

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

Date: 2 September 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 September 1st to 15th, near normal rainfall is expected with wet days forecast 1st to 7th 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, meanwhile slightly warmer conditions are set to bring a moderate risk of heat hazards.

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

During the second 15-day period, near normal rainfall occurred across various farmlands. However at Piarco, one excessively wet day (16th) mainly contributed to the 15-day rainfall total of 134.9 mm. At Crown Point, four wet days (23rd, 26th, 30th and 31st) contributed to a 15-day rainfall total of 96.6 mm at Crown Point. The rainfall totals maps for the period 16th to 31st of August for Trinidad and Tobago are located below as figure 1 and figure 2.

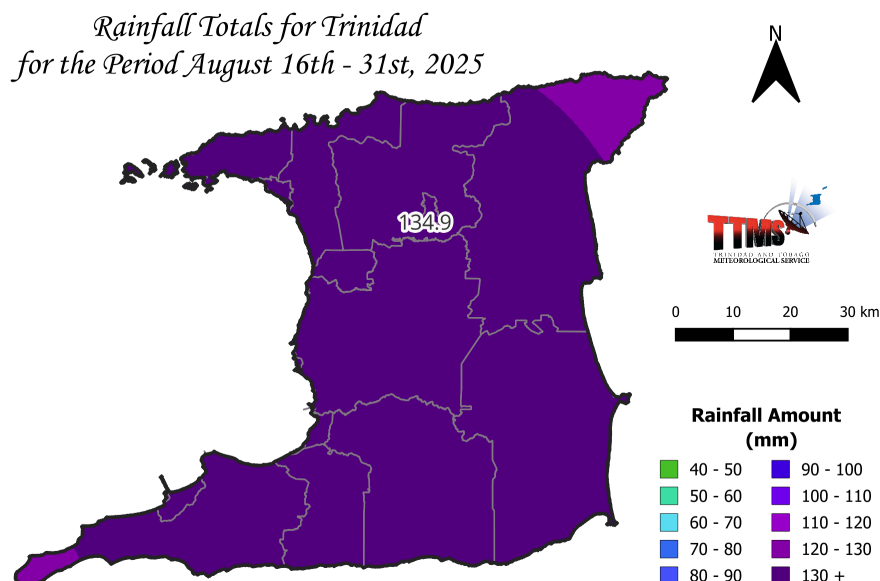


Figure 1. Rainfall map of Trinidad showing measured rainfall totals for varying districts during the period 16th to 31st of August 2025.

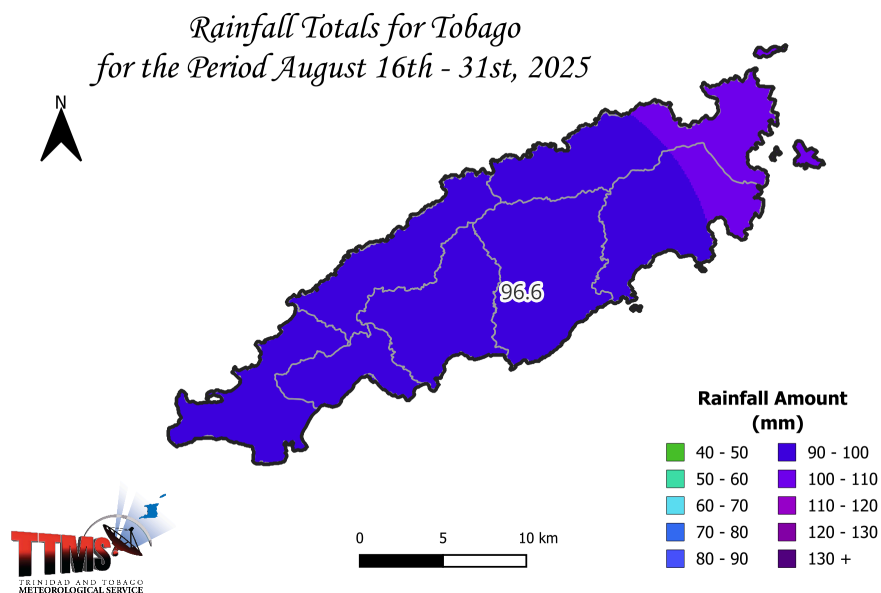






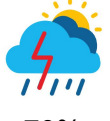





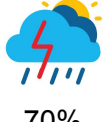




Figure 2. Rainfall map of Tobago showing measured rainfall totals for varying districts during the period 16th to 31st of August 2025.

Temperatures:

For the second half of August, nights have been consistently warmer than normal, while daytime temperatures were mainly normal. Piarcó observed one hot day (maximum temperature over 34.0 °C) with a maximum daytime temperature 34.0 °C (20th) however, the night-time minimum temperatures ranged from 23.6 °C to 25.4 °C at Piarcó. Tobago did not observe any hot days (maximum temperatures above 33.0 °C at Crown Point) however warm nights did occur. The maximum daytime temperature was 32.7 °C (23rd) and the minimum temperatures ranged from 24.4 °C to 27.8 °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	52-74%	 East-southeast 20-30 km/h Gust 50 km/h
2	 60% chance of rainfall	5-10 mm of rainfall is possible	Partly/mostly cloudy, gusty, showery, isolated heavy shower/thunderstorm	 Warm Max/Min Temperatures 32°C/25°C	Feels like 35°C-36 °C	52-74%	 East-southeast 20-30 km/h Gust 50 km/h
3	 70% chance of rainfall	5-20 mm of rainfall is possible	Mostly cloudy, gusty, showery, isolated heavy shower/thunderstorm	 Warm Max/Min Temperatures 32°C/24°C	Feels like 35°C-37 °C	60-75%	 East-southeast 20-39 km/h Gust 50 km/h
4	 70% chance of rainfall	5-20 mm of rainfall is possible	Mostly cloudy, gusty, showery, isolated heavy shower/thunderstorm	 Warm Max/Min Temperatures 31°C/24°C	Feels like 35°C-36 °C	63-80%	 East-southeast 20-30 km/h Gust 50 km/h
5	 70% chance of rainfall	5-20 mm of rainfall is possible	Mostly cloudy, gusty, showery, isolated heavy shower/thunderstorm	 Warm Max/Min Temperatures 32°C/23°C	Feels like 35°C-37 °C	60-75%	 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	 70% chance of rainfall	5-15 mm of rainfall is possible	Partly/mostly cloudy,hazy,gust y,showery, isolated heavy shower/thunders torm	 Very Warm Max/Min Temperatures 33°C/23°C	Feels like 37°C-41 °C	63-74%	 East 20-39 km/h Gust 50 km/h
7	 70% chance of rainfall	5-15 mm of rainfall is possible	Partly/mostly cloudy,hazy,gust y,showery, isolated heavy shower/thunders torm	 Very Warm Max/Min Temperatures 33°C/23°C	Feels like 38°C-41 °C	63-75%	 East 20-39 km/h Gust 50 km/h
8	 60% chance of rainfall	5-10 mm of rainfall is possible	Partly/mostly cloudy,hazy,gust y, isolated heavy shower/thunders torm	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 38°C-40 °C	62-75%	 East 11-30 km/h Gust 50 km/h
9	 20% chance of rainfall	3-8 mm of rainfall is possible	Partly cloudy, hazy, few/scattered showers	 Very Warm Max/Min Temperatures 33°C/23°C	Feels like 37°C-38 °C	55-70%	 East-southeast 11-30 km/h Gust 50 km/h
10	 20% chance of rainfall	3-5 mm of rainfall is possible	Partly cloudy, hazy, few/scattered showers	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 37°C-38 °C	55-77%	 East-southeast 11-30 km/h Gust 50 km/h

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Date	Weather			Temperature	Heat Index 'Feels Like'	Day Moisture (Relative Humidity)	Wind
11	 20% chance of rainfall	3-5 mm of rainfall is possible	Partly cloudy, hazy, few/scattered showers	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 37°C-38°C	55-75%	 East-southeast 20-30 km/h Gust 50 km/h
12	 40% chance of rainfall	3-5 mm of rainfall is possible	Partly to mostly cloudy, gusty, isolated heavy shower/thunders torm	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 38°C-38°C	57-80%	 East-southeast 20-30 km/h Gust 50 km/h
13	 40% chance of rainfall	3-5 mm of rainfall is possible	Partly to mostly cloudy, gusty, isolated heavy shower/thunders torm	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 39°C-38°C	55-80%	 East 20-30 km/h Gust 50 km/h
14	 40% chance of rainfall	5-5 mm of rainfall is possible	Partly to mostly cloudy, gusty, isolated heavy shower/thunders torm	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 39°C-40°C	60-80%	 East 20-30 km/h Gust 50 km/h
15	 20% chance of rainfall	5-8 mm of rainfall is possible	Partly to mostly cloudy, gusty, isolated heavy shower/thunders torm	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 39°C-40°C	60-80%	 East 20-30 km/h Gust 50 km/h

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

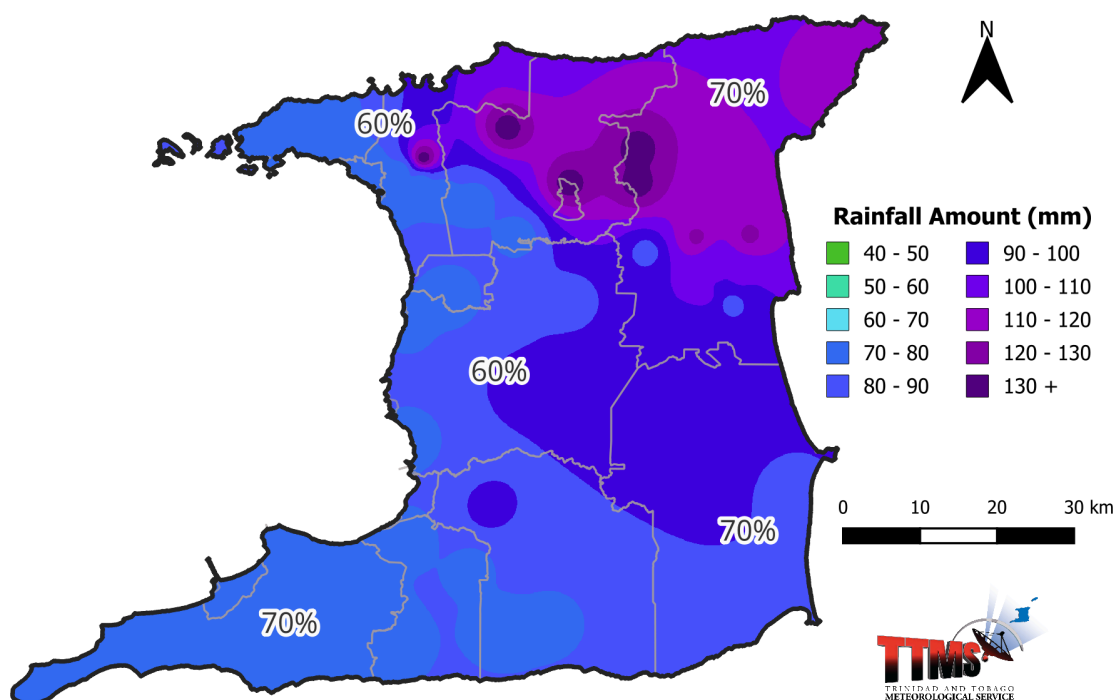


Figure 3. Rainfall map of Trinidad showing expected mean rainfall totals for districts across Trinidad during the 15-day period (1st to 15th) September 2025 and percentage probability of occurrence.

Eastern and North-Eastern areas: High chance (70%) of mean daily rainfall up to 7.3 mm.

South-Eastern areas: High chance (70%) of mean daily rainfall up to 5.9 mm.

Southern areas: High chance (70%) of mean daily rainfall up to 5.3 mm.

South-Western areas: High chance (70%) of mean daily rainfall up to 5.3 mm.

Central, West-Central, and inland areas: Moderate chance (60%) of mean daily rainfall up to 5.5 mm.

Northern, North-Western areas: Moderate chance (60%) of mean daily rainfall up to 6.0 mm.

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

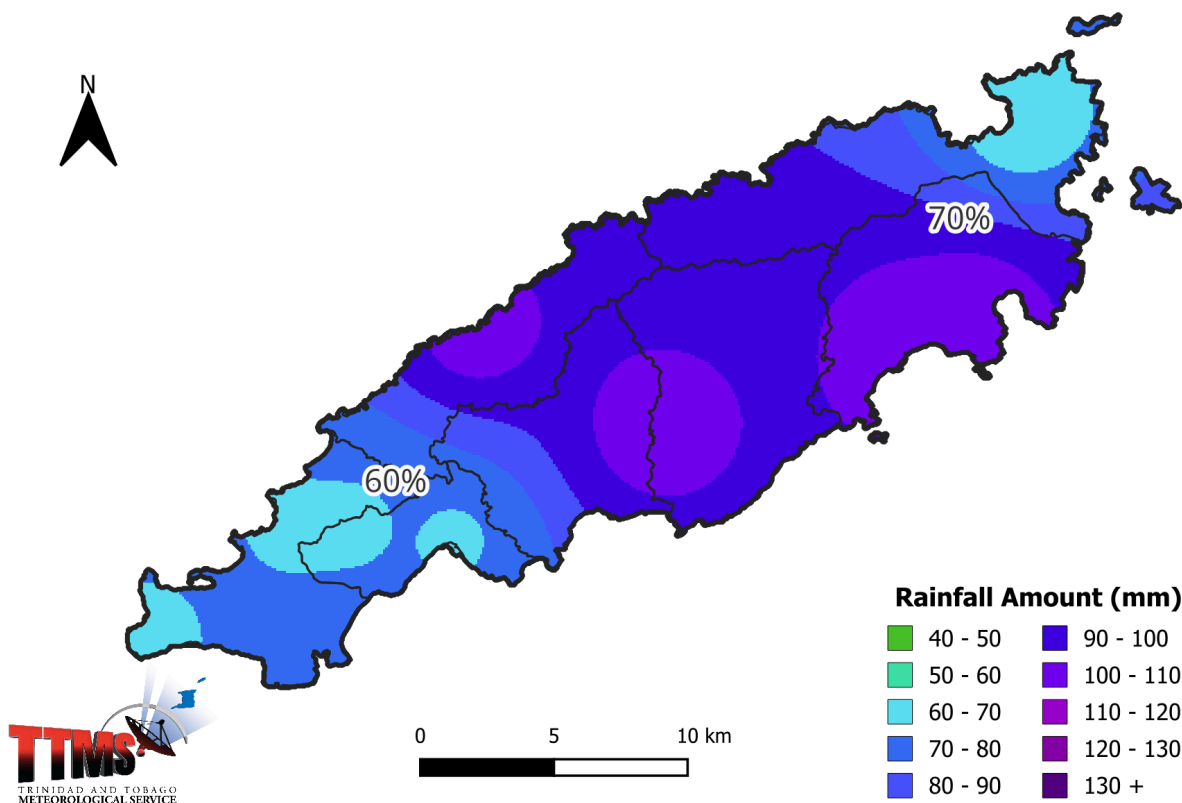


Figure 4. Rainfall map of Tobago showing expected mean rainfall totals for districts across Tobago during the 15-day period (1st to 15th) September 2025 and percentage probability of occurrence.

North-Eastern areas: High chance (70%) of mean daily rainfall up to 6.3 mm.

South-Western areas: Moderate chance (60%) of mean daily rainfall up to 5.1 mm.

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Trinidad and Tobago:

During the 15-days, there is a high (80%) chance for near normal rainfall.

Mostly cloudy to cloudy skies with showery spells, periods of light to moderate rain and moderate to high (70%) chance of heavy showers, thunderstorms and gusty winds favoring farmlands across the majority of Tobago and northern, eastern and western coastal areas of Trinidad.

Near normal rainfall is expected 1st- 7th then near to below normal rainfall forecasted towards mid-September. The 15-day period forecast rainfall totals in Trinidad are expected to range between 73 mm and 135 mm favoring northwestern, northeastern and southeastern areas of Trinidad, see figure 3. In Tobago, 15-day forecast rainfall is expected to range between 65 mm and 104 mm favouring most farmlands especially farms on hillsides, see figure 4. There will be a moderate (60%) chance of moderately wet to severely wet conditions across most farmlands during the period.

Temperatures & Winds:

There will be a moderate potential of heat stress during the 15-days: a high (70%) chance of warmer than average nighttime temperatures with a moderate (60%) chance of near normal daytime temperatures. There is a moderate (55%) 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 31-33 °C are forecast. Warm nights with minimum temperatures of 24-27°C are expected (especially southwestern Tobago and eastern Trinidad).

Generally, east to southeasterly winds at near average wind speeds are expected with a moderate (60%) chance of fresh winds and occasional gusts of 50 km/h or higher expected near heavy showers or isolated thunderstorms. Lower 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 in September for farm workers, young livestock, newly germinated and transplanted seedlings onto fields. Strong gusts will likely 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. So, 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 September (1st to 15th) 2025.

The sun is presently at latitude 8 degrees North of the Equator. The day-length or number of sunlight hours in Trinidad and Tobago from September 1st will be 12 hours, 19 minutes decreasing to 12 hours, 10 minutes on September 15th.

Moon Phases: Full Moon, 7th and Third Quarter, 14th. According to the tradition of moon phases: August 1st – 3rd, 6th – 7th are good days for planting above-ground crops; 7th, 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.