districts. Heavy rain is likely to occur at one or two places over Tiruchirapalli, Karur, Namakkal, Salem, Tirupattur, Vellore and Ranipet districts on Day 2 (04.08.22).</li> <li><input type="checkbox"/> Light to moderate rain at many places with isolated thunderstorm and lightning is likely to occur over Tamilnadu, Puducherry and Karaikal area on Day 3 (05.08.22).</li> <li><input type="checkbox"/> Isolated heavy to very heavy rain with extremely heavy rainfall at one or two places is likely to occur over Nilgiris &amp; Coimbatore districts. Heavy to very heavy rain is likely at isolated places over Tenkasi, Theni, Dindigul, Tiruppur, Erode, Dharmapuri, Krishnagiri, Salem, Karur and Namakkal districts. Heavy rain is likely to occur at isolated places over Kanyakumari, Tirunelveli, Tiruchirapalli, Tirupattur, Vellore and Ranipet districts on Day 3</li> </ul>
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		<p>(05.08.22).</p> <ul style="list-style-type: none"> <li>□ Light to moderate rain at a few places with isolated thunderstorm and lightning is likely to occur over Tamilnadu, Puducherry and Karaikal area on Day 4 (06.08.22).</li> <li>□ Isolated heavy to very heavy rain is likely to occur at one or two places over Nilgiris, Coimbatore, Tiruppur, Dindigul and Theni districts. Heavy rain is likely to occur at isolated places over Tenkasi, Erode, Dharmapuri, Krishnagiri, Tirupattur, Vellore and Ranipet districts on Day 4 (06.08.22).</li> <li>□ Light to moderate rain at isolated places with isolated thunderstorm and lightning is likely to occur over Tamilnadu, Puducherry and Karaikal area on Day 5 (07.08.22).</li> <li>□ Heavy rain is likely to occur at isolated places over Nilgiris and Coimbatore districts on Day 5 (07.08.22).</li> </ul>
	Thunderstorm Warning	<ul style="list-style-type: none"> <li>□ Thunderstorm with lightning is likely to occur at isolated places over Tamilnadu, Puducherry and Karaikal area on Day 1(03.08.2022) to Day 5(07.08.2022).</li> </ul>

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