

**Agro-meteorological Bulletin and Assessment for Farmers and Livestock Producers of
Trinidad and Tobago for the 15-Day Period (16th - 30th) of June, 2025**

Date: 16 June 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 |

Available at TTMS

Summary of Expected conditions:

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Near to above normal rainfall is expected 16th to 30th June. Several wet days 17th - 24th and 27th to 30th June across farmlands are likely to cause street/flash flooding on fields and access roads, overspill of ponds especially over the Caroni and Naparima Plains due to saturated soils. For the remainder of the period, relatively wet days and generally warm conditions are expected to lower the risk of heat stress (low/moderate chance), however increase the risk of pests and disease (moderate chance) during the fifteen days.

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

During the period 1st to 15th, very heavy rainfall resulted in flooded farmlands and access roads and the overtopping of tributaries and major rivers of Caroni and South Oropouche. Five wet days and one excessively wet day (Greater than 50 mm) on the 11th contributed to the 15-day rainfall total of 277.9 mm at Piarco. In Tobago, five wet days and one excessively wet day on the 9th contributed to the 15-day rainfall total of 155.7 mm at Crown Point.

The rainfall totals maps for the period 1st to 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 -15th, 2025

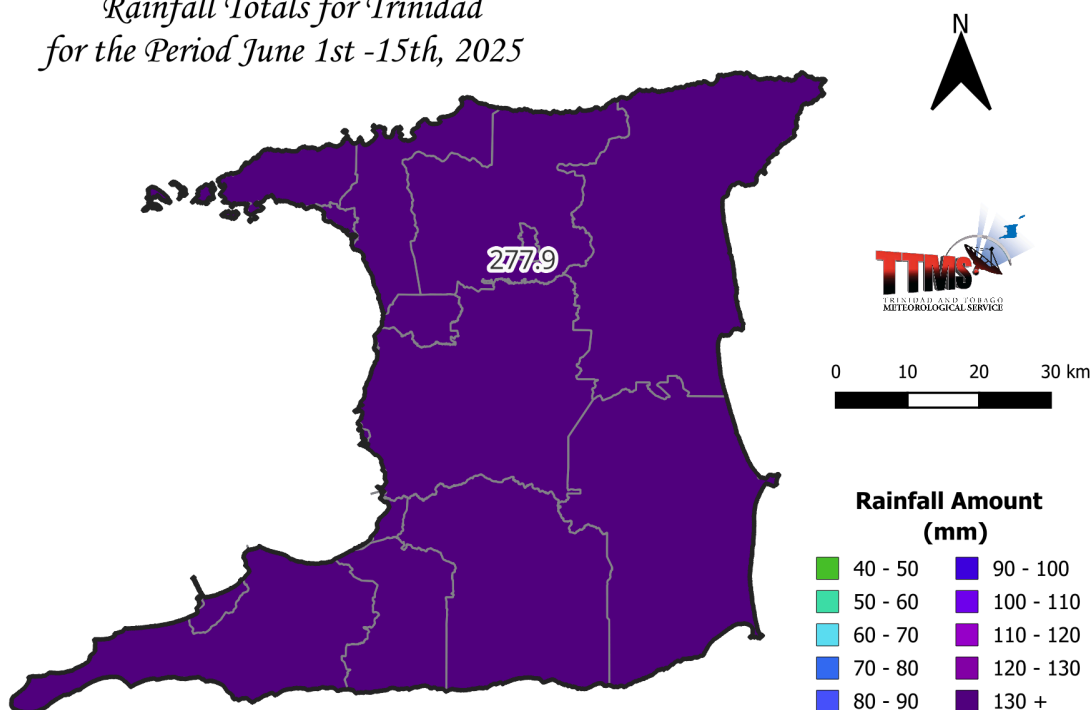


Figure 1. Rainfall map of Trinidad showing measured rainfall totals for varying districts during the period 1st to 15th of June.

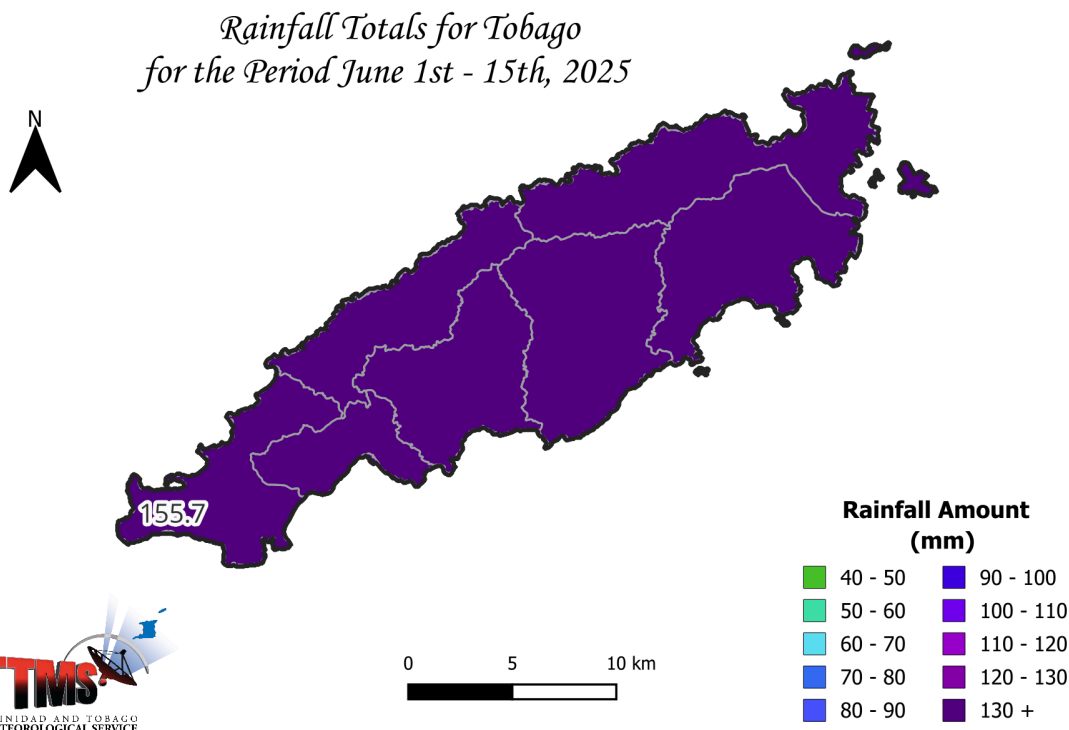

















Figure 2. Rainfall map of Tobago showing measured rainfall totals for varying districts during the period 1st to 15th of June.

Temperatures:

Warmer than normal nights dominated the period, accelerating crop development but also maintaining the moderate risk of pests and disease, especially in wind-sheltered areas. Daytime temperatures remained near normal. Piarco observed no hot days (maximum temperature over 34.0 °C) with a maximum daytime temperature 32.2 °C (9th) however, the night-time minimum temperatures ranged from 23.4 °C to 25.4 °C at Piarco. Similarly, Tobago experienced warm night-time conditions but no hot days (maximum temperatures above 33.0 °C at Crown Point). The maximum daytime temperature was 31.4 °C (3rd) and the minimum night-time temperatures ranged from 24.0 °C to 26.4 °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 'Real Feel' | Day Moisture (Relative Humidity) | Wind |
|------|---|---------------------------------|---|---|-------------------------|----------------------------------|---|
| 16 |  30% chance of rainfall | 1-5 mm of rainfall is possible | Hazy, breezy, partly cloudy, few showers |  Warm Max/Min Temperatures 32°C/25°C | Feels like 35°C-37°C | 60-75% |  East-northeast 20-39 km/h Gust 50 km/h |
| 17 |  40% chance of rainfall | 5-15 mm of rainfall is possible | Hazy, partly to mostly cloudy, breezy, scattered showers |  Warm Max/Min Temperatures 32°C/25°C | Feels like 34°C-37°C | 60-82% |  East-northeast 20-39 km/h Gust 50 km/h |
| 18 |  80% chance of rainfall | 5-15 mm of rainfall is possible | Partly to mostly cloudy, breezy, isolated heavy shower/thunderstorm |  Warm Max/Min Temperatures 31°C/24°C | Feels like 35°C-36°C | 65-82% |  East-southeast 20-39 km/h Gust 50 km/h |
| 19 |  80% chance of rainfall | 5-20 mm of rainfall is possible | Mostly cloudy, isolated heavy shower/thunderstorm |  Warm Max/Min Temperatures 31°C/23°C | Feels like 34°C-36°C | 65-82% |  East 20-30 km/h Gust 50 km/h |
| 20 |  80% chance of rainfall | 5-20 mm of rainfall is possible | Mostly cloudy, isolated heavy shower/thunderstorm |  Warm Max/Min Temperatures 31°C/23°C | Feels like 34°C-36°C | 65-80% |  East-northeast 20-30 km/h Gust 50 km/h |

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Telephone: 1-868-669-4392 ext. 120/121 | Fax:
1-868-669-4727
Email: synop@metoffice.gov.tt Website: www.metoffice.gov.tt

F 750-04-05
Page 6 of 11
















| Date | Weather | | | Temperature | Heat 'Real Feel' | Day Moisture (Relative Humidity) | Wind |
|------|---|---------------------------------|---|---|----------------------|----------------------------------|---|
| 21 |  80% chance of rainfall | 5-20 mm of rainfall is possible | Partly to mostly cloudy, breezy, isolated heavy shower/thunderstorm |  Warm Max/Min Temperatures 31°C/24°C | Feels like 34°C-37°C | 67-80% |  East-southeast 20-39 km/h Gust 50 km/h |
| 22 |  80% chance of rainfall | 5-15 mm of rainfall is possible | Partly to mostly cloudy, breezy, isolated heavy shower/thunderstorm |  Warm Max/Min Temperatures 31°C/24°C | Feels like 36°C-40°C | 76-84% |  East-southeast 20-39 km/h Gust 50 km/h |
| 23 |  80% chance of rainfall | 5-15 mm of rainfall is possible | Partly to mostly cloudy, breezy, isolated heavy shower/thunderstorm |  Warm Max/Min Temperatures 31°C/24°C | Feels like 36°C-38°C | 71-87% |  East-southeast 20-30 km/h Gust 50 km/h |
| 24 |  60% chance of rainfall | 5-10 mm of rainfall is possible | Partly to mostly cloudy, breezy, scattered showers |  Warm Max/Min Temperatures 31°C/24°C | Feels like 35°C-36°C | 66-81% |  East-northeast 20-30 km/h Gust 50 km/h |
| 25 |  40% chance of rainfall | 3-8 mm of rainfall is possible | Partly to mostly cloudy, breezy, scattered showers |  Warm Max/Min Temperatures 32°C/24°C | Feels like 35°C-37°C | 59-78% |  East-northeast 20-39 km/h Gust 50 km/h |

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Page 7 of 11

| Date | Weather | | | Temperature | Heat 'Real Feel' | Day Moisture (Relative Humidity) | Wind |
|------|---|---------------------------------|---|---|-------------------------|----------------------------------|---|
| 26 |  40% chance of rainfall | 3-8 mm of rainfall is possible | Partly to mostly cloudy, breezy, scattered showers |  Warm Max/Min Temperatures 32°C/24°C | Feels like 35°C-36°C | 57-76% |  East-northeast 20-39 km/h Gust 50 km/h |
| 27 |  40% chance of rainfall | 3-10 mm of rainfall is possible | Partly to mostly cloudy, breezy, isolated heavy shower/thunderstorm |  Warm Max/Min Temperatures 32°C/24°C | Feels like 35°C-39°C | 65-81% |  East-northeast 20-39 km/h Gust 50 km/h |
| 28 |  60% chance of rainfall | 5-15 mm of rainfall is possible | Partly to mostly cloudy, breezy, isolated heavy shower/thunderstorm |  Warm Max/Min Temperatures 32°C/24°C | Feels like 35°C-40°C | 69-80% |  East 20-39 km/h Gust 50 km/h |
| 29 |  70% chance of rainfall | 5-15 mm of rainfall is possible | Partly to mostly cloudy, breezy, scattered showers |  Warm Max/Min Temperatures 32°C/24°C | Feels like 35°C-38°C | 63-76% |  East 20-30 km/h Gust 50 km/h |
| 30 |  70% chance of rainfall | 5-10 mm of rainfall is possible | Partly to mostly cloudy, breezy, scattered showers |  Warm Max/Min Temperatures 32°C/24°C | Feels like 35°C-40°C | 70-83% |  East 20-30 km/h Gust 50 km/h |

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Trinidad Rainfall Forecast for the 15-Day period of June (16th to 30th) 2025.

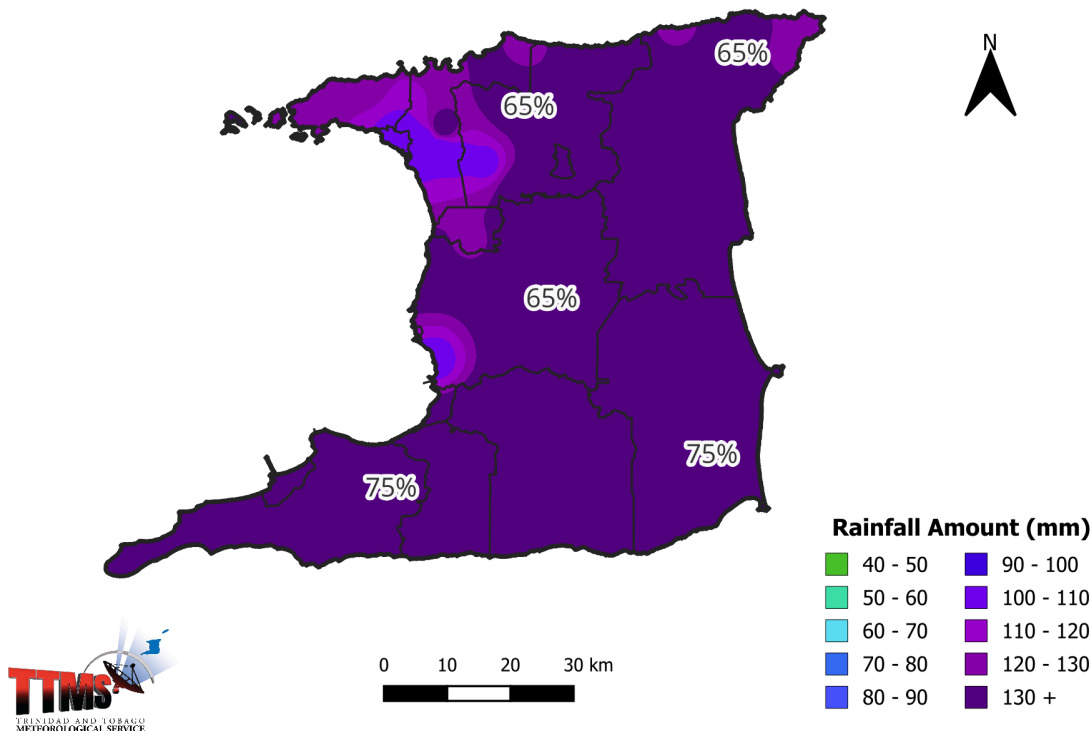


Figure 1. Rainfall map of Trinidad showing expected mean rainfall totals for districts across Trinidad during the 15-day period (16th to 30th) June 2025 and percentage probability of occurrence.

Eastern and North-Eastern areas: Moderate chance (65%) of mean daily rainfall up to 11.1 mm.

South-Eastern areas: High chance (75%) of mean daily rainfall up to 13.4 mm.

Southern areas: High chance (75%) of mean daily rainfall up to 13.0 mm.

South-Western areas: High chance (75%) of mean daily rainfall up to 13.0 mm.

Central, West-Central, and inland areas: Moderate chance (65%) of mean daily rainfall up to 9.0 mm.

Northern, North-Western areas: Moderate chance (65%) of mean daily rainfall up to 7.8 mm.

Tobago Rainfall Forecast for the 15-Day period of June (16th to 30th) 2025.

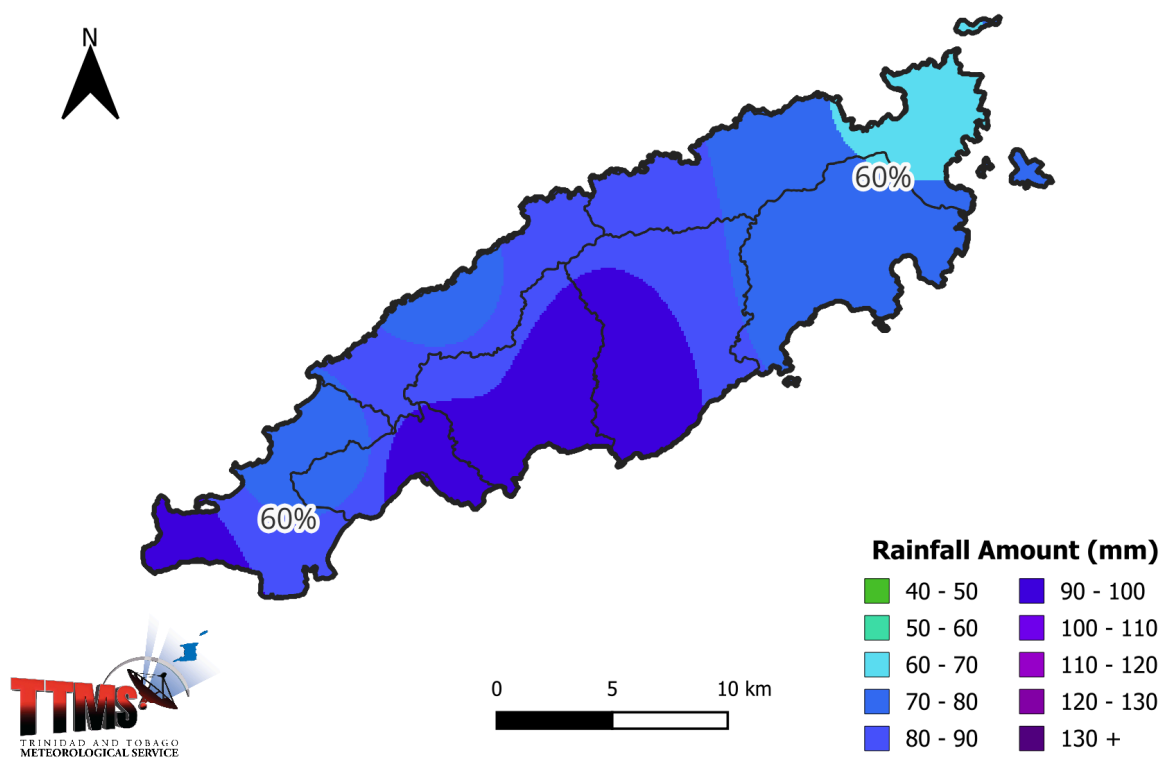


Figure 2. Rainfall map of Tobago showing expected mean rainfall totals for districts across Tobago during the 15-day period (16th to 30th) June 2025 and percentage probability of occurrence.

North-Eastern areas: Moderate chance (60%) of mean daily rainfall up to 4.7 mm.

South-Western areas: Moderate chance (60%) of mean daily rainfall up to 5.7 mm.

Trinidad and Tobago:

For the 15-days, partly to mostly cloudy conditions will be interrupted by showers (80% chance) with periods of light to moderate rain, alongside a moderate chance (60%) of heavy showers and thunderstorms with gusty winds favoring areas of eastern Trinidad and the majority of Tobago. Above normal rainfall is expected during the first week 16th-22nd then near normal in the second week 23rd-30th. The 15-day period forecast rainfall totals in Trinidad are expected to range between 100 mm over northwestern areas to 200 mm over southeastern and northeastern Trinidad. In Tobago, 15-day forecast rainfall is expected to range between 65 mm and 100 mm favoring farmlands on southern lowland areas and southern coastal plains. The passage of tropical waves will encourage equatorial moisture of the ITCZ over Trinidad and Tobago, so there is a moderate to high (70%) chance of moderately wet to very wet conditions across most farmlands for the remainder of June.

Temperatures & Winds:

There's a moderate (40%) chance of warmer than average temperatures particularly at night during the 15-days. Combined with near normal daytime temperatures and above normal nighttime temperatures, there's a low (20%) chance of a 2-day hot spell overall. Forecast daily maximum temperatures will range from 29-32 °C in Tobago and 30-32 °C in Trinidad. Temperatures are expected to feel as hot as 34-40°C when factoring humidity on the warmest days. Minimum temperatures of 23-25°C are expected during most nights/early mornings, though warmer near western areas and coastlines.

A breezier second period is expected with moderate to fresh east-northeasterly winds. Gusts of 50 km/h or higher are possible near heavy showers or isolated thunderstorms. Breezy spells combined with near-normal temperatures is expected to bring evapotranspiration rates in crops of 2.0 mm to 4.0 mm per day.

Moisture levels:

Moderate to occasionally high moisture levels are expected across Trinidad and Tobago over the fifteen-day period, with average daytime relative humidity values expected from the mid-60s to mid-80s, in terms of percentage.

Highlighted Possible Impacts on Agriculture:

During the period, moderately wet to very wet conditions are expected for most farmlands across the plains of Caroni and Naparima. Bouts of heavy rainfall over already saturated soils of central, eastern and southern areas of Trinidad will bring a moderate to high risk of overfilling ponds, as well as flash flooding and land slippage on fields and access roads.

A low to moderate (30%) chance of heat stress exists for farm workers, young livestock, newly germinated and transplanted seedlings onto fields. There is a moderate (60%) chance that strong gusts will 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.

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 June (16th to 30th) 2025.

The sun is presently overhead at latitude 23.3 degrees North of the Equator. The day-length or number of sunlight hours in Trinidad and Tobago on June 16th will be 12 hours, 44 minutes, 45 seconds decreasing to 12 hours, 44 minutes, 17 seconds on June 30th.

Moon Phases: Third Quarter, 18th; New Moon, 25th. According to the tradition of moon phases: June 16th - 17th, 20th - 21st and 24th are good days for planting below-ground crops; 16th - 17th and 25th - 26th are good days for planting above-ground crops; the remaining days are poor planting days and useful for removing weeds, clearing land and ploughing fields.