



**Agro-meteorological Bulletin and Assessment for Farmers and Livestock  
Producers of Trinidad and Tobago for the First Dekad (1<sup>st</sup> -10<sup>th</sup>) of March,  
2017.**

**Definitions used in the forecast and bulletin:**

<b>Term</b>	<b>Meaning</b>	
<b>Dekad</b>	10 day rainfall measuring period	
<b>Rain Day</b>	A day with 1.0 mm or more of rainfall amount	
<b>Wet Day</b>	A day with 10.0 mm or more of rainfall amount	
<b>Extremely Wet Day</b>	A day with 25.0 mm or more of rainfall amount	
<b>Normal Rainfall</b>	Between 75% and 125 % of the average	
<b>Below Normal Rainfall</b>	Rainfall below 75% of the average	
<b>Above Normal Rainfall</b>	Rainfall in excess of 125 % of the average	
<b>Much below Normal Rainfall</b>	Rainfall below 50% of the average	
<b>Much above Normal Rainfall</b>	Rainfall above 150% of the average	
<b>Scanty Rainfall</b>	Less than 1 mm	
<b>Moderate Rainfall</b>	1-10 mm	
<b>Heavy Rainfall</b>	10-50 mm	
<b>Very heavy Rainfall</b>	Greater than 50 mm	
<b>Probability of 1-30 %</b>	Low Chance	
<b>Probability of 30-70 %</b>	Moderate Chance	
<b>Probability greater than 70%</b>	High Chance	
<b>Term</b>	<b>Amount of Rain</b>	<b>Type of day</b>
<b>Scanty Rainfall</b>	Less than 1 mm	Relatively dry day
<b>Moderate Rainfall</b>	1-10 mm	Relatively wet day
<b>Heavy Rainfall</b>	10-50 mm	Wet day
<b>Very heavy Rainfall</b>	Greater than 50 mm	Excessively wet day

**Weather Assessment for the Last Dakad (21<sup>st</sup> -28<sup>th</sup>) of February, 2017.**

Mostly dry and breezy conditions dominated Trinidad and Tobago, however days 24<sup>th</sup>, 27<sup>th</sup>, 28<sup>th</sup> experienced intermittent cloudy periods over both islands. On days 24<sup>th</sup>, 27<sup>th</sup> and 28<sup>th</sup>, Trinidad experienced some light to moderate rainfall over most areas. The ten-day rainfall totals for Trinidad range between 2.5 mm to 23.9 mm. Tobago experienced light to moderate rainfall during days 27<sup>th</sup> and 28<sup>th</sup> of the dekad, where their ten-day rainfall totals ranging between 4.6 mm to 5.3 mm. Accompanying these conditions maximum temperatures in Trinidad got up to 33.3°C and minimum temperatures of 19.6°C. Whereas, Tobago's temperatures went up to a maximum of 30.8°C and minimum temperature of 22.1°C. Both islands had mostly clear and cool nights which assisted in producing lower temperatures.

**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.*



## **Expected Weather for First Dekad (1<sup>st</sup> - 10<sup>th</sup>) of March, 2017 and Likely Impact on Agriculture.**

Over the next two consecutive days, farmers in both Trinidad and Tobago should expect sporadic cloudy patches and possible few brief light showers, producing scanty rainfall amounts. The cloud patches will disperse to give breezy and sunny conditions with high temperatures of 33.4°C in Trinidad and 31.4°C in Tobago. Generally clear nights will give low temperatures of 20.2°C in Trinidad and 22.1°C in Tobago with the slight chance of possible early morning shallow patches of mist that will disintegrate just after dawn.

On days; 3<sup>rd</sup>, 4<sup>th</sup> and possible 5<sup>th</sup>, there is a 65% chance of a low level moist southeasterly wind flow establishing itself over both islands producing cloudy periods and mostly light occasionally moderate showers at times. On days 7<sup>th</sup> and 9<sup>th</sup> there is a 55% chance of a low level moist northeasterly wind flow will establish itself upon both islands and resulting in cloudy patches with possible few light showers. Both islands highest possible daily rainfall totals will range between 2.0 mm and 9.0 mm.

During days: 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> forecast temperatures in Trinidad will be near 32.2 °C while Tobago forecast maximum will near 30.1 °C with minimums of 22.0 °C in Trinidad and 23.0 °C in Tobago. The relatively wet and humid conditions during those days will lend itself to greening-up of pastures for livestock, improve water flow in streams, rivers and ponds. It will also support healthier looking crops and newly transplanted seedling may have a good chance at survival.

### **Trinidad Mean Daily Rainfall Forecast for First Dekad of March (1<sup>st</sup>-10<sup>th</sup>) 2017.**

#### **Northern & Northwestern areas:**

Moderate chance of (64%) of mean daily rainfall up to 1.5 mm.

#### **North-Eastern and Eastern areas:**

Moderate chance of (65%) of mean daily rainfall up to 1.9 mm.

#### **Central, West-Central and inland areas:**

Moderate chance of (61%) of mean daily rainfall up to 1.2 mm.

#### **South-Eastern areas:**

Moderate chance of (65%) of mean daily rainfall up to 1.9 mm.

#### **Disclaimer**

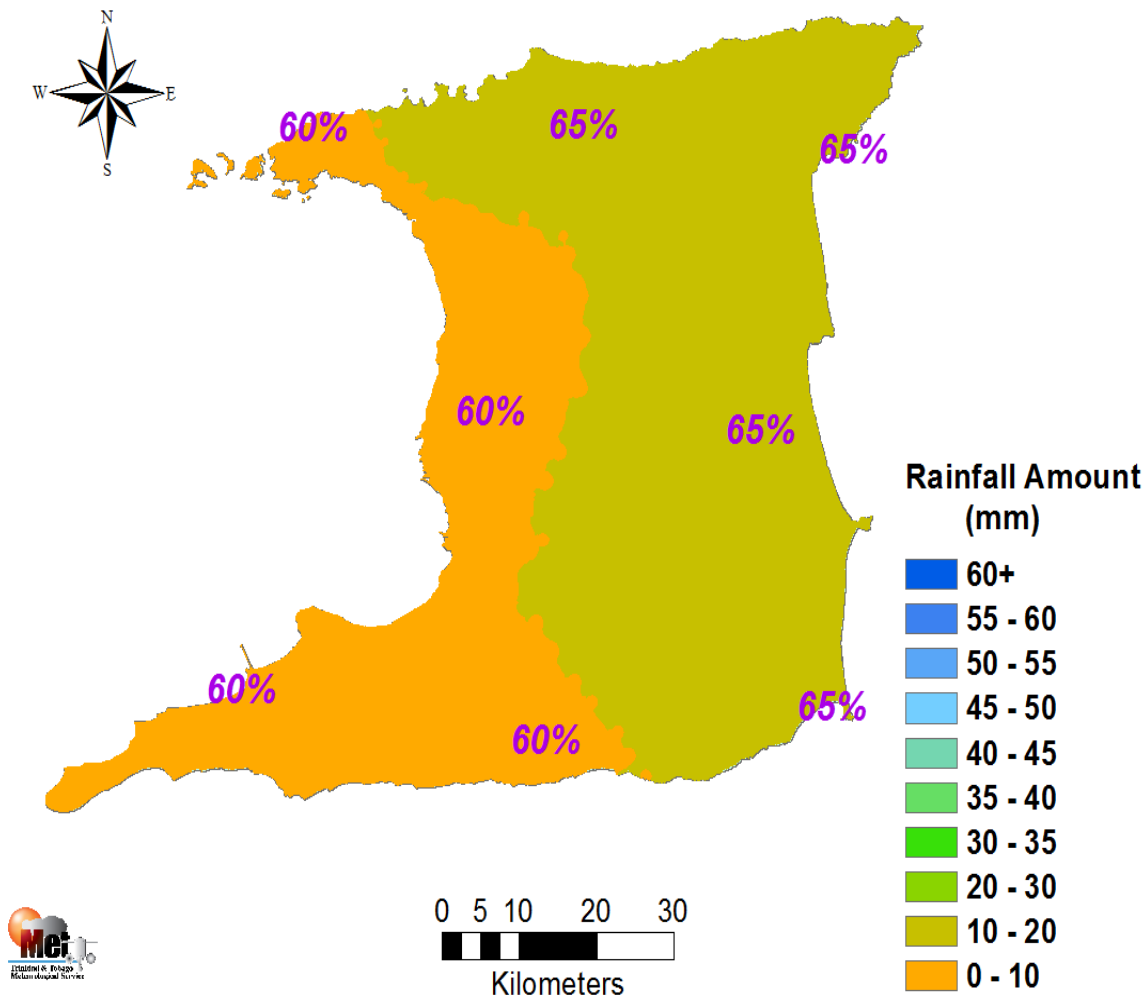
*This information is provided with the understanding that the Trinidad and Tobago Meteorological Service makes no warranties, either expressed or implied, concerning the accuracy, completeness, reliability, or suitability of the forecast or outlook contained in this document. The information may be used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

**Southern areas:**

Moderate chance of (62%) of mean daily rainfall up to 1.2 mm.

**South-Western areas:**

Moderate chance of (60%) of mean daily rainfall up to 0.9 mm.



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

**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.*

Tobago Mean Daily Rainfall Forecast for First Dekad of March (01<sup>st</sup> -10<sup>th</sup>) 2017.

**Northeastern areas:**

Moderate chance (65%) of mean daily rainfall up to 1.6 mm.

**South-Western areas:**

Moderate chance (60%) of mean daily rainfall up to 0.9 mm.

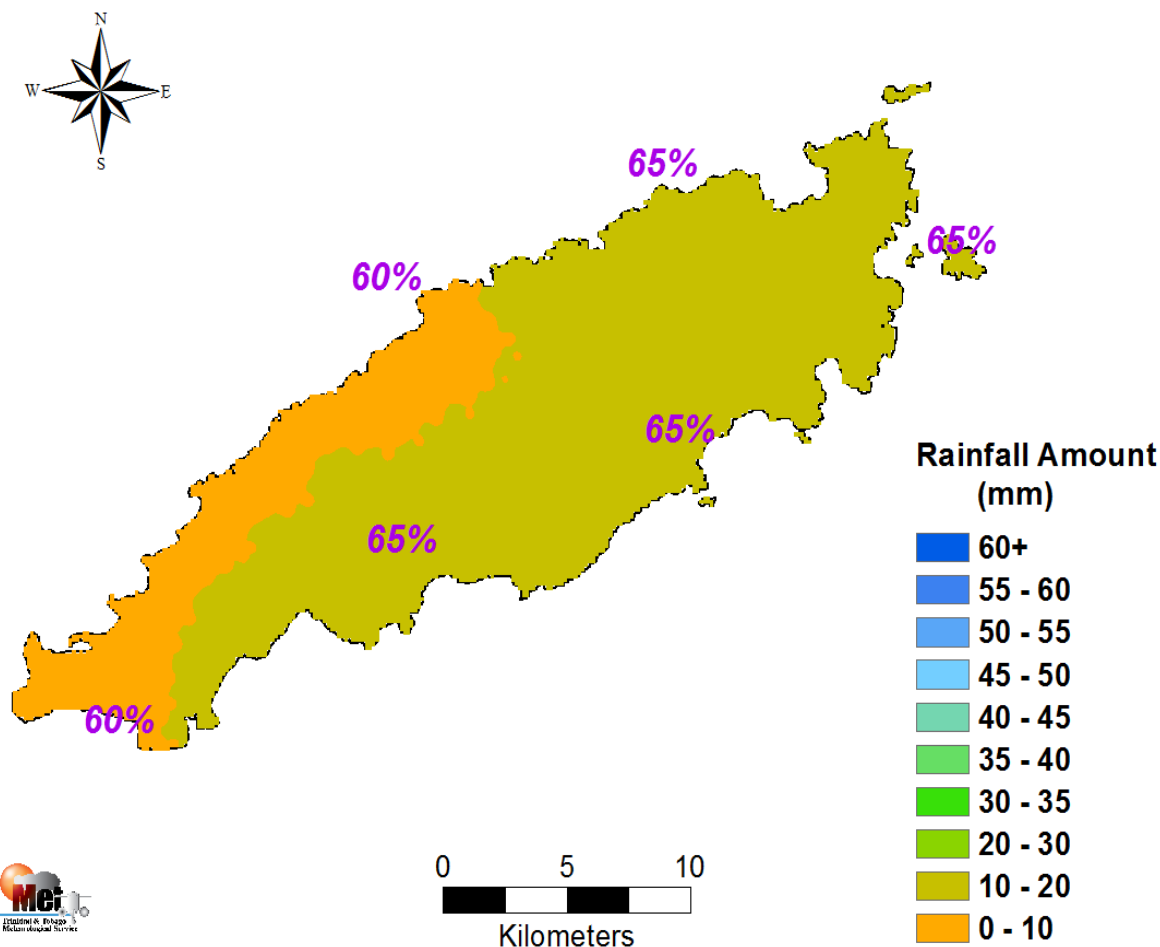


Figure 2. Rainfall Map of Tobago showing possible rainfall totals for varying districts during First dekad of March, 2017 and percentage probability of occurrence.

**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.*



## Temperatures:

### Trinidad Temperature Forecast for First Dekad of March (01<sup>st</sup> -10<sup>th</sup>) 2017.

Moderate chance (70%) of daily maximum temperatures to exceed 32.0 °C, peaking near 33.4 °C.

Moderate chance (70%) of daily minimum temperatures to be below 22.0 °C, dropping as low as 20.2 °C.

### Tobago Temperature Forecast for First Dekad of March (01<sup>st</sup> -10<sup>th</sup>) 2017.

Moderate chance (70%) of daily maximum temperatures to exceed 30.5 °C, peaking near 31.4°C.

Moderate chance (70%) of daily minimum temperatures to be below 23.6°C, dropping as low as 22.1°C.

## Summary:

The forecast for the First Dekad of March (1<sup>st</sup> -10<sup>th</sup>) 2017, favours initially mostly dry weather. However, days 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, 7<sup>th</sup> and 9<sup>th</sup> there is a moderate probability of weather favouring light to moderate rainfall with daily amounts ranging from 2.0 mm to 9.0 mm. There is a 63% chance that the possible ten-day rainfall totals be between 9.0 mm and 16.0 mm across Tobago and a 63% chance the possible ten-day rainfall totals be between 9.0 mm and 19.0 mm across Trinidad. Temperatures are set to peak near 33.4 °C in Trinidad and near 31.4°C in Tobago. Farmers are encouraged to practice mulching after wet days to retain the moisture gained for longer periods and improve irrigation practices for drier days.

### 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.*