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Date	Weather		Temperature	Heat Real Feel	Day Moisture (Relative Humidity)	Wind	
1st	 40% chance of showers	Less than 6.0 mm of rainfall is possible	Partly cloudy with few showers	Very Warm  Max/Min Temperatures °C 33.0/25.0	Feels like 35-40°C	55-70%	 Moderate Easterly 20 km/h Gust 40 km/h
2nd	 60% chance of showers	Less than 13.0 mm of rainfall is possible	Mostly cloudy with showers	Very Warm  Max/Min Temperatures °C 32.0/24.0	Feels like 35-42°C	55-75%	 Moderate Southeasterly 20 km/h Gust 40 km/h
3rd	 40% chance of showers	Less than 3.0 mm of rainfall is possible	Partly cloudy with showers	Very Warm  Max/Min Temperatures °C 32.0/24.0	Feels like 37-44°C	60-80%	 Moderate East-southeasterly 20 km/h Gust 40 km/h
4th	 40% chance of showers	Less than 6.0 mm of rainfall is possible	Mostly cloudy with showers	Warm  Max/Min Temperatures °C 32.0/25.0	Feels like 37-44°C	60-80%	 Moderate Southeasterly 20 km/h Gust 40 km/h

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5 th	 60% chance of showers	Less than 18.0 mm of rainfall is possible	Mostly cloudy with showers	Warm  Max/Min Temperatures °C 31.0/25.0	Feels like 37-42°C	70-85%	 Moderate Southeasterly 20 km/h Gust 40 km/h
6 th	 60% chance of showers	Less than 18.0 mm of rainfall is possible	Mostly cloudy with showers	Warm  Max/Min Temperatures °C 31.0/24.0	Feels like 37-41°C	70-80%	 Gentle Easterly 10-20 km/h Gust 40 km/h
7 th	 60% chance of showers	Less than 13.0 mm of rainfall is possible	Mostly cloudy with showers	Warm  Max/Min Temperatures °C 32.0/24.0	Feels like 38-42°C	65-75%	 Moderate Easterly 20 km/h Gust 40 km/h
8 th	 40% chance of showers	Less than 8.0 mm of rainfall is possible	Partly cloudy with few showers	Very Warm  Max/Min Temperatures °C 32.0/24.0	Feels like 38-42°C	65-75%	 Moderate Easterly 20 km/h Gust 40 km/h
9 th	 40% chance of showers	Less than 8.0 mm of rainfall is possible	Partly cloudy with few showers	Very Warm  Max/Min Temperatures °C 32.0/24.0	Feels like 38-42°C	65-75%	 Moderate East-southeasterly 20 km/h Gust 40 km/h
10 th	 20% chance of showers	Less than 3.0 mm of rainfall is possible	Partly cloudy with few showers	Hot  Max/Min Temperatures °C 33.5/24.0	Feels like 37-45°C	50-70%	 Moderate East-southeasterly 20 km/h Gust 40 km/h
11 th	 20% chance of showers	Less than 3.0 mm of rainfall is possible	Mostly sunny with a light shower	Hot  Max/Min Temperatures °C 33.5/24.0	Feels like 37-45°C	50-70%	 Moderate easterly 20 km/h Gust 40 km/h

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12 th	 20% chance of showers	Less than 3.0 mm of rainfall is possible	Mostly sunny with a shower	Hot  Max/Min Temperatures °C 34.0/25.0	Feels like 38-49°C	50-75%	 Moderate southeasterly 20 km/h Gust 40 km/h
13 th	 20% chance of showers	Less than 3.0 mm of rainfall is possible	Mostly sunny with a light shower	Hot  Max/Min Temperatures °C 33.5/25.0	Feels like 37-45°C	50-70%	 Moderate southeasterly 20 km/h Gust 40 km/h
14 th	 40% chance of showers	Less than 6.0 mm of rainfall is possible	Partly cloudy with few showers	Very Warm  Max/Min Temperatures °C 32.0/24.0	Feels like 36-42°C	55-75%	 Moderate Easterly 20 km/h Gust 40 km/h
15 th	 40% chance of showers	Less than 6.0 mm of rainfall is possible	Partly cloudy with few showers	Very Warm  Max/Min Temperatures °C 32.0/24.0	Feels like 34-42°C	50-75%	 Moderate Easterly 20 km/h Gust 40 km/h

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Trinidad Rainfall Forecast for the 15-Day period of May (1st – 15th) 2024.

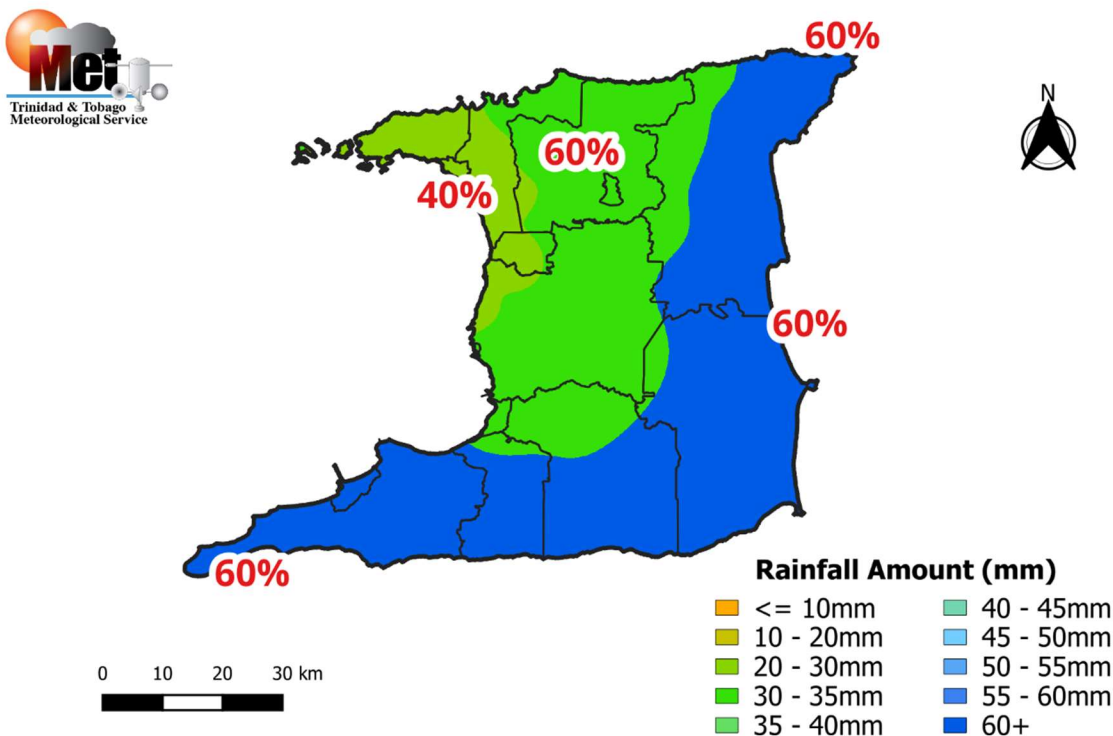


Figure 1. Rainfall map of Trinidad showing expected mean rainfall totals for districts across Trinidad during the 15-day period (1st – 15th) May 2024 and percentage probability of occurrence.

Eastern, and North-Eastern areas:

Moderate chance (60%) of mean daily rainfall up to 4.6 mm.

South-Eastern areas:

Moderate chance (60%) of mean daily rainfall up to 4.6 mm.

Southern areas

Moderate chance (60%) of mean daily rainfall up to 4.6 mm.

South-Western areas

Moderate chance (60%) of mean daily rainfall up to 4.6 mm.

Central, West-Central, and inland areas

Moderate chance (60%) of mean daily rainfall up to 1.8 mm.

Northern, North-Western areas

Moderate chance (40% - 60%) of mean daily rainfall up to 1.8 mm.

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Tobago Rainfall Forecast for the 15-Day period of May (1st – 15th) 2024.

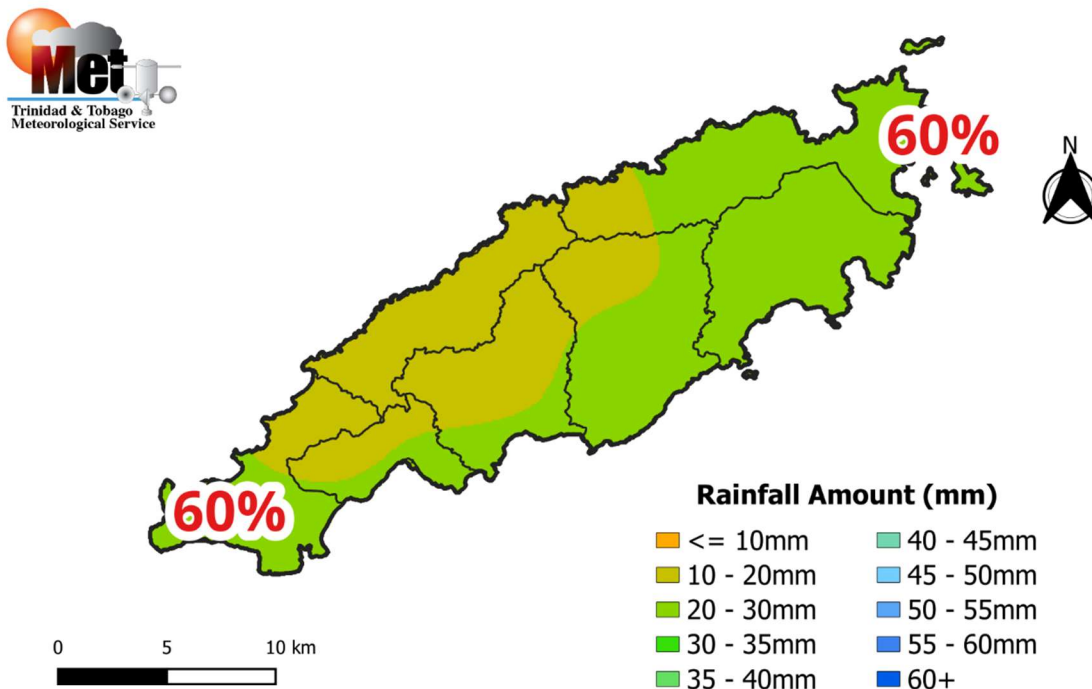


Figure 2. Rainfall map of Tobago showing expected mean rainfall totals for districts across Tobago during the 15-day period (1st – 15th) May 2024 and percentage probability of occurrence.

North-Eastern areas

Moderate chance (60%) of mean daily rainfall up to 1.6 mm.

South-Western areas

Moderate chance (60%) of mean daily rainfall up to 1.3 mm.

Sun and Moon Positions in the Sky May (1st – 15th) 2024.

The sun is presently at 15.5 degrees North latitude and with this position, the day-length or number of sunlight hours in Trinidad and Tobago from May 1st will be 12 hours and 30 minutes, increasing slightly to 12 hours and 37 minutes by 15th of May 2024.

According to the moon's phases, (Last Quarter Phase) May 1st, 4th and 5th are poor planting days and should be used for removing weeds, clearing land and ploughing fields. May 2nd – 3rd are good days for planting belowground crops. During (New Moon Phase) May 6th – 7th and 10th – 12th are good days for planting aboveground crops. However, the 13th – 15th May (First Quarter Phase) are poor planting days. These days should be used for removing weeds, clearing land and ploughing fields.

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Summary of Expected Weather:

Moderate to heavy rainfall amounts are expected during the fifteen days.

Wet days are expected for the second 15 days of May from 5th – 7th with relatively wet days also possible on 2nd, 4th, 8th, 9th, 14th and 15th with less than 10.0 mm of rainfall, while on other days less than 3.0 mm is expected.

Trinidad and Tobago:

Wet days are expected for the second 15 days of May from 5th – 7th with relatively wet days also possible on 2nd, 4th, 8th, 9th, 14th and 15th with less than 10.0 mm of rainfall, while on other days less than 3.0 mm is expected.

The daily rainfall totals are forecast to range between 3.0 mm to 18.0 mm across different farmlands across the islands, favouring the southern, eastern and northeastern coastal areas of Trinidad and southwestern and eastern Tobago. The 15-day rainfall totals range between 20.0 mm and 70.0 mm in Trinidad, and range between 20.0 mm and 35.0 mm in Tobago.

Temperatures & Winds:

Very warm to hot conditions are expected. Daily Maximum temperatures range between 31.0 °C to 34.0 °C throughout the period. However, temperatures are expected to have a real-feel or feels-like between 35.0 °C to 45.0 °C on most days. The minimum temperatures will range between 24.0 °C to 25.0 °C during most nights/early mornings, dropping lower in rural areas and valleys.

In general, mostly moderate easterly to east-southeasterly winds with an average speed of 20-40 km/h are expected. Moderate rainfall totals, mostly moderate wind speeds, very warm or hot days, and warm feels-like temperatures will sustain average evapotranspiration rates in crops ranging between 5.0 to 15.0 mm per day.

Moisture levels:

Over the fifteen-day period across Trinidad and Tobago, moisture levels are expected to be moderate with average daytime relative humidity values in the lower 50s to upper 70s, in terms of percentage.

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Highlighted Possible Impacts on Agriculture:

Expect a few showery interruptions during the first week in May. Partly sunny and at times breezy with very warm to hot conditions interrupted by cloudy spells with showery outbreaks becoming heavy at times are expected during this 15-day forecast period of May 2024. Therefore, greening of grazing pastures should continue. However, scheduling of irrigation days on fields to maintain optimal soil moisture would remain necessary on most days. There is a moderate (40%) chance of heat stress in young livestock, newly germinated and transplanted seedlings onto fields. There is a moderate probability (40-60%) that strong winds may cause physical damage to young plants and flowering mature plants in exposed areas. There is also a low probability (30%) chance for fungi spread, insect pests and warm/moist weather diseases to develop in crop beds.

Weather Assessment for the period April 16th to 30th 2024.

Following moderate rainfall during the first 15 days of April, low to extremely low rainfall amounts occurred during the second half of April across Trinidad and Tobago. The rainfall totals maps for the period 16th to 30th of April for Trinidad and Tobago are located below as figure 1 and figure 2.

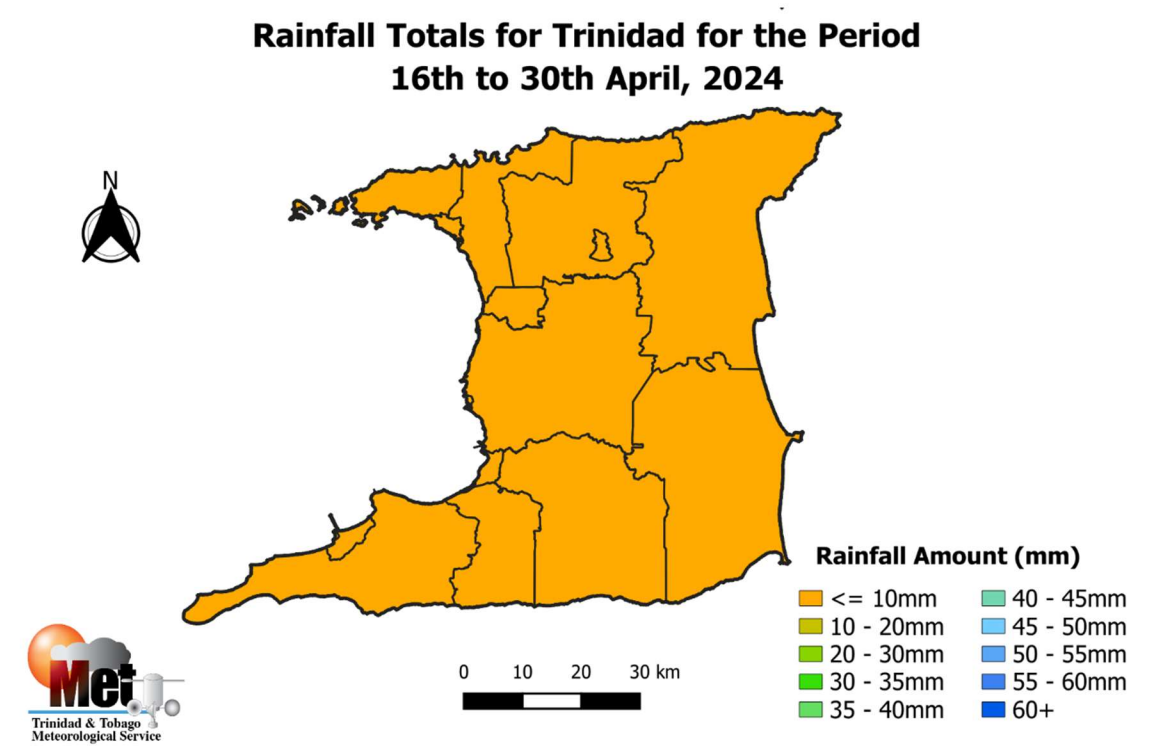


Figure 1. Rainfall map of Trinidad showing measured rainfall totals for varying districts during period 16th to 30th of April 2024.

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Rainfall Totals for Tobago for the Period 16th to 30th April, 2024.

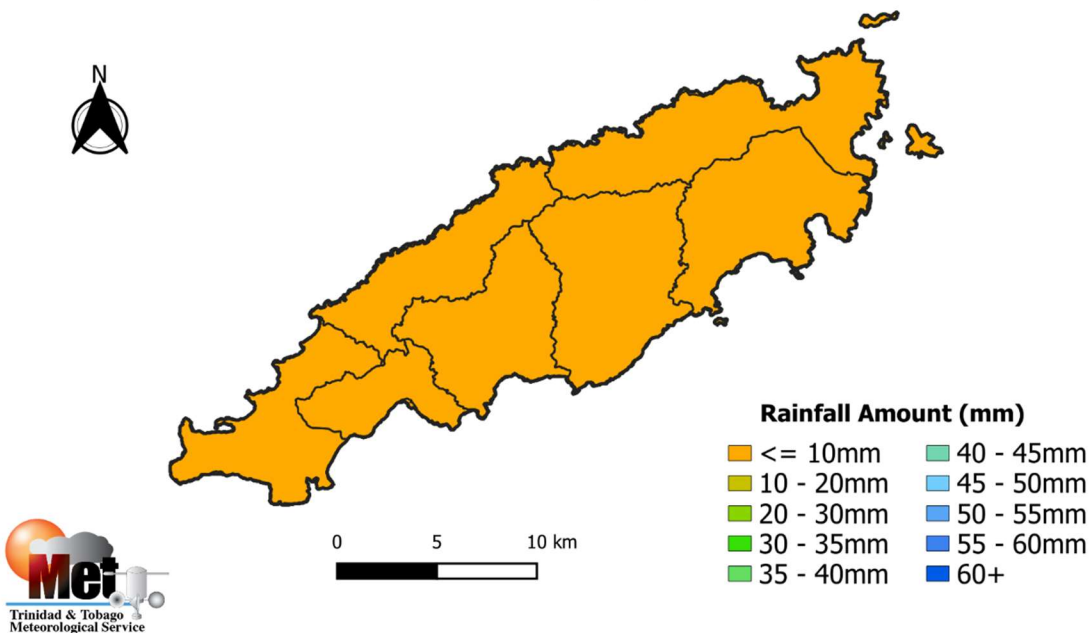


Figure 2. Rainfall map of Tobago showing measured rainfall totals for varying districts during period 16th to 30th of April 2024.

Temperatures:

Temperatures were warm to hot during the period 16th – 30th of April with the minimum nighttime temperature ranging from 23.0 °C (29th April) to 25.4 °C (5th April). Hot days (over 34.0 °C) occurred on 18th, 20th, 23rd, 24th, 27th and 29th with the maximum daytime temperature 34.7 °C (29th April) in Trinidad.

Similarly, temperatures in Tobago were warm to hot during the period 16th – 30th of April with the minimum nighttime temperature ranging from 24.5 °C (16th April) to above 27.0 °C (17th – 19th April) and the maximum daytime temperature rising to 33.0 °C (20th April).

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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 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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