



Tamil Nadu Agricultural University

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Indi Meteorological Department

Agromet Advisory Bulletin for the Tirunelveli district

Bulletin No. 100/2022 Issued on 16.12.2022

(From 17th December 2022 to 21st December 2022) Issued

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



Weather Summary for the period since the issue of last bulletin 99 (13.12.2022) for Tamil Nadu. Maximum temperature ranged on 24-34°C and minimum temperature ranged on 19-26°C, over the State. Kodaikanal and Uthagamandalam recorded maximum temperature ranged on 14-18°C and minimum temperature ranged on 6-11°C. During this period more places distribution with very light to moderate intensity of rainfall was recorded in Tamil Nadu.

Weather Summary for Tirunelveli district

Past week weather Summary (11.12.2022 to 15.12.2022)					Weather Parameters	Ensemble weather forecast valid until 08:30 hrs of 21.12.2022				
Day 1 11/12	Day 2 12/12	Day 3 13/12	Day 4 14/12	Day 5 15/12		Day 1 17/12	Day 2 18/12	Day 3 19/12	Day 4 20/12	Day 5 21/12
2.6	0.7	0.0	1.6	8.8	Rainfall (mm)	2	2	8	8	12
32	33	33	34	34	Max. Temp. (°C)	34	33	33	32	31
23	23	23	24	24	Min. Temp. (°C)	24	23	22	21	21
3	3	3	5	3	Cloud cover (Octa)	8	6	7	8	8
75	77	75	77	46	Relative humidity - Mor. (%)	90	90	90	90	90
50	47	42	46	47	Relative humidity - Eve. (%)	50	50	50	70	70
2	0	0	0	0	Wind speed (kmph)	12	14	12	16	12
360/N	0/N	0/N	0/N	0/N	Wind direction (dd)	20/NNE	50/ENE	90/E	70/E	90/E

Weather forecast for next five days: 17.12.2022 to 21.12.2022

According to district forecast issued by the India Meteorological Department for Tirunelveli district, sky condition will be generally cloudy sky. Very light to light rainfall is predicted for next five days. The Maximum temperature is expected to be around 31-34°C and Minimum temperature is expected to be around 21-24°C. Morning relative humidity is expected to be around 90 per cent and evening relative humidity is expected to be around 50-70 per cent. 24-hour wind speed is expected to be around 12-16 km per hour and the wind direction will be from North-Northeast, East-Northeast and East direction.

Crop Specific Advisory:

Crop(Varieties)	Stage	Crop Specific Advisory
Irrigated crops	Water management	Since rainfall is predicted for five days, chance for rainfall. Hence, the farmers are requested to plan the irrigation based on the local weather and crop requirement.
Rainfed / Horticultural crop	Spraying	High Relative humidity favors the disease occurrence. If rainfall occurrence is postponed/ fail, farmers are request to spray fungicide.
Maize	Corn development stage	1.The prevailing weather condition is conducive for fall armyworm Incidence to manage this pest. At Tasseling and cob formation stage (60 – 65 DAS) Flubendiamide 480 SC 4 ml/10 lit. (or) Chlorantraniliprole 18.5 SC 4 ml/10 lit. 2.Apply foliar spray of maize maxim @ 3 kg / acre twice at tassel initiation and grain filling stages.
Rice	Vegetative stage	High humidity and optimum temperature are the important factors for the leaf folder incidence. To control spray CartapHydrochloride 50 % SP 1000 g/ha (or) Chlorantraniliprole 18.5% SC 150 g/ha
Black gram	Pod development stage	Relative humidity chance for powdery mildew in pulse. Spray Carbendazim 500 g or wettable sulphur 1500g/ha or Propiconazole 500 ml/ha at initiation of the disease and 10 days later.
Coconut	Wind speed / rainfall Intercultural operation	As wind speed is high So, famers are requested for earthing up around the root. • Cut the largest green leaves off the coconut palms. This can be done with a coconut hook or sickle. It will reduce the leverage effect of the wind force and prevent the coconut tree from being broken, uprooted and damaged.
Banana	Wind speed / rainfall Intercultural operation	• Low Pressure Area formed in the Bay of Bengal may move towards south coastal Tamil Nadu. Chance for high wind speed and rainfall may damage the tall plantation. • Wind speed may be damage plantation. Farmers are requested to practice propping (The supporting poles should be tied against the peduncle of developing bunches,). • Open deep trenches between the plant rows for improving the drainage condition of the land.

Tamil Nadu	
Next five days	Weather Warning: Light to moderate rain is likely to occur at one or two places over Tamilnadu, Puducherry & Karaikal area on Day1 (17-12-2022) to Day 3(19-12-2022). Light to moderate rain is likely to occur at many places over Coastal Tamilnadu, Puducherry & Karaikal area; Light to moderate rain is likely to occur at one or two places over Interior Tamilnadu on Day4 (20-12-2022). Light to moderate rain is likely to occur at many places over Coastal Tamilnadu, Puducherry & Karaikal area; Light to moderate rain is likely to occur at one or two places over Interior Tamilnadu on Day5 (21-12-2022). Heavy rain is likely to occur at isolated places over Ramanathapuram, Pudukkottai, Sivaganga,

	Thanjavur, Tiruvarur, Nagapattinam, Mayiladuthurai and Cuddalore districts of Tamilnadu and Karaikal on Day5 (21-12-2022).
Additional information	Moderate Easterlies/ Northeasterlies prevail over the region in the lower tropospheric levels. Yesterday's Low-Pressure Area over Southeast Bay of Bengal & adjoining East Equatorial Indian Ocean persists over the same region. It is likely to move westwards and maintain its intensity over South Bay of Bengal till morning of 17 th December 2022.

Rain:17-21.12-2,2,8,8&12 mm . if rainfall fails apply Carbendazim 500 g for Powdery mildew in pulse. Rice- spray Chlorantraniliprole 18.5% SC 150 g/ha. Maize- maize maxim @ 3 kg / acre