

**Agro-meteorological Bulletin and Assessment for Farmers and Livestock Producers of
Trinidad and Tobago for the 15-Day Period (1st -15th) of August, 2025**

Date: 31 July 2025

Definitions used in the forecast and bulletin

Term	Meaning
Rain Day	A day with 1.0 mm or more of rainfall amount
Wet Day	A day with 10.0 mm or more of rainfall amount
Extremely Wet Day	A day with 25.0 mm or more of rainfall amount
Normal Rainfall	Between 75% and 125 % of the average
Below Normal Rainfall	Rainfall below 75% of the average
Above Normal Rainfall	Rainfall in excess of 125 % of the average
Much below Normal Rainfall	Rainfall below 50% of the average
Much above Normal Rainfall	Rainfall above 150% of the average
Scanty Rainfall	Less than 1 mm
Moderate Rainfall	1-10 mm
Heavy Rainfall	10-50 mm
Very heavy Rainfall	Greater than 50 mm
Probability of 1-30 %	Low Chance
Probability of 30-70 %	Moderate Chance
Probability greater than 70%	High Chance

Term	Amount of Rain	Type of day
Scanty Rainfall	Less than 1 mm	Relatively dry day
Moderate Rainfall	1-10 mm	Relatively wet day
Heavy Rainfall	10-50 mm	Wet day
Very heavy Rainfall	Greater than 50 mm	Excessively wet day

Summary of Expected conditions:

From August 1st to 15th, near to below normal rainfall is expected. However wet days are forecast 1st to 4th, 7th to 9th and 12th to 13th across various farmlands, with heavier bouts of rainfall likely to cause street/flash flooding on low-lying fields and access roads. These wet conditions will maintain a moderate to high risk of pests and disease, while slightly warmer conditions are also expected to raise the risk of heat hazards from low to moderate.

Weather Assessment for the period 16th to 31st July, 2025.

During the second 15-day period, near to below normal rainfall occurred across various farmlands. At Piarco, two extremely wet days (17th, 23rd) and three wet days contributed to near normal rainfall totaling 117.5 mm. At Crown Point, one extremely wet day (19th) and two wet days contributed to a 15-day rainfall total of 99.8 mm at Crown Point. The rainfall totals maps for the period 16th to 31st of July for Trinidad and Tobago are located below as figure 1 and figure 2.

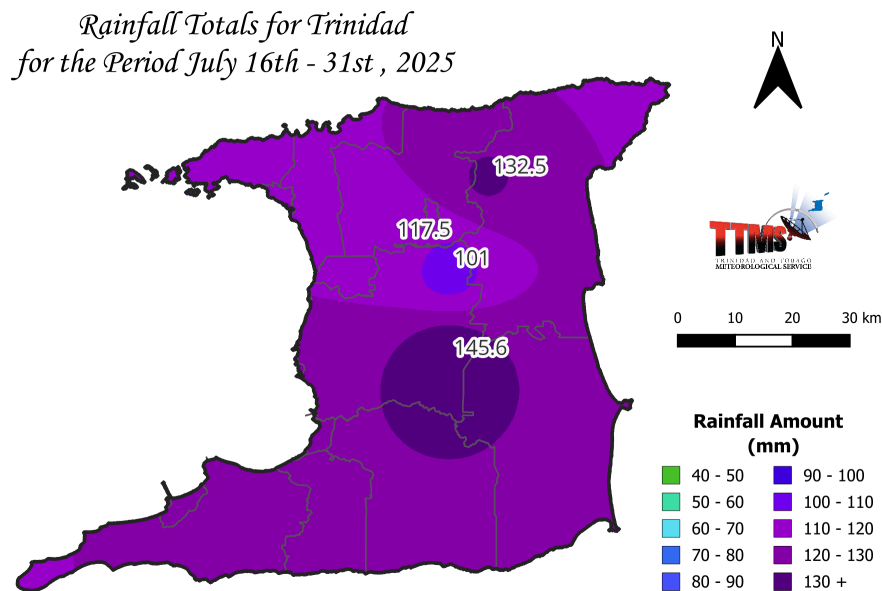


Figure 1. Rainfall map of Trinidad showing measured rainfall totals for varying districts during the period 16th to 31st of July.

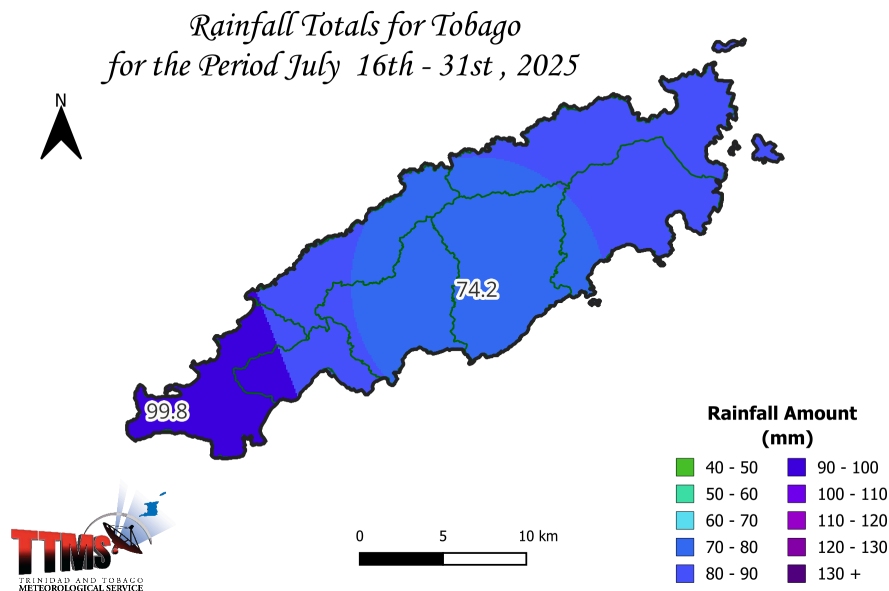

















Figure 2. Rainfall map of Tobago showing measured rainfall totals for varying districts during the period 16th to 31st of July.

Temperatures:

For the second half of July, the nights have remained warmer than normal however days have been as warm as usual. Piarcó observed no hot days (maximum temperature over 34.0 °C) with a maximum daytime temperature 33.2 °C (29th) however, the night-time minimum temperatures ranged from 22.1 °C to 25.1 °C at Piarcó. Tobago did not observe any hot days (maximum temperatures above 33.0 °C at Crown Point) however warm nights mainly occurred. The maximum daytime temperature was 31.8 °C (25th) and the minimum temperatures ranged from 23.7 °C to 27.4 °C at Crown Point. Factoring the relative humidity however these temperatures had a 'real feel' that was higher than the observed maximum temperature.
















Agro-meteorological Forecast:

Date	Weather			Temperature	Heat Index 'Feels Like'	Day Moisture (Relative Humidity)	Wind
1	 40% chance of rainfall	5-10 mm of rainfall is possible	Partly cloudy, hazy, showers, isolated thunderstorm	 Warm Max/Min Temperatures 32°C/24°C	Feels like 35°C-36 °C	58-76%	 East-southeast 20-30 km/h Gust 50 km/h
2	 80% chance of rainfall	6-15 mm of rainfall is possible	Mostly cloudy/ cloudy, gusty, showery, isolated heavy shower/thunderstorm	 Warm Max/Min Temperatures 31°C/24°C	Feels like 36°C-36 °C	66-77%	 East-southeast 20-30 km/h Gust 50 km/h
3	 80% chance of rainfall	6-15 mm of rainfall is possible	Mostly cloudy/cloudy, gusty, showery, heavy shower/thunderstorms	 Warm Max/Min Temperatures 32°C/23°C	Feels like 38°C-39 °C	66-80%	 East 20-39 km/h Gust 50 km/h
4	 70% chance of rainfall	5-10 mm of rainfall is possible	Mostly cloudy, gusty, isolated heavy shower/thunderstorm	 Warm Max/Min Temperatures 32°C/23°C	Feels like 38°C-39 °C	67-79%	 East-southeast 20-30 km/h Gust 50 km/h
5	 40% chance of rainfall	5-10 mm of rainfall is possible	Partly cloudy, hazy, breezy, few/ scattered showers	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 38°C-41 °C	63-74%	 East-northeast 20-39 km/h Gust 50 km/h

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Date	Weather			Temperature	Heat Index 'Feels Like'	Day Moisture (Relative Humidity)	Wind
6	 40% chance of rainfall	5-8 mm of rainfall is possible	Partly cloudy, hazy, breezy, few/ scattered showers	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 37°C-39 °C	58-76%	 East-northeast 20-39 km/h Gust 50 km/h
7	 40% chance of rainfall	5-8 mm of rainfall is possible	Partly cloudy, hazy, breezy, few/ scattered showers	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 38°C-44 °C	71-79%	 East-northeast 20-39 km/h Gust 50 km/h
8	 70% chance of rainfall	5-10 mm of rainfall is possible	Partly to mostly cloudy, gusty, isolated heavy shower/thunderstorm	 Warm Max/Min Temperatures 32°C/23°C	Feels like 37°C-38 °C	63-77%	 East 20-30 km/h Gust 50 km/h
9	 70% chance of rainfall	5-10 mm of rainfall is possible	Partly to mostly cloudy, gusty, isolated heavy shower/thunderstorm	 Warm Max/Min Temperatures 32°C/23°C	Feels like 37°C-39 °C	65-77%	 East-southeast 20-30 km/h Gust 50 km/h
10	 70% chance of rainfall	5-10 mm of rainfall is possible	Partly cloudy to mostly cloudy, scattered showers	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 37°C-41 °C	63-75%	 East 20-30 km/h Gust 50 km/h

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Date	Weather			Temperature	Heat Index 'Feels Like'	Day Moisture (Relative Humidity)	Wind
11	 70% chance of rainfall	5-8 mm of rainfall is possible	Partly cloudy to mostly cloudy, scattered showers	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 37°C-46 °C	76-86%	 East 20-30 km/h Gust 50 km/h
12	 70% chance of rainfall	6-8 mm of rainfall is possible	Partly to mostly cloudy, gusty, isolated heavy shower/thunderstorm	 Very Warm Max/Min Temperatures 33°C/23°C	Feels like 37°C-46 °C	76-86%	 East-southeast 20-30 km/h Gust 50 km/h
13	 70% chance of rainfall	6-15 mm of rainfall is possible	Partly to mostly cloudy, gusty, isolated heavy shower/thunderstorm	 Very Warm Max/Min Temperatures 33°C/23°C	Feels like 38°C-43 °C	70-80%	 East-southeast 20-30 km/h Gust 50 km/h
14	 70% chance of rainfall	5-15 mm of rainfall is possible	Partly cloudy to mostly cloudy, scattered showers	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 38°C-42 °C	66-76%	 East 20-30 km/h Gust 50 km/h
15	 70% chance of rainfall	5-8 mm of rainfall is possible	Partly cloudy to mostly cloudy, scattered showers	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 38°C-42 °C	66-76%	 East 20-30 km/h Gust 50 km/h

Trinidad Rainfall Forecast for the 15-Day period of August (1st to 15th) 2025.

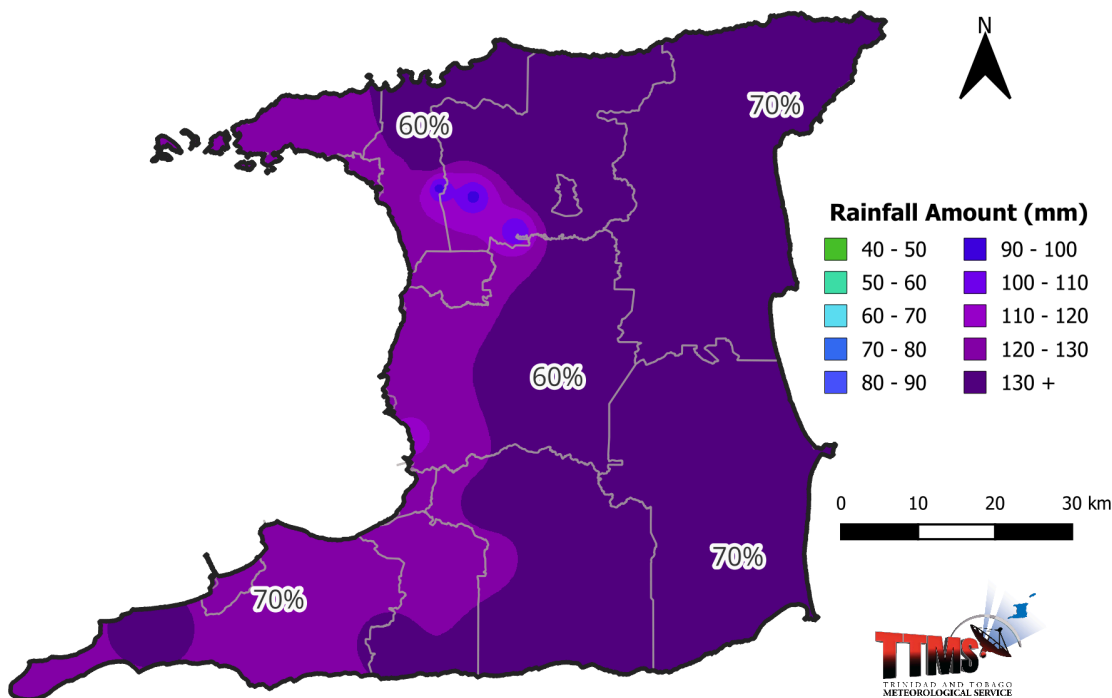


Figure 3. Rainfall map of Trinidad showing expected mean rainfall totals for districts across Trinidad during the 15-day period (1st to 15th) August 2025 and percentage probability of occurrence.

Eastern and North-Eastern areas: High chance (70%) of mean daily rainfall up to 10.4 mm.

South-Eastern areas: High chance (70%) of mean daily rainfall up to 9.1 mm.

Southern areas: High chance (70%) of mean daily rainfall up to 8.6 mm.

South-Western areas: High chance (70%) of mean daily rainfall up to 8.5 mm.

Central, West-Central, and inland areas: Moderate chance (60%) of mean daily rainfall up to 8.2 mm.

Northern, North-Western areas: Moderate chance (60%) of mean daily rainfall up to 8.9 mm.

Tobago Rainfall Forecast for the 15-Day period of August (1st to 15th) 2025..

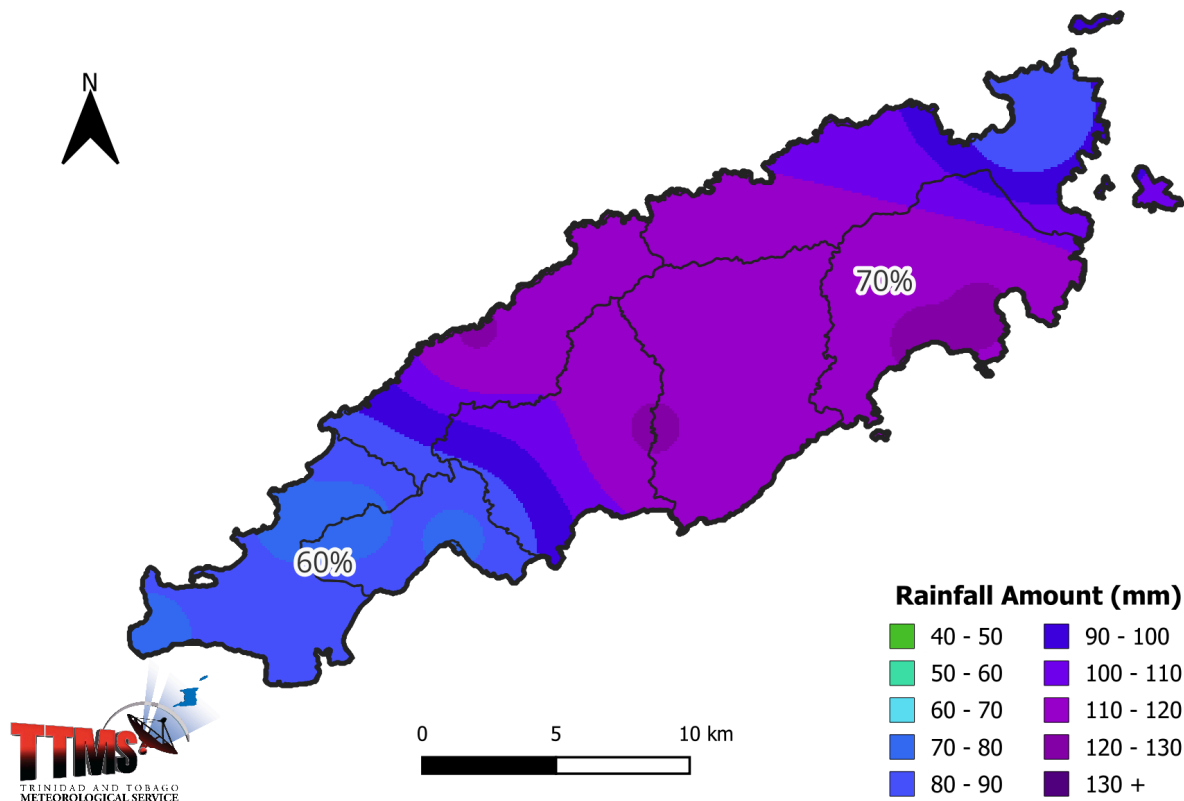


Figure 4. Rainfall map of Tobago showing expected mean rainfall totals for districts across Tobago during the 15-day period (1st to 15th) August 2025 and percentage probability of occurrence.

North-Eastern areas: High chance (70%) of mean daily rainfall up to 7.4 mm.

South-Western areas: Moderate chance (60%) of mean daily rainfall up to 5.8 mm.

Trinidad and Tobago:

During the 15-days, there is a high (80%) chance for partly to mostly cloudy skies with showers. Periods of light to moderate rain are expected with a moderate (60%) chance of heavy showers, thunderstorms and gusty winds favoring farmlands along hillsides of eastern Tobago, western coastal areas of Trinidad and eastern Trinidad.

Near to below normal rainfall is expected 1st- 7th then near normal rainfall forecasted towards mid-August. The 15-day period forecast rainfall totals in Trinidad are expected to range between 97 mm and 189 mm favoring northwestern, northeastern and southeastern areas of Trinidad, see figure 3. In Tobago, 15-day forecast rainfall is expected to range between 78 mm and 121 mm favouring farmlands over eastern areas and northern hillsides, see figure 4. There will be a moderate to high (70%) chance of moderately wet to severely wet conditions across most farmlands during the period.

For the first week, a tranquil weather pattern is expected despite visits of tropical waves and the Inter-tropical Convergence Zone. Near-average mean sea level pressure and no significant regions of instability are forecasted across northern South America. However the atmospheric pattern becomes more favourable to rainfall through mid- to late- August.

Temperatures & Winds:

There will be a higher potential of heat stress during the 15-days: a high (70%) chance of warmer than average nighttime temperatures and a moderate (60%) chance of near normal daytime temperatures. There is a moderate (65%) chance of two hot days in a row. Temperatures are expected to feel as hot as 35°C to 45°C when factoring humidity on the warmest days when daily maximum temperatures of 32-33 °C are forecast. Warm nights with minimum temperatures of 23-27°C are expected (especially southwestern Tobago and eastern Trinidad).

Near average wind speeds are expected (1st - 6th) with a moderate (60%) chance of fresh to strong winds and occasional gusts of 50 km/h or higher expected near heavy showers or isolated thunderstorms. For week 2 (7th - 15th), generally east to southeasterly winds are expected to be slower than average. Evapotranspiration rates in crops of 2.0 mm to 5.0 mm per day on average are expected mainly due to near-normal daytime temperatures forecast during the period.

Moisture levels:

Moderate to high moisture levels are expected across Trinidad and Tobago over the fifteen-day period, with average daytime relative humidity values expected from the high-60s to high-80s, in terms of percentage.

Highlighted Possible Impacts on Agriculture:

During the 15-days, moderately wet to severely wet conditions should continue nationwide. Moderate to heavy rainfall occurring on saturated soils will bring a moderate to high risk of flash flooding, overflowing ponds, land slippage on fields and access roads.

Heat hazards are expected to increase for farm workers, young livestock, newly germinated and transplanted seedlings onto fields. There is a moderate (60%) chance that strong gusts will damage young plants and flowering mature plants in exposed hilly areas. There is a moderate (60%) chance for fungal spread, insect pests and warm/moist weather diseases to develop in crop beds.

Continue to monitor streams and nearby watercourse levels. Implement pest and disease control measures as recommended. Monitor crops and animals for signs of heat stress and irrigate crops as needed especially in the flowering stage.

Sun and Moon Positions in the Sky August (1st to 15th) 2025.

The sun is presently at latitude 17.8 degrees North of the Equator. The day-length or number of sunlight hours in Trinidad and Tobago on August 1st will be 12 hours, 35 minutes decreasing to 12 hours, 28 minutes on August 15th.

Moon Phases: First Quarter, 1st; Full Moon, 9th. According to the tradition of moon phases: August 1st – 2nd and 5th – 6th are good days for planting above-ground crops; 10th – 11th and 14th – 15th are good days for planting below-ground crops; the remaining days are poor planting days and useful for removing weeds, clearing land and ploughing fields.