














































Weather Bulletin for Farmers and Livestock Producers of Trinidad and Tobago for the 15-day period (16th to the 30th) of June 2024.

Date	Weather			Temperature	Heat Real Feel	Day Moisture (Relative Humidity)	Wind
16 th	 70% chance of showers	10 - 25 mm of rainfall is possible	Variably cloudy with showers, thunderstorms	Warm  Max/Min Temperatures °C 32.0/26.0	Feels like 36-43°C	65-85%	 Gentle Southeasterly 10-15 km/h Gust 40 km/h
17 th	 70% chance of showers	10 - 25 mm of rainfall is possible	Variably cloudy with showers, thunderstorms	Warm  Max/Min Temperatures °C 32.0 /25.0	Feels like 36-43°C	65-85%	 Gentle Southeasterly 10-15 km/h Gust 40 km/h
18 th	 70% chance of showers	10 mm of rainfall is possible	Variably cloudy with showers, thunderstorms	Warm  Max/Min Temperatures °C 32.0 /24.0	Feels like 37-44°C	60-80%	 Moderate East-southeasterly 15-20 km/h Gust 40 km/h
19 th	 60% chance of showers	5 - 10 mm of rainfall is possible	Partly to variably cloudy with showers, thunderstorms	Very Warm  Max/Min Temperatures °C 32.0/24.0	Feels like 36-44°C	55-80%	 Moderate East-southeasterly 15-20 km/h Gust 40 km/h
20 th	 70% chance of showers	10 - 15 mm of rainfall is possible	Variably cloudy with showers, thunderstorms	Warm  Max/Min Temperatures °C 31.0/24.0	Feels like 36-43°C	65-85%	 Moderate East-southeasterly 15-20 km/h Gust 40 km/h
21 st	 40% chance of showers	Less than 3 mm of rainfall is possible	Partly cloudy with showers	Very Warm  Max/Min Temperatures °C 32.5/25.0	Feels like 38-44°C	60-75%	 Moderate Easterly 15-20 km/h Gust 27 km/h
22 nd	 60% chance of showers	5-10 mm of rainfall is possible	Partly cloudy with showers	Very Warm  Max/Min Temperatures °C 32.5/24.0	Feels like 38-44°C	60-75%	 Moderate Easterly 15-20 km/h Gust 27 km/h

Disclaimer

This information is provided with the understanding that the Trinidad and Tobago Meteorological Service makes no warranties, either expressed or implied, concerning the accuracy, completeness, reliability, or suitability of the forecast or outlook contained in this document. The information may be used freely by the public with appropriate acknowledgement of its source, but shall not be modified in content and then presented as original material.

Issue date: 2021-03- 21

23 rd	 60% chance of showers	5-10 mm of rainfall is possible	Partly to variably cloudy with showers	Warm  Max/Min Temperatures °C 31.5/24.0	Feels like 36-41°C	60-75%	 Moderate Easterly 15-20 km/h Gust 27 km/h
24 th	 60% chance of showers	10 -15 mm of rainfall is possible	Variably cloudy with showers, thunderstorms	Warm  Max/Min Temperatures °C 31.0 /24.0	Feels like 35-39°C	60-75%	 Gentle Southeasterly 10-15 km/h Gust 40 km/h
25 th	 60% chance of showers	5-10 mm of rainfall is possible	Variably cloudy with showers, thunderstorms	Warm  Max/Min Temperatures °C 31.0 /24.0	Feels like 38-43°C	70-85%	 Moderate Southeasterly 15-20 km/h Gust 40 km/h
26 th	 40% chance of showers	5-10 mm of rainfall is possible	Partly to variably cloudy with showers	Warm  Max/Min Temperatures °C 32.0/25.0	Feels like 37-42°C	60-75%	 Moderate East-southeasterly 15-20 km/h Gust 27 km/h
27 th	 40% chance of showers	Less than 3 mm of rainfall is possible	Partly cloudy with showers	Very Warm  Max/Min Temperatures °C 33.0/25.0	Feels like 38-46°C	55-75%	 Moderate Southeasterly 15-20 km/h Gust 27 km/h
28 th	 40% chance of showers	Less than 3 mm of rainfall is possible	Partly cloudy with showers	Very Warm  Max/Min Temperatures °C 33.0/25.0	Feels like 38-46°C	55-75%	 Moderate Easterly 15-20 km/h Gust 27 km/h
29 th	 60% chance of showers	5-10 mm of rainfall is possible	Variably cloudy with showers, thunderstorms	Warm  Max/Min Temperatures °C 31.5/24.0	Feels like 37-44°C	65-85%	 Moderate East-southeasterly 20 km/h Gust 40 km/h
30 th	 60% chance of showers	10 -15 mm of rainfall is possible	Variably cloudy with showers, thunderstorms	Warm  Max/Min Temperatures °C 31.5/24.0	Feels like 39-44°C	70-85%	 Moderate East-southeasterly 20 km/h Gust 40 km/h

Disclaimer

This information is provided with the understanding that the Trinidad and Tobago Meteorological Service makes no warranties, either expressed or implied, concerning the accuracy, completeness, reliability, or suitability of the forecast or outlook contained in this document. The information may be used freely by the public with appropriate acknowledgement of its source, but shall not be modified in content and then presented as original material.

Issue date: 2021-03- 21

Trinidad Rainfall Forecast for the 15-Day period of June (16th – 30th) 2024.

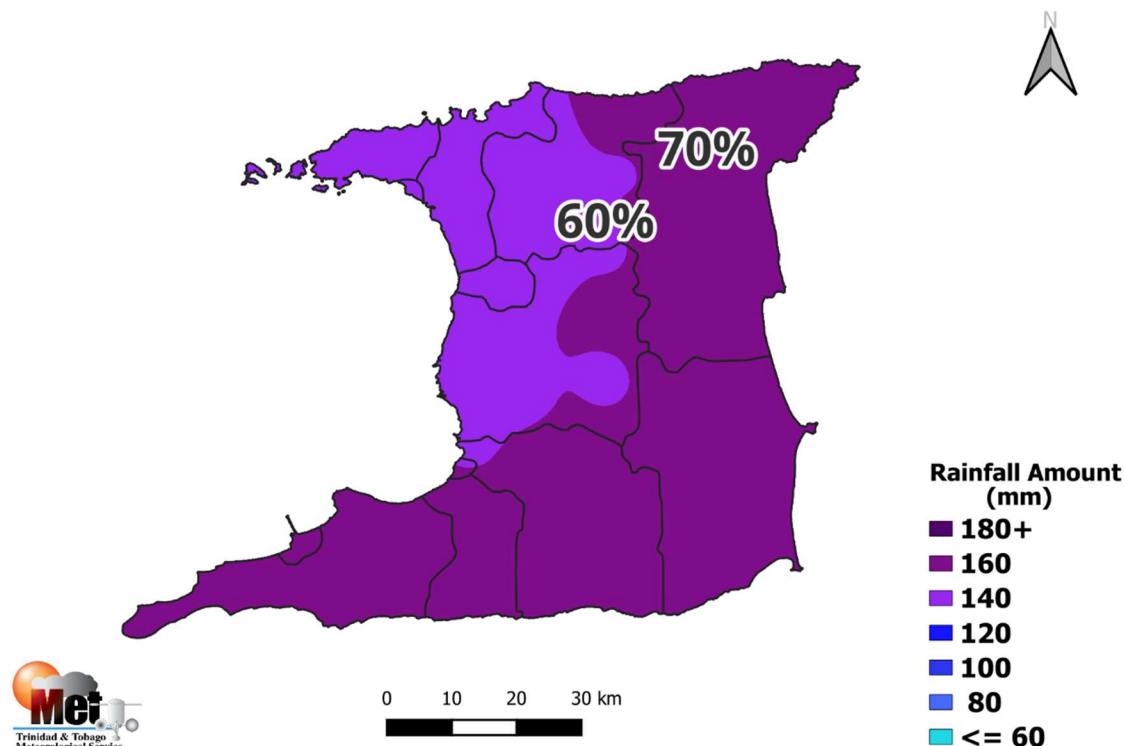


Figure 1. Rainfall map of Trinidad showing expected mean rainfall totals for districts across Trinidad during the 15-day period (16th – 30th) June 2024 and percentage probability of occurrence.

Eastern, and North-Eastern areas:

Moderate chance (70%) of mean daily rainfall up to 16.0 mm.

South-Eastern areas:

Moderate chance (70%) of mean daily rainfall up to 16.0 mm.

Southern areas

Moderate chance (70%) of mean daily rainfall up to 16.0 mm.

South-Western areas

Moderate chance (70%) of mean daily rainfall up to 16.0 mm.

Central, West-Central, and inland areas

Moderate chance (65%) of mean daily rainfall up to 13.0 mm.

Northern, North-Western areas

Moderate chance (65%) of mean daily rainfall up to 13.0 mm.

Disclaimer

This information is provided with the understanding that the Trinidad and Tobago Meteorological Service makes no warranties, either expressed or implied, concerning the accuracy, completeness, reliability, or suitability of the forecast or outlook contained in this document. The information may be used freely by the public with appropriate acknowledgement of its source, but shall not be modified in content and then presented as original material.

Issue date: 2021-03- 21

Tobago Rainfall Forecast for the 15-Day period of June (16th – 30th) 2024.

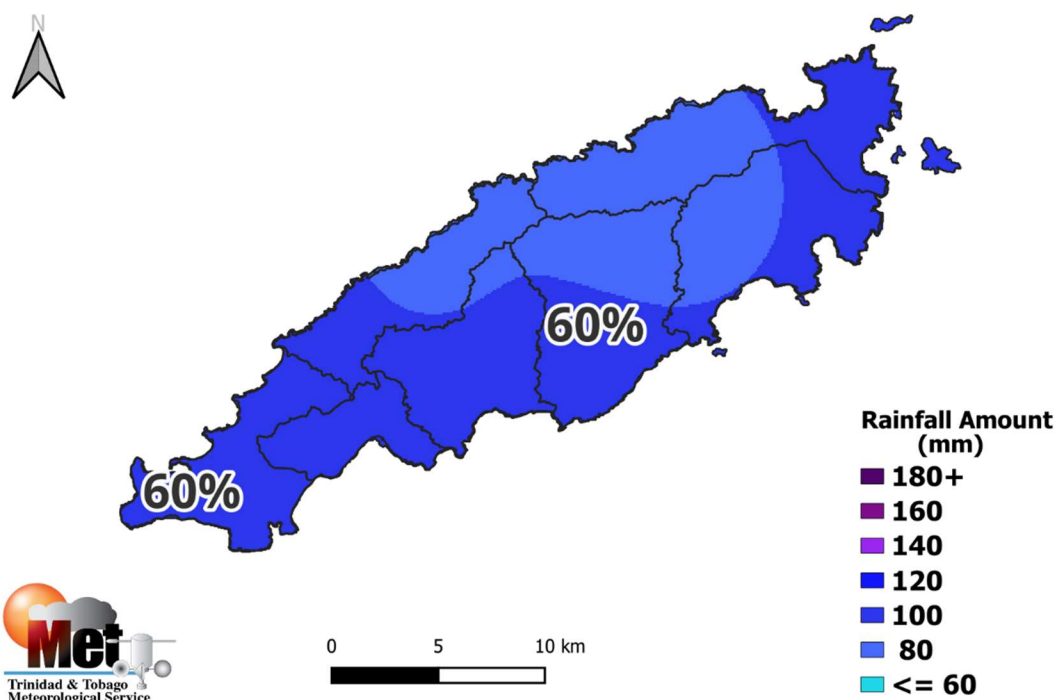


Figure 2. Rainfall map of Tobago showing expected mean rainfall totals for districts across Tobago during the 15-day period (16th – 30th) June 2024 and percentage probability of occurrence.

North-Eastern areas

Moderate chance (60%) of mean daily rainfall up to 8.4 mm.

South-Western areas

Moderate chance (60%) of mean daily rainfall up to 7.9 mm.

Sun and Moon Positions in the Sky June (16th – 30th) 2024.

The sun is presently at 23.4 degrees North latitude and with this position, the day-length or number of sunlight hours in Trinidad and Tobago on June 16th will increase slightly from 12 hours, 44 minutes, 46 seconds to 12 hours, 44 minutes, 53 seconds on June 20th (Solstice: longest day of the year) then decrease to 12 hours, 44 minutes, 16 seconds by June 30th.

According to the tradition of moon's phases (Full Moon, June 21st and Third Quarter, June 28th): June 16th – 18th are good days for planting aboveground crops; 21st – 22nd and 30th are good days for sowing belowground crops; June 19th – 20th and June 23rd – 25th are poor planting days and should be used for removing weeds, clearing land and ploughing fields; June 26th – 27th are good days for planting aboveground crops during the waning crescent moon before Third Quarter on June 28th.

Disclaimer

This information is provided with the understanding that the Trinidad and Tobago Meteorological Service makes no warranties, either expressed or implied, concerning the accuracy, completeness, reliability, or suitability of the forecast or outlook contained in this document. The information may be used freely by the public with appropriate acknowledgement of its source, but shall not be modified in content and then presented as original material.

Issue date: 2021-03- 21

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 June from 16th – 18th, 20th, 24th and 30th with relatively wet days also possible for the period: 19th, 22nd – 23rd, 25th – 26th and 29th with less than 10.0 mm of rainfall expected. The daily rainfall totals are forecast to range between 5.0 mm to 25.0 mm.

Trinidad and Tobago:

Wet days are expected for the second 15 days of June from 16th – 18th, 20th, 24th and 30th with relatively wet days also possible for the period: 19th, 22nd – 23rd, 25th – 26th and 29th with less than 10.0 mm of rainfall expected. The daily rainfall totals are forecast to range between 5.0 mm to 25.0 mm.

In Trinidad, the 15-day rainfall totals range between 60.0 mm and 160.0 mm across different farmlands favouring the southern, eastern and north-eastern areas of Trinidad: Sangre Grande, Fishing Pond; Plum Mitan, Nariva and Manzanilla and south-eastern areas of Mayaro, Guayaguayare, Moruga, Barrackpore and Penal. In Tobago, 15-day rainfall totals range between 60.0 mm and 92.0 mm favouring south-western and eastern Tobago.

Temperatures & Winds:

Very warm conditions are expected. Daily Maximum temperatures range between 31.0 °C to 33.0 °C throughout the period. However, temperatures are expected to have a real-feel or feels-like between 36.0 °C to 42.0 °C on most days. The minimum temperatures will range between 24.0 °C to 26.0 °C during most nights/early mornings.

In general, mostly moderate easterly to southeasterly winds with wind speed of 20-40 km/h are expected. Moderate to heavy rainfall totals, mostly moderate wind speeds, very warm 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 to high with average daytime relative humidity values in the lower 60s to upper 80s, in terms of percentage.

Disclaimer

This information is provided with the understanding that the Trinidad and Tobago Meteorological Service makes no warranties, either expressed or implied, concerning the accuracy, completeness, reliability, or suitability of the forecast or outlook contained in this document. The information may be used freely by the public with appropriate acknowledgement of its source, but shall not be modified in content and then presented as original material.

Issue date: 2021-03- 21

Highlighted Possible Impacts on Agriculture:

Wet conditions are expected for the second half of June. Partly to variably cloudy and at times breezy with very warm, humid conditions interrupted by cloudy spells as showery outbreaks become heavy/thundery at times. The anticipated rainfall, moist and warm conditions are expected to improve soil moisture across Trinidad and Tobago and would be sufficient for greening of grazing pastures especially during the wettest period. However, scheduling of irrigation days on fields to maintain optimal soil moisture would remain necessary on some 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 and heavy showers 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 June 1st – 15th 2024.

Following the extremely-low rainfall amounts during the second half of May, rainfall rebounded during the first half of June across Trinidad and Tobago. Showery spells resulted in near normal cumulative rainfall amounts at Piarco 122.7 mm and Crown Point 82.6 mm, despite warm, hazy and at times breezy conditions. The rainfall totals maps for the period 1st – 15th of June for Trinidad and Tobago are located below as figure 1 and figure 2.

Rainfall Totals for Trinidad
for the Period June 1st to 15th, 2024

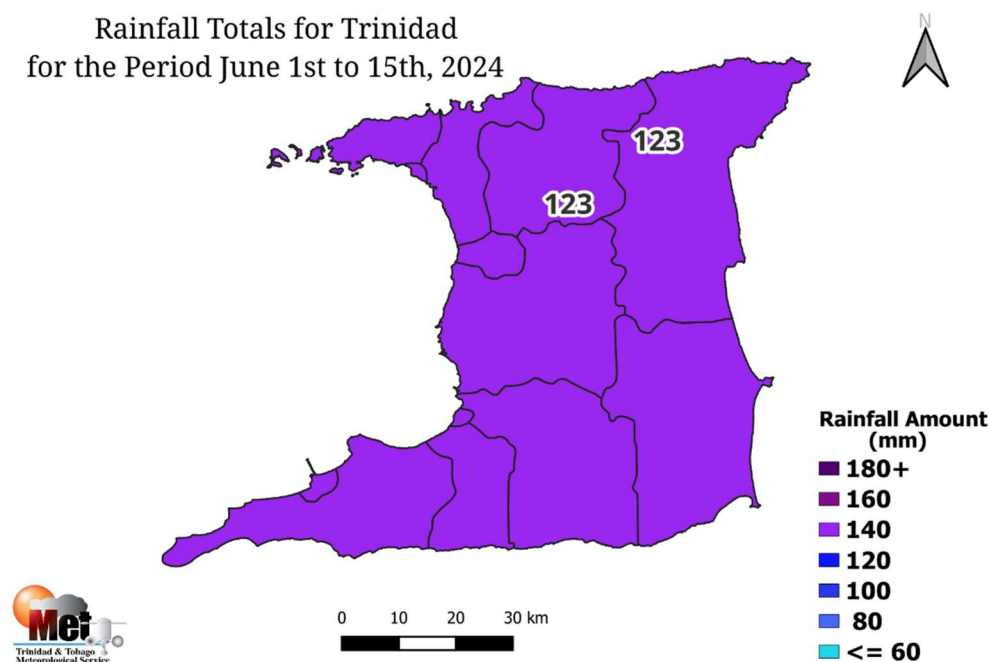


Figure 1. Rainfall map of Trinidad showing measured rainfall totals for varying districts during the period 1st to 15th of June 2024.

Disclaimer

This information is provided with the understanding that the Trinidad and Tobago Meteorological Service makes no warranties, either expressed or implied, concerning the accuracy, completeness, reliability, or suitability of the forecast or outlook contained in this document. The information may be used freely by the public with appropriate acknowledgement of its source, but shall not be modified in content and then presented as original material.

Issue date: 2021-03- 21

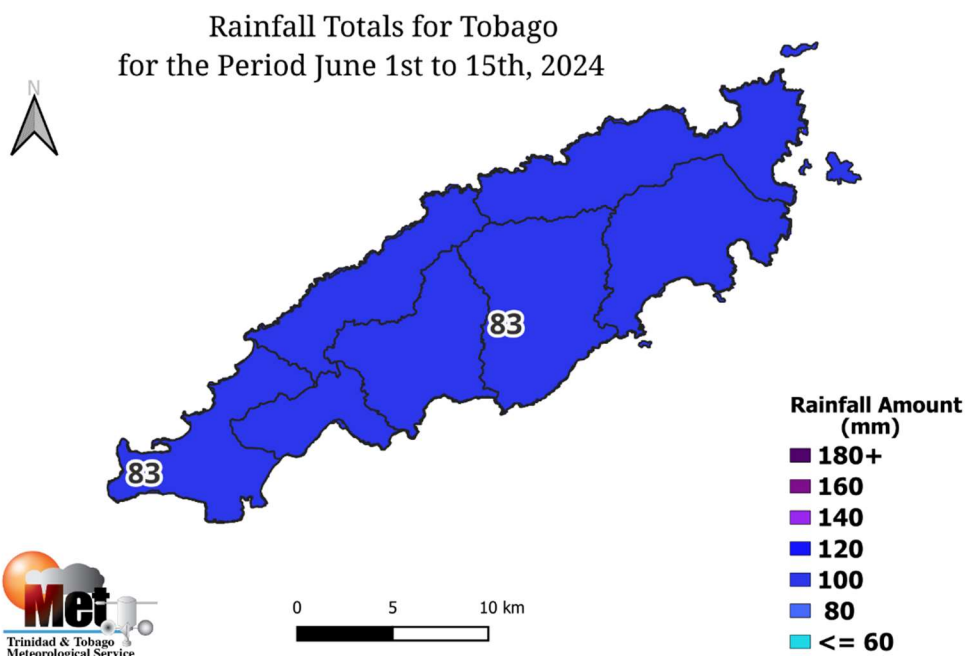


Figure 2. Rainfall map of Tobago showing measured rainfall totals for varying districts during the period 1st to 15th of June 2024.

Temperatures:

Very warm, humid conditions dominated the first half of June. In Trinidad, the maximum daytime temperature rose to 33.5 °C during 1st – 15th June. No hot days (maximum temperatures over 34.0 °C) occurred however temperatures felt hotter when relative humidity was combined with the air temperature. The minimum night-time temperatures ranged from 24.4 °C to 26.0 °C in Trinidad.

Similarly, Tobago has experienced very warm conditions during 1st – 15th of June as the maximum daytime temperature was 32.5 °C and the minimum night-time temperature ranged from 24.6 °C to 26.9 °C.

Disclaimer

This information is provided with the understanding that the Trinidad and Tobago Meteorological Service makes no warranties, either expressed or implied, concerning the accuracy, completeness, reliability, or suitability of the forecast or outlook contained in this document. The information may be used freely by the public with appropriate acknowledgement of its source, but shall not be modified in content and then presented as original material.

Issue date: 2021-03- 21

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

Disclaimer

This information is provided with the understanding that the Trinidad and Tobago Meteorological Service makes no warranties, either expressed or implied, concerning the accuracy, completeness, reliability, or suitability of the forecast or outlook contained in this document. The information may be used freely by the public with appropriate acknowledgement of its source, but shall not be modified in content and then presented as original material.

Issue date: 2021-03- 21