



TRINIDAD AND TOBAGO METEOROLOGICAL SERVICE

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Agro-meteorological Bulletin and Assessment for Farmers and Livestock Producers of Trinidad and Tobago for the Second 15-Day Period (16th - 31st) of March, 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

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Summary of Expected conditions:

Continued browning of vegetation and lowering of soil moisture due to less than usual rainfall expected during partly cloudy, hazy and breezy conditions across most farmlands.

More relatively dry days are expected to bring near-to or below-normal rainfall amounts with daily rainfall totals forecast up to 3 mm from 16th to 31st March. Temperatures are expected to be relatively higher despite breezy conditions, so there is a moderate risk of heat stress during the fifteen days.

Weather Assessment for the period 1st to 15th March, 2025.

Relatively dry days across much of the country during the first half of March has resulted in much below normal rainfall especially over northwestern and central Trinidad and southwestern Tobago. Tobago has experienced a 15-day rainfall amount at Crown Point of just 3.6 mm (8% of normal March rainfall of 43.0 mm). Similarly in Trinidad, extreme low rainfall at Piarco has produced a 15-day rainfall amount of 5.1 mm (13 % of normal March rainfall of 40.6 mm). The rainfall totals maps for the period 1st to 15th of March for Trinidad and Tobago are located below as figure 1 and figure 2.

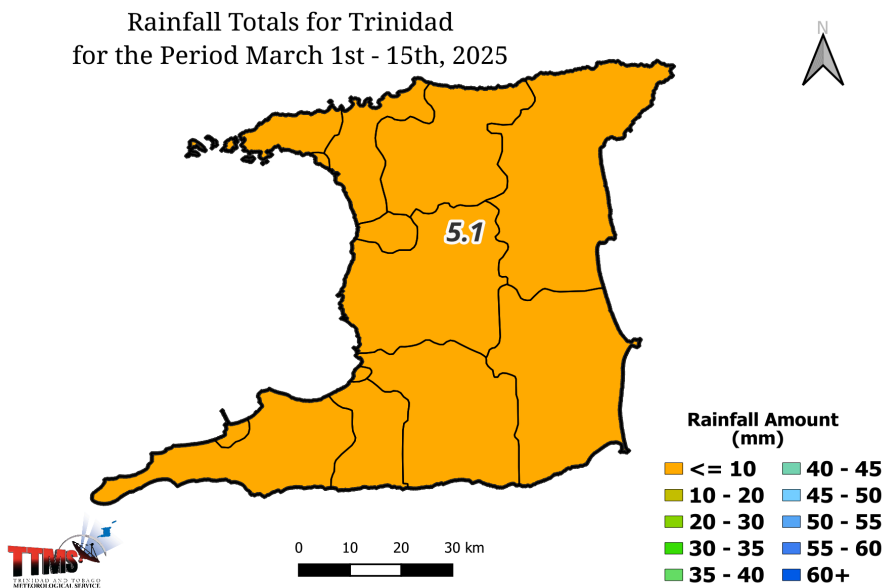


Figure 1. Rainfall map of Trinidad showing measured rainfall totals for varying districts during the period 1st to 15th of March.

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Rainfall Totals for Tobago
for the Period March 1st - 15th, 2025

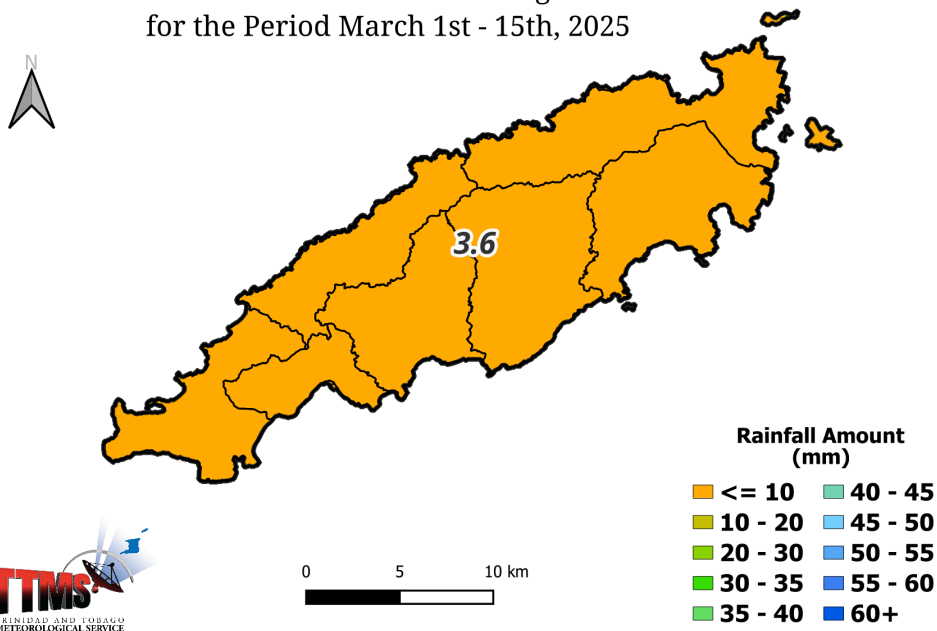


Figure 2. Rainfall map of Tobago showing measured rainfall totals for varying districts during the period 1st to 15th of March.
















Temperatures:

Warm to very warm days dominated the first half of March with 1 hot day (maximum temperature over 34.0 °C) observed at Piarco, 34.2 °C (12th). The minimum night-time temperatures ranged from 20.7 °C to 23.9 °C at Piarco. Tobago also experienced warm conditions on most days and nights but no hot days (maximum temperatures above 33.0 °C at Crown Point). The maximum daytime temperature was 31.7 °C (13th) and the minimum night-time temperatures ranged from 22.7 °C to 25.6 °C at Crown Point. Factoring the relative humidity however, these temperatures had a 'real feel' that was higher than the observed temperature.

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Agro-meteorological Forecast:

Date	Weather		Temperature	Heat 'Real Feel'	Day Moisture (Relative Humidity)	Wind	
16	 30% chance of rainfall	1-3 mm of rainfall is possible	Partly to mostly cloudy, hazy	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 34°C-36°C	55-65%	 East 20-30 km/h Gust 39 km/h
17	 30% chance of rainfall	1-3 mm of rainfall is possible	Partly to mostly cloudy, hazy	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 34°C-36°C	50-65%	 East 20-30 km/h Gust 39 km/h
18	 40% chance of rainfall	1-3 mm of rainfall is possible	Partly to mostly cloudy, hazy	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 34°C-36°C	50-65%	 East 20-30 km/h Gust 39 km/h
19	 40% chance of rainfall	1-3 mm of rainfall is possible	Partly to mostly cloudy, hazy	 Warm Max/Min Temperatures 32°C/23°C	Feels like 33°C-36°C	50-65%	 East-southeast 20-30 km/h Gust 39 km/h
20	 40% chance of rainfall	1-3 mm of rainfall is possible	Partly to mostly cloudy, hazy	 Warm Max/Min Temperatures 32°C/23°C	Feels like 35°C-36°C	52-65%	 East-southeast 20-30 km/h Gust 39 km/h
















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Date	Weather		Temperature	Heat 'Real Feel'	Day Moisture (Relative Humidity)	Wind	
21	 40% chance of rainfall	1-2 mm of rainfall is possible	Partly cloudy,hazy	 Very Warm Max/Min Temperatures 33°C/24°C	Feels like 35°C-38°C	47-65%	 East-southeast 20-30 km/h Gust 39 km/h
22	 40% chance of rainfall	1-2 mm of rainfall is possible	Partly cloudy,hazy	 Very Warm Max/Min Temperatures 33°C/23°C	Feels like 35°C-38°C	47-65%	 East-southeast 20-30 km/h Gust 39 km/h
23	 40% chance of rainfall	1-2 mm of rainfall is possible	Partly cloudy,hazy	 Very Warm Max/Min Temperatures 33°C/23°C	Feels like 35°C-38°C	48-65%	 East-southeast 20-30 km/h Gust 39 km/h
24	 40% chance of rainfall	1-2 mm of rainfall is possible	Partly cloudy,hazy ,breezy.	 Very Warm Max/Min Temperatures 33°C/23°C	Feels like 35°C-38°C	48-65%	 East 30-39 km/h Gust 50 km/h
25	 20% chance of rainfall	0-1 mm of rainfall is possible	Partly cloudy,hazy , breezy.	 Very Warm Max/Min Temperatures 33°C/23°C	Feels like 35°C-38°C	48-65%	 East 30-39 km/h Gust 50 km/h




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Date	Weather		Temperature	Heat 'Real Feel'	Day Moisture (Relative Humidity)	Wind	
26	 20% chance of rainfall	0-1 mm of rainfall is possible	Partly cloudy, breezy.	 Very Warm Max/Min Temperatures 33°C/23°C	Feels like 35°C-38°C	48-65%	 East 30-39 km/h Gust 50 km/h
27	 20% chance of rainfall	0-1 mm of rainfall is possible	Partly cloudy, breezy.	 Very Warm Max/Min Temperatures 33°C/23°C	Feels like 35°C-38°C	48-65%	 East 30-39 km/h Gust 50 km/h
28	 20% chance of rainfall	0-1 mm of rainfall is possible	Partly cloudy, breezy.	 Very Warm Max/Min Temperatures 33°C/23°C	Feels like 36°C-39°C	55-65%	 East-northeast 30-39 km/h Gust 50 km/h
29	 60% chance of rainfall	1-2 mm of rainfall is possible	Partly to mostly cloudy, breezy	 Very Warm Max/Min Temperatures 33°C/23°C	Feels like 36°C-39°C	55-65%	 East-northeast 30-39 km/h Gust 50 km/h
30	 60% chance of rainfall	1-3 mm of rainfall is possible	Partly to mostly cloudy, breezy	 Warm Max/Min Temperatures 32°C/23°C	Feels like 35°C-39°C	55-65%	 East-northeast 30-39 km/h Gust 50 km/h

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Date	Weather		Temperature	Heat 'Real Feel'	Day Moisture (Relative Humidity)	Wind	
31	 60% chance of rainfall	1-3 mm of rainfall is possible	Partly to mostly cloudy, breezy	 Warm Max/Min Temperatures 32°C/23°C	Feels like 35°C-39°C	55-65%	 East-northeast 30-39 km/h Gust 50 km/h

Trinidad Rainfall Forecast for the 15-Day period of March (16th - 31st) 2025.

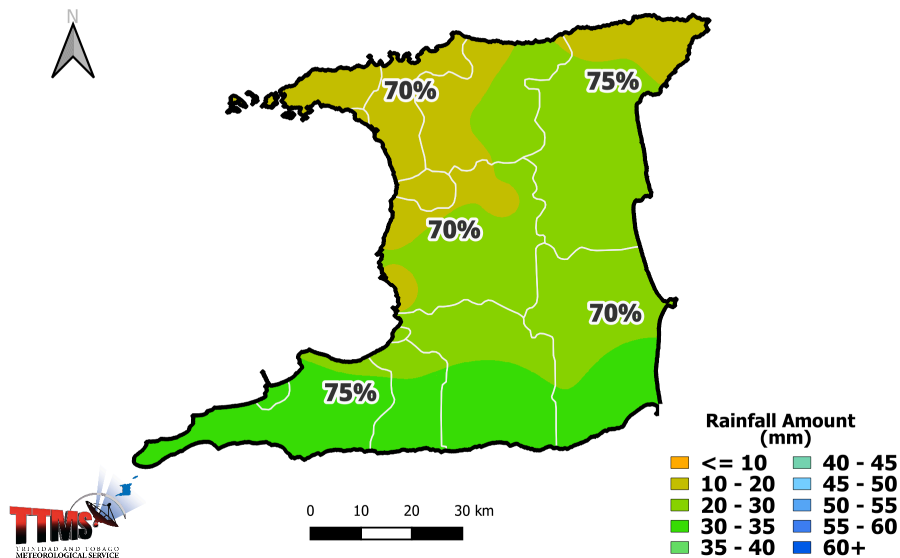


Figure 1. Rainfall map of Trinidad showing expected mean rainfall totals for districts across Trinidad during the 15-day period (16th - 31st) March 2025 and percentage probability of occurrence.

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Eastern and North-Eastern areas: High chance (75%) of mean daily rainfall up to 1.6 mm.

South-Eastern areas: Moderate chance (70%) of mean daily rainfall up to 2.2 mm.

Southern areas: High chance (75%) of mean daily rainfall up to 2.2 mm.

South-Western areas: High chance (75%) of mean daily rainfall up to 2.2 mm.

Central, West-Central, and inland areas: Moderate chance (70%) of mean daily rainfall up to 1.3 mm.

Northern, North-Western areas: Moderate chance (70%) of mean daily rainfall up to 1.1 mm.

Tobago Rainfall Forecast for the 15-Day period of March (16th - 31st) 2025.

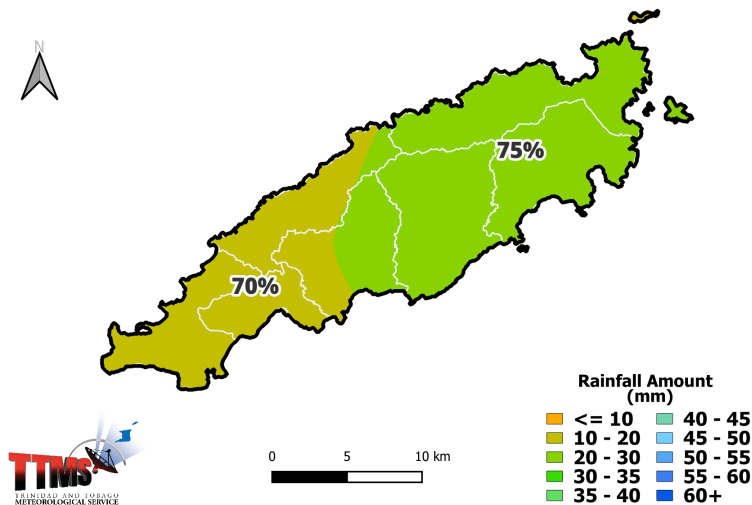


Figure 2. Rainfall map of Tobago showing expected mean rainfall totals for districts across Tobago during the 15-day period (16th - 31st) March 2025 and percentage probability of occurrence.

North-Eastern areas: High chance (75%) of mean daily rainfall up to 1.4 mm.

South-Western areas: Moderate chance (70%) of mean daily rainfall up to 1.1 mm.

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Trinidad and Tobago:

Below normal rainfall amounts with daily rainfall totals up to 3 mm are forecast from 16th to 31st March.

In Trinidad, the 15-day period forecast rainfall totals are expected to range between 15 mm and 35 mm across different farmlands favouring southern and eastern areas of Trinidad: Valencia, Mayaro, Moruga and Penal. In Tobago, 15-day forecast rainfall is expected to range between 12 mm and 25 mm favoring farmlands near windward-facing hillsides in northern and eastern areas.

Temperatures & Winds:

Temperatures for this time of year are expected to be near-to or above normal during most days. From 16th to 31st March there is a moderate to high (70%) chance daytime and nighttime temperatures will be above normal. Forecast daily maximum temperatures will range from 31-32 °C in Tobago and 32-33 °C in Trinidad. Though feeling comfortable on most breezy/windy days, when factoring humidity on the warmest days these temperatures are expected to feel as hot as 32 °C to 39 °C. Minimum temperature of 23.0°C is expected during most nights/early mornings, though higher near western areas and coastlines.

Breezy conditions are expected to continue with a moderate (70%) chance of mainly moderate to fresh easterly winds up to 39 km/h with higher gusts possible. Breezy to windy conditions combined with near-to, or above-normal temperatures are expected to bring average evapotranspiration rates in crops between 4.0 mm to 7.0 mm per day.

Moisture levels:

Low to moderate moisture levels are expected across Trinidad and Tobago over the fifteen-day period, with average daytime relative humidity values mainly ranging from the high-40s to high-60s, in terms of percentage.

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Highlighted Possible Impacts on Agriculture:

Mainly scanty rainfall and partly cloudy, hazy and breezy conditions will favour further browning of vegetation and lowering of soil moisture across farmlands in western and central areas of Trinidad: namely Caroni and Couva. Increasing evaporative stress is expected to favour northwestern, western and central areas of Trinidad, thus scheduling of irrigation days on fields to maintain optimal soil moisture will remain necessary.

Heat stress risk is expected to gradually increase with a moderate (40-60%) chance of heat stress for farm workers, young livestock, newly germinated and transplanted seedlings onto fields. There is a moderate probability (60%) that strong gusts may damage young plants and flowering mature plants in exposed hilly areas. There is a low (30%) chance for fungal spread, insect pests and warm/moist weather diseases to develop in crop beds.

Sun and Moon Positions in the Sky March (16th - 31st) 2025.

The sun is presently 1.5 degrees South of the Equator and the day-length or number of sunlight hours in Trinidad and Tobago on March 16th will be 12 hours, 4 minutes increasing to 12 hours, 13 minutes on March 31st.

Moon Phases: Third Quarter, 22nd; New Moon, 29th. According to the tradition of moon's phases: March 16th – 18th and 22nd – 23rd are good days for planting below-ground crops; 26th – 27th and 30th – 31st are good days for planting above-ground; the remaining days are poor planting days and useful for removing weeds, clearing land and ploughing fields.

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