

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

Definitions used in the forecast and bulletin:

Term		Meaning
Dekad		10 day rainfall measuring period
Rain Day		A day with 1.0 mm or more of rainfall amount
Wet Day		A day with 10.0 mm or more 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

Near normal rainfall amounts are expected across various farmlands in Trinidad and Tobago during the first 15 days of January 2026. Unfavorable conditions exist for heat hazards in January 2026.

Weather Assessment for the period 16th to 30th December 2025.

From December 16th to 30th, Trinidad observed below-normal rainfall, with a 15-day rainfall total of 23.8 mm at Piarco, due to relatively wet days on the 17th, 28th, 24th, and 29th. Tobago observed above normal rainfall with a 15-day rainfall total of 66.7 mm with wet days on the 17th, 26th, 28th, and 29th. [The rainfall totals maps for the period 16th to 30th of December for Trinidad and Tobago are located](#) below as figure 1 and figure 2.

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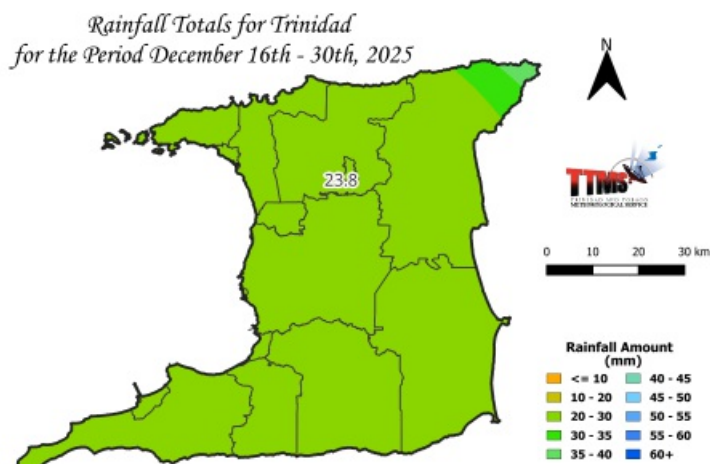


Figure 1. Rainfall map of Trinidad showing measured rainfall totals for varying districts during the period 16th to 30th of December 2025.

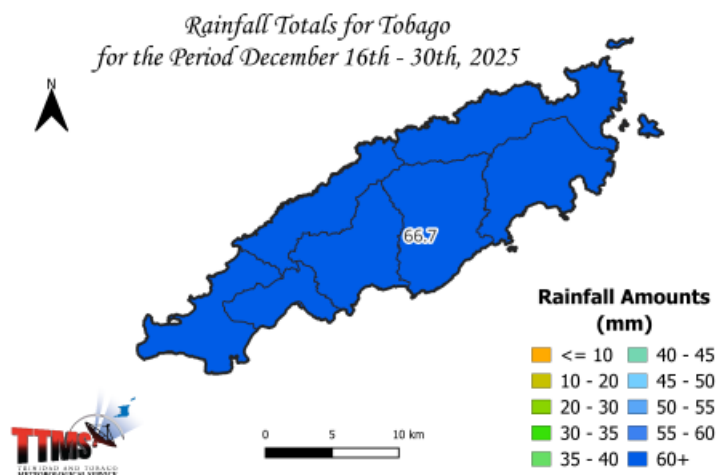


Figure 2. Rainfall map of Tobago showing measured rainfall totals for varying districts during the period 16th to 30th of December 2025.

Temperatures:

Trinidad and Tobago is in its cool season (northern hemisphere winter months of December to February). During the second half of December, there were no hot days at Piarcó (maximum temperature at least 34.0 °C) with a maximum daytime temperature reached 31.8 °C both the 17th and 26th. The nighttime conditions have cooled, night-time minimum temperatures fell as low as 22.4 °C at Piarcó.







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Similarly, Crown Point, Tobago did not observe any hot days (maximum temperatures at least 33.0 °C) the maximum daytime temperature reached 30.8 °C (22nd) and the minimum temperatures fell to 22.3 °C at Crown Point.












Factoring in 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 Real Feel	Day Moisture (Relative Humidity)	Wind
1 st	 40% chance of showers	0-1 mm of rainfall is possible	Patchy cloudiness, breezy, a shower	 Warm Max/Min Temperatures °C 30.0/23.0	Feels like 32-34 °C	54-66%	 East northerneast 10-20 km/h Gust 30 km/h
2 nd	 30% chance of showers	0-1 mm of rainfall is possible	Patchy cloudiness, breezy, a shower	 Warm Max/Min Temperatures °C 30°C/22°C	Feels like 33°- 34°C	60-66%	 East northerneast 10-20 km/h Gust 30 km/h













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3 rd	 30% chance of showers	0-1 mm of rainfall is possible	Patchy cloudiness, breezy, a shower	 Warm Max/Min Temperatures °C 29°C/22°C	Feels like 33°-34°C	63-74%	 East northerneast 10-20 km/h Gust 30 km/h
4 th	 30% chance of showers	Less than 1.0 mm of rainfall is possible	Patchy cloudiness, breezy, a shower	 Warm Max/Min Temperatures °C 29°C/22°C	Feels like 32°-33°C	65-70%	 East northerneast 10-20 km/h Gust 30 km/h
5 th	 30% chance of showers	1-2 mm of rainfall is possible	Partly cloudy, breezy to windy, few showers	 Warm Max/Min Temperatures °C 29°C/22°C	Feels like 33°-34°C	70-76%	 Moderate Easterly 20 km/h Gust 30 km/h
6 th	 40% chance of showers	Less than 6.0 mm of rainfall is possible	Partly cloudy, breezy/windy, few showers	 Warm Max/Min Temperatures °C	Feels like 32°-34°C	65-77%	 Moderate Easterly 20 km/h Gust 30 km/h

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				29°C/22°C			
7 th	 20% chance of showers	Less than 2.0 mm of rainfall is possible	Partly cloudy, breezy, few showers	 Warm Max/Min Temperatures °C 31°C/22°C	Feels like 33°-35°C	66-70%	 East northerneast 10-20 km/h Gust 30 km/h
8 th	 40% chance of showers	1-4 mm of rainfall is possible	Partly to mostly cloudy, breezy, few showers	 Warm Max/Min Temperatures °C 29°C/22°C	Feels like 32-33°C	66-70%	 East northerneast 10-20 km/h Gust 30 km/h
9 th	 60% chance of showers	4-15 mm of rainfall is possible	Partly to mostly cloudy, breezy, few showers particularly south Trinidad	 Warm Max/Min Temperatures °C 28°C/23°C	Feels like 29°-34°C	61-90%	 Easterly 10-20 km/h Gust 30 km/h
	 60%	1-9 mm of	Partly to mostly cloudy, breezy, few		Feels		 East northerneast







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10 th	chance of showers	rainfall is possible	showers particularly south Trinidad	Warm Max/Min Temperatures °C 30°C/22°C	like 33°- 35°C	61-70%	10-20 km/h Gust 30 km/h
11 th	 40% chance of rainfall	Less than 3.0 mm of rainfall is possible	Partly to mostly cloudy, breezy, few showers	 Warm Max/Min Temperatures °C 30°C/22°C	Feels like 34°- 35°C	60-75%	 East northerneast 10-20 km/h Gust 30 km/h
12 th	 30% chance of showers	Less than 1.0 mm of rainfall is possible	Patchy cloudiness, breezy, a shower	 Warm Max/Min Temperatures °C 29°C/22°C	Feels like 33°- 34°C	60-74%	 East northerneast 10-20 km/h Gust 30 km/h
13 th	 30% chance of showers	0-1 mm of rainfall is possible	Patchy cloudiness, breezy, a light shower	 Warm Max/Min Temperatures °C 30°C/22°C	Feels like 33°- 35°C	59-70%	 East northerneast 10-20 km/h Gust 30 km/h

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14 th	 20% chance of showers	0-1 mm of rainfall is possible	Patchy cloudiness, breezy, a light shower	 Warm Max/Min Temperatures °C 28°C/22°C	Feels like 29°- 31C	56-71%	 East northerneast 10-20 km/h Gust 30 km/h
15 th	 30% chance of showers	0-1 mm of rainfall is possible	Patchy cloudiness, breezy, a light shower	 Warm Max/Min Temperatures °C 29°C/22°C	Feels like 30°- 33C	56-70%	 East northerneast 10-20 km/h Gust 30 km/h

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Trinidad Rainfall Forecast for the 15-Day period of January (1st to 15th) 2026.

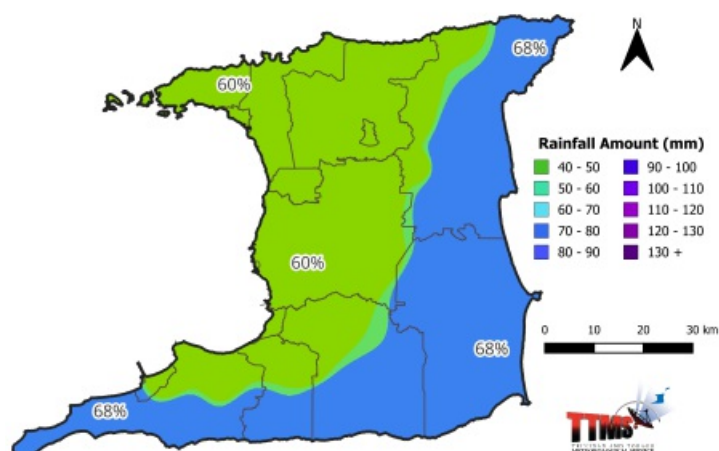


Figure 3. Rainfall map of Trinidad showing expected mean rainfall totals for districts across Trinidad during the 15-day period (1st to 15th January 2026) and percentage probability of occurrence.

Eastern and North-Eastern areas: Moderate chance (68%) of mean daily rainfall up to 3.3 mm.

South-Eastern areas: Moderate chance (68%) of mean daily rainfall up to 4.0 mm.

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Southern areas: Moderate chance (68%) of mean daily rainfall up to 3.2 mm.

South-Western areas: Moderate chance (68%) of mean daily rainfall up to 3.1 mm.

Central, West-Central, and inland areas: Moderate chance (60%) of mean daily rainfall up to 1.6 mm.

Northern, North-Western areas: Moderate chance (60%) of mean daily rainfall up to 1.6 mm.

Tobago Rainfall Forecast for the 15-Day period of January (1st to 15th) 2026.

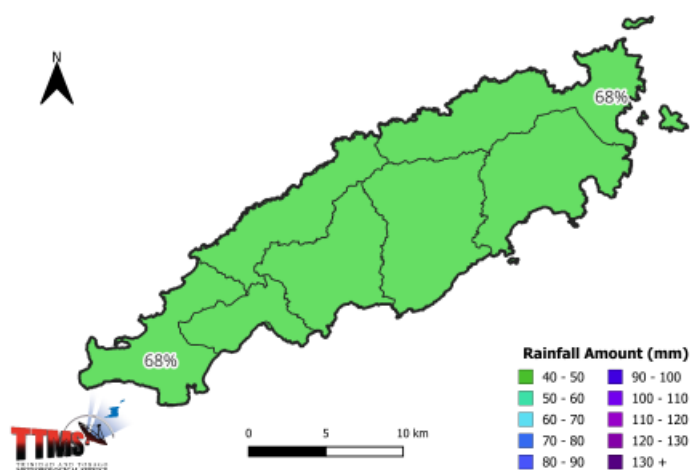


Figure 4. Rainfall map of Tobago showing expected mean rainfall totals for districts across Tobago during the 15-day period (1st to 15th January 2026) and percentage probability of occurrence.

North-Eastern areas: Moderate chance (68%) of mean daily rainfall up to 2.5 mm.

South-Western areas: Moderate chance (68%) of mean daily rainfall up to 2.5 mm.

Trinidad and Tobago:

From January 1st to 15th, mainly patchy cloudiness to partly cloudy periods and breezy conditions with occasional showers are expected to produce near-normal rainfall amounts across farmlands. Near normal rainfall amounts are expected across various farmlands from January 1st to 15th with relatively wet days forecast on the 6th and 10th and a wet

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day on the 9th January 2026. On wet days, there is a low to moderate risk of street/ flash flooding on low-lying and access roads. The rainfall totals in Trinidad are expected to range between 25 mm and 60 mm favoring the southern, eastern and northeastern areas of Trinidad, see figure 3. In Tobago, the rainfall is expected to be around 38 mm favouring farmlands across all of Tobago., see figure 4.

Temperatures & Winds:

There is a very low (10%) risk of heat hazards in January 2026. Daily maximum temperatures of 28 °C to 30 °C are forecast, however temperatures are expected to feel as hot as 30 °C to 35 °C when factoring humidity on the hottest days and calm winds. Generally nighttime minimum temperatures will range from 22 °C to 24 °C.

Generally steady, moderate to fresh east to northeasterly winds at near normal wind speeds are expected with a moderate (65%) chance of occasional gusts of 30 km/h or higher on hilltops and exposed coastal areas. Evaporation rates up to 5.0 mm per day on average are expected, especially on warm, breezy days forecast during the period.

Moisture levels:

Low to moderate moisture levels are expected across Trinidad and Tobago over the fifteen-day period, with average daytime relative humidity values expected from the mid-50s to low-90s, in terms of percentage.

Highlighted Possible Impacts on Agriculture:

From the 1st to 15th, there is a very low (10%) risk of heat hazards for farm workers, young livestock, newly germinated/ transplanted seedlings onto fields. Warm but less moist conditions will provide a low (20%) chance for fungal spread, insect pests and diseases to develop in crop beds. Saharan dust/air may affect small ruminants and poultry.

There is a low to moderate risk of street/flash flooding, on access roads. Downpours producing strong gusts will likely damage young plants and flowering mature plants in exposed hilly areas. Maintain adequate drainage on fields. Ensure regular weeding to reduce competition and water stress on crops. Implement pest and disease control measures as recommended. Monitor crops and irrigate crops as needed especially in the flowering stage.

Sun and Moon Positions in the Sky December (1st to 15th) 2026.

The sun is presently at latitude 23.1° degrees South of the Equator. The day-length or number of sunlight hours in Trinidad and Tobago from January 1st will be 11 hours, 31 minutes, increasing to 11 hours, 34 minutes on January 15th 2026.

Moon Phases: Full Moon, 3rd and Third Quarter, 10th. According to the tradition of moon phases: January 1st, 2nd, 14th, and 15th are bad days for planting crops; The 3rd-4th and 9th-13th are good days for planting root crops while the 5th-8th are barren days best for killing weeds, clearing land, and ploughing fields.

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Summary

Summary of Expected conditions:

Near normal rainfall amounts are expected across various farmlands from January 1st to 15th with relatively wet days forecast on the 6th and 10th and a wet day on the 9th January 2026. On wet days, there is a low to moderate risk of street/flash flooding on low-lying and access roads. Unfavorable conditions exist for heat hazards in January 2026.

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