



Agro-Meteorological Forecast for the Second Dekad of December (11th -20th) 2017.

Definition Guide

| 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 |

Trinidad's Mean Daily Rainfall Forecast for the Second Dekad of December (11th-20th) 2017.

Northern & Northwestern areas:

Moderate chance (63%) of mean daily rainfall up to 3.5 mm.

North-Eastern and Eastern areas:

Moderate chance (69%) of mean daily rainfall up to 4.9 mm.

Central, West-Central and inland areas:

Moderate chance (65%) of mean daily rainfall up to 3.8 mm.

South-Eastern areas:

Moderate chance (69%) of mean daily rainfall up to 4.8 mm.

Southern areas:

Moderate chance (64%) of mean daily rainfall up to 3.6 mm.

South-Western areas:

Moderate chance (61%) of mean daily rainfall up to 2.7 mm.

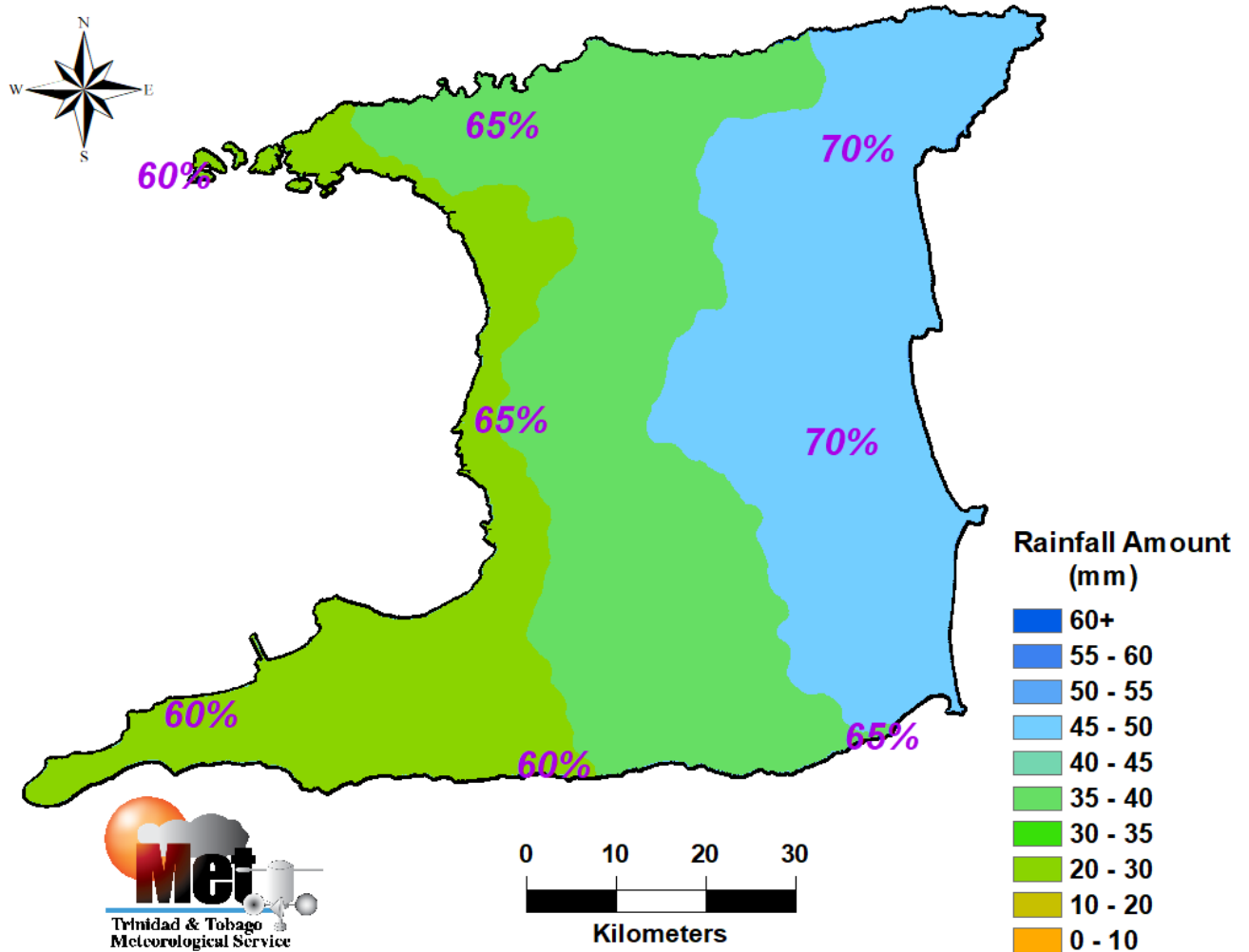


Figure 1. Rainfall Map of Trinidad showing possible rainfall totals for varying districts during Second dekad of December, 2017 and percentage probability of occurrence.

Tobago's Mean Daily Rainfall Forecast for the Second Dekad of December (11th-20th) 2017.

Northeastern areas:

Moderate chance (70%) of mean daily rainfall up to 5.0 mm.

South-Western areas:

Moderate chance (69%) of mean daily rainfall up to 4.7 mm.

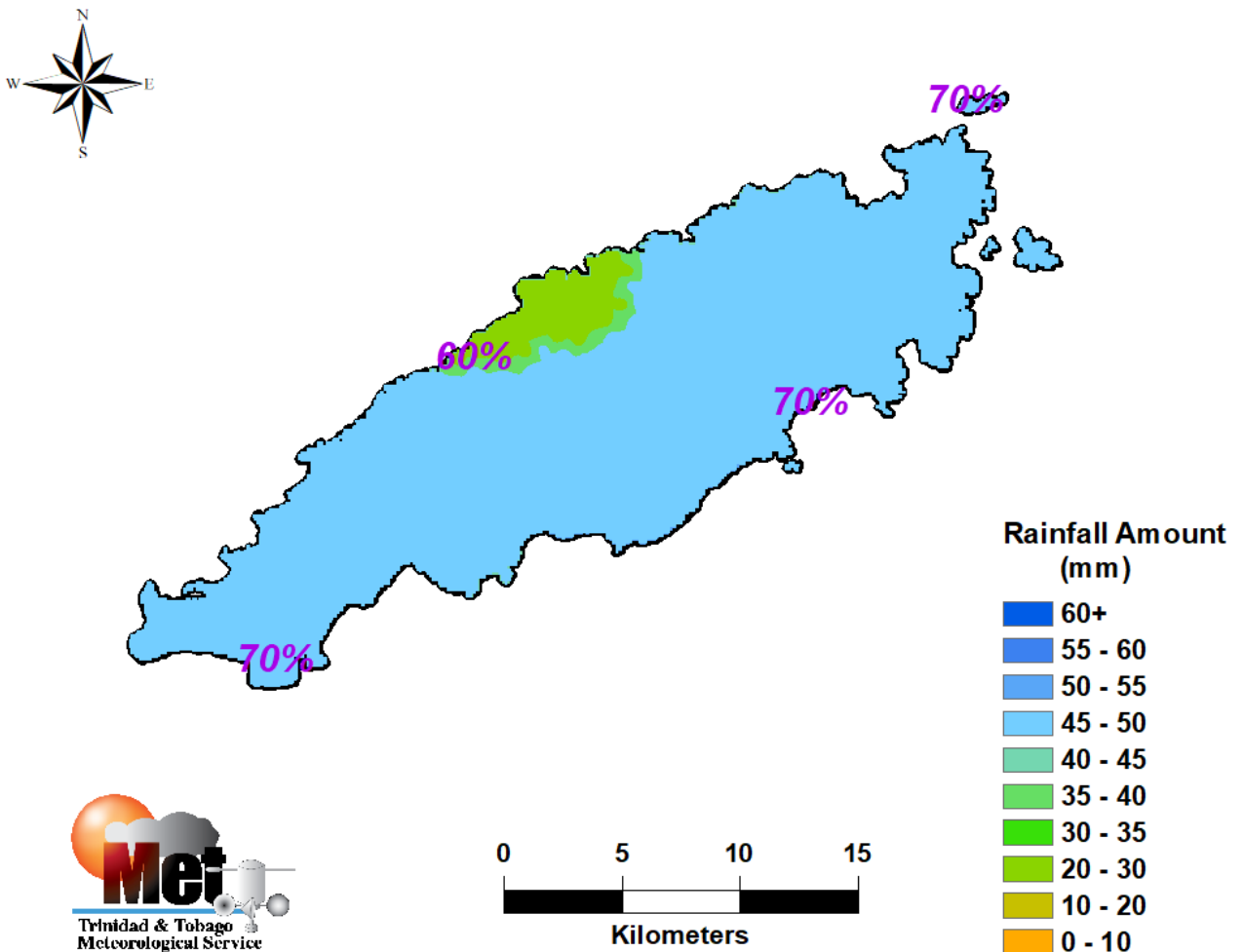


Figure 2. Rainfall Map of Tobago showing possible rainfall totals for varying districts during Second dekad of December, 2017 and percentage probability of occurrence.



Temperatures:

Trinidad's Temperature Forecast for the Second Dekad of December (11th-20th) 2017.

Moderate chance (70%) of daily maximum temperatures to exceed 31.6 °C, peaking near 32.6 °C.

Moderate chance (70%) of daily minimum temperatures to be below 22.4 °C, dropping as low as 20.0 °C.

Tobago's Temperature Forecast for the Second Dekad of December (11th -20th) 2017.

Moderate chance (70%) of daily maximum temperatures to exceed 30.1 °C, peaking near 31.9 °C.

Moderate chance (70%) of daily minimum temperatures to be below 23.9 °C, dropping as low as 22.5 °C.

Summary:

Expected Weather for Second Dekad (11th-20th) of December, 2017 and Likely Impact on Agriculture.

During days 11th, 13th, 14th, and 15th of dekad, there is a 68% chance that converging bands of moist air within the northeast trade winds, will generate mostly patchy cloudy skies with few brief light and/or occasionally moderate rainfall amounts. This will disperse to give sunny, breezy and/or hazy conditions at times. The maximum temperatures are expected to be near 32.6 °C in Trinidad and near 31.9 °C in Tobago. Generally clear nights will give low temperatures near 20.0 °C in Trinidad and near 22.5 °C in Tobago. There is a moderate chance of mist in patches will form and will disintegrated just after sunrise.

However, during days 12th, 16th, 17th, 18th, 19th and 20th of the dekad, there is a 65% chance of zonal convergence bands of moisture within a northeasterly to easterly wind flow. This will produce patchy cloudy skies with few cloudy periods at times and brisk light to moderate rainfall amounts. The forecast maximum temperatures during those days in Trinidad will be near 31.6 °C, while Tobago's forecast maximum temperatures will be near 30.1 °C. On the other hand, the forecast minimum temperatures during those days will be near 22.4 °C in Trinidad and near 23.9 °C in Tobago.

Over the ten-day period, Trinidad and Tobago's highest possible daily rainfall totals will range between 4.0 mm and 17.0 mm, with its ten-day totals ranging between 25.0 mm and 50.0 mm, as seen in figures 1 and 2.



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There is a low possibility of flash flooding on streets and flooding in low lying areas during those wet days. Also, there is a low probability of pest and diseases especially the spread of fungi on crops following those relatively wet days.