



**Tamil Nadu Agricultural University**  
&  
**India Meteorological Department**  
**Agromet Advisory Bulletin for the Thoothukudi district**  
**Bulletin No. 100/2022 Issued on 16.12.2022**  
**(From 17<sup>th</sup> December 2022 to 21<sup>st</sup> 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**

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
0.0	0.0	0.0	0.8	1.7	<b>Rainfall (mm)</b>	0	2	6	8	12
NA	NA	33	31	30	<b>Max. Temp. (°C)</b>	31	31	30	31	29
NA	23	22	25	23	<b>Min. Temp. (°C)</b>	23	23	22	22	21
NA	7	3	6	3	<b>Cloud cover (Octa)</b>	6	6	7	8	8
NA	80	81	90	80	<b>Relative humidity - Mor. (%)</b>	80	80	90	90	90
NA	78	68	80	76	<b>Relative humidity - Eve. (%)</b>	60	70	70	70	80
NA	1	0	0	4	<b>Wind speed (kmph)</b>	12	14	12	16	12
NA	200/ SSW	0/N	0/N	70/E	<b>Wind direction (dd)</b>	20/NNE	50/ENE	90/E	90/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 Thoothukudi district, sky condition will be generally cloudy sky. Very light to light rainfall is predicted for day 2(18.12.2022) to day 5 (21.12.2022). The Maximum temperature is expected to be around 29-31°C and Minimum temperature is expected to be around 21-23°C. Morning relative humidity is expected to be around 80-90 per cent and evening relative humidity is expected to be around 60-80 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:**

<b>Crop(Varieties)</b>	<b>Stage</b>	<b>Crop Specific Advisory</b>
Irrigated crops	Water management	Since rainfall is predicted for four 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 favours 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.
CHILLI	Vegetative stage	Thrips showed positive correlation along with morning relative humidity. To control apply ethion 50 EC @ 2ml /litre to control thrips and mite damage.
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 trees. 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. Earthing up should be done at rainy season for avoiding water logged conditions. It will also provide proper drainage facilities to the plant.

**Tamil Nadu**

Next five	Weather Warning: Light to moderate rain is likely to occur at one or two places over
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days	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).
Weather condition	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 17th December 2022.

Rain: 18-21-2,6,8&12 mm. Wind- Banana – propping. 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