



Tamil Nadu Agricultural University
&
India Meteorological Department
Agromet Advisory Bulletin for the Virudhunagar district
Bulletin No. 074/2022 Issued on 16.09.2022
(From 17th September 2022 to 21st September 2022)
Issued jointly by AMFU Unit, Agricultural Research Station, Kovilpatti,
TNAU & IMD



Weather Summary for the period since the issue of last bulletin 73 (13.09.2022) for Tamil Nadu. Maximum temperature ranged on 30-37°C and minimum temperature ranged on 21-27°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 16-22°C and minimum temperature ranged on 9-11°C. During this period isolated distribution with very light to light intensity of rainfall was recorded in Tamil Nadu.

Weather Summary for Virudhunagar district

Past week weather Summary (11.09.2022 to 15.09.2022)					Weather Parameters	Ensemble weather forecast valid until 08:30 hrs of 21.09.2022				
Day 1 11/09	Day 2 12/09	Day 3 13/09	Day 4 14/09	Day 5 15/09		Day 1 17/09	Day 2 18/09	Day 3 19/09	Day 4 20/09	Day 5 21/09
0.0	0.0	0.0	0.1	0.5	Rainfall (mm)	0	0	2	2	0
36	37	37	37	37	Max. Temp. (°C)	36	36	35	35	35
24	24	23	25	23	Min. Temp. (°C)	26	26	26	26	26
4	5	3	4	4	Cloud cover (Octa)	4	5	6	6	4
64	63	61	60	75	Relative humidity - Mor. (%)	70	70	75	75	75
50	52	46	63	52	Relative humidity - Eve. (%)	60	60	65	65	55
10	7	6	7	4	Wind speed (kmph)	12	12	12	12	12
290/ WNW	290 WNW	340/ NNW	90/ E	50/ NE	Wind direction (dd)	230/SW	230/SW	230/SW	250/WSW	250/WSW

Weather forecast for next five days: 17.09.2022 to 21.09.2022

According to district forecast issued by the India Meteorological Department for Virudhunagar district, sky condition will be partly to generally cloudy sky. Very Light rainfall is predicted on day 3 (19.09.2022) and day 4 (20.09.2022). The Maximum temperature is expected to be around 35-36°C and Minimum temperature is expected to be around 26°C. Morning relative humidity is expected to be around 70-75 per cent and evening relative humidity is expected to be around 60-65 per cent. 24-hour wind speed is expected to be around 12 km per hour and the wind direction will be from Southwest and West South West direction.

Agromet Advisory

Crop/ Ecosystem	Stage / Activities	Advisories
Irrigated crops	Water management	Very Light rainfall during past week and very light rainfall is predict on day 3 (19.09.2022) and day 4 (20.09.2022). Rainfall received would not be sufficient for crop. Hence, Farmers are advised to irrigate the crop.
Irrigated crops	Spraying	Moderate relative humidity with wind speed is conducive for disease spread. So, farmers are advised to take the prophylactic measures to control the disease spread.
Dry land sowing	Seed treatment	Adoption of sowing operation using the recent rainfall, farmers are advised to practice the seed treatment with chemicals like, Bevistin 2 g/ kg of seed followed (24 hrs later) bio fertilizer treatment viz., rhizobium 3 pkts for pulses; azospirillum 3 pkts for cereals and millets with phosphobacteria 3 pkts using rice gruel as sticking agent.
Cotton	Germination to vegetative stage	Based on the local weather condition fertilizer application may be done with sufficient soil moisture.
Guava	Fruiting stage	Prevailing weather is conducive for Tea mosquito bug. Spray malathion 2ml/lit water. (or) Thiamethoxam 25WG 40g/acre. Spray 3% neem oil at 3 weeks interval for 4 times. (or) Collect and destroy the damaged plant parts.
Coconut		Due to lack of nutrient, Button shedding is noticed. Root feeding of the TNAU coconut tonic @ 200 ml / palm twice in a year at six months interval, increases number and size of nuts.
Chilli	Nursery preparation	Inputs such as seeds & fertilizer may be kept ready for the sowing based on the rainfall distribution. Incorporate the neem cake in the soil to protect the seedlings from pest and diseases.
Livestock	Sheep	Haemorrhagic Septicaemia: It is a serious acute disease of cattle and Buffaloes caused by a bacteria. Occurrence in more common in rainy season. Affected animals will have high fever, salivation, respiratory distress, and swelling in the throat and neck region. In most of the cases, affected animals will die within 12 to 24 hrs. Disease transmission occurs through direct contact with the affected animals and ingestion of contaminated feed and water. Treatment: Treating the animals with suitable antibiotics at the early stage can prevent the death of the animals. Control: Annual vaccination should be followed before monsoon. Reducing stress to the animals may prevent the occurrence.

SMS: Rain: 19&20.09.-2&2 mm. Cotton- fertilizer application may be done with sufficient soil moisture. Seed treatment with Bevistin 2 g/ kg of seed followed (24 hrs later) bio fertilizer treatment.

Tamil Nadu		
Moderate to strong Westerlies/Southwesterlies prevails over the State in the lower tropospheric levels.		
Next five days	Weather warning	<input type="checkbox"/> Light to moderate rain with thunderstorm & lightning is likely to occur at isolated places over Tamilnadu,

		<p>Puducherry & Karaikal area on Day 1 (17.09.2022) & Day 2 (18.09.2022).</p> <ul style="list-style-type: none">□ Light to moderate rain is likely to occur at a few places over Tamilnadu, Puducherry & Karaikal area on Day 3 (19.09.2022) & Day 4 (20.09.2022).□ Light to moderate rain is likely to occur at isolated places over Tamilnadu, Puducherry & Karaikal area on Day 5(21.09.2022).
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Professor and Head
Agricultural Research Station
Kovilpatti