



*Agro-Meteorological Forecast for the 02<sup>nd</sup> Dekad of September (11<sup>th</sup>-20<sup>th</sup>) 2017*

**Definition Guide**

<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

**Trinidad's Mean Daily Rainfall Forecast for the Second Dekad of September (11<sup>th</sup>-20<sup>th</sup>) 2017**

**Northern & Northwestern areas:**

Moderate chance (70%) of mean daily rainfall up to 7.5mm.

**North-Eastern and Eastern areas:**

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

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

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

**South-Eastern areas:**

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

**Southern areas:**

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

**South-Western areas:**

Moderate chance (70%) of mean daily rainfall up to 7.5mm

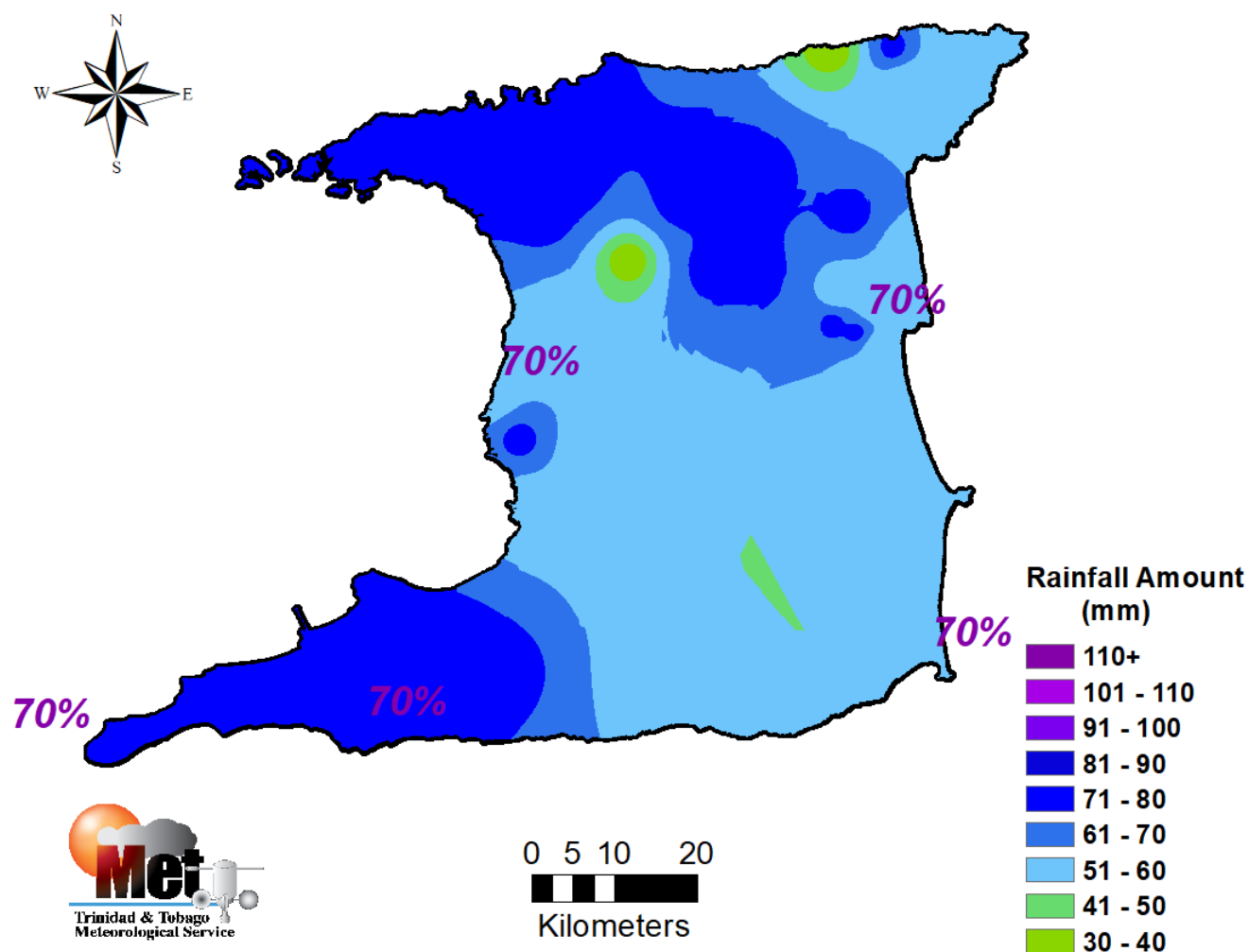


Figure 1. Rainfall Map of Trinidad showing possible rainfall totals for varying districts during the second dekad of September, 2017 and possible probability of occurrence.

### Tobago's Mean Daily Rainfall Forecast for the Second Dekad of September (11<sup>th</sup>-20<sup>th</sup>) 2017

#### Northeastern areas:

Moderate chance (70%) of mean daily rainfall up to 3.0mm.

#### South-Western areas:

Moderate chance (70%) of mean daily rainfall up to 3.0mm.

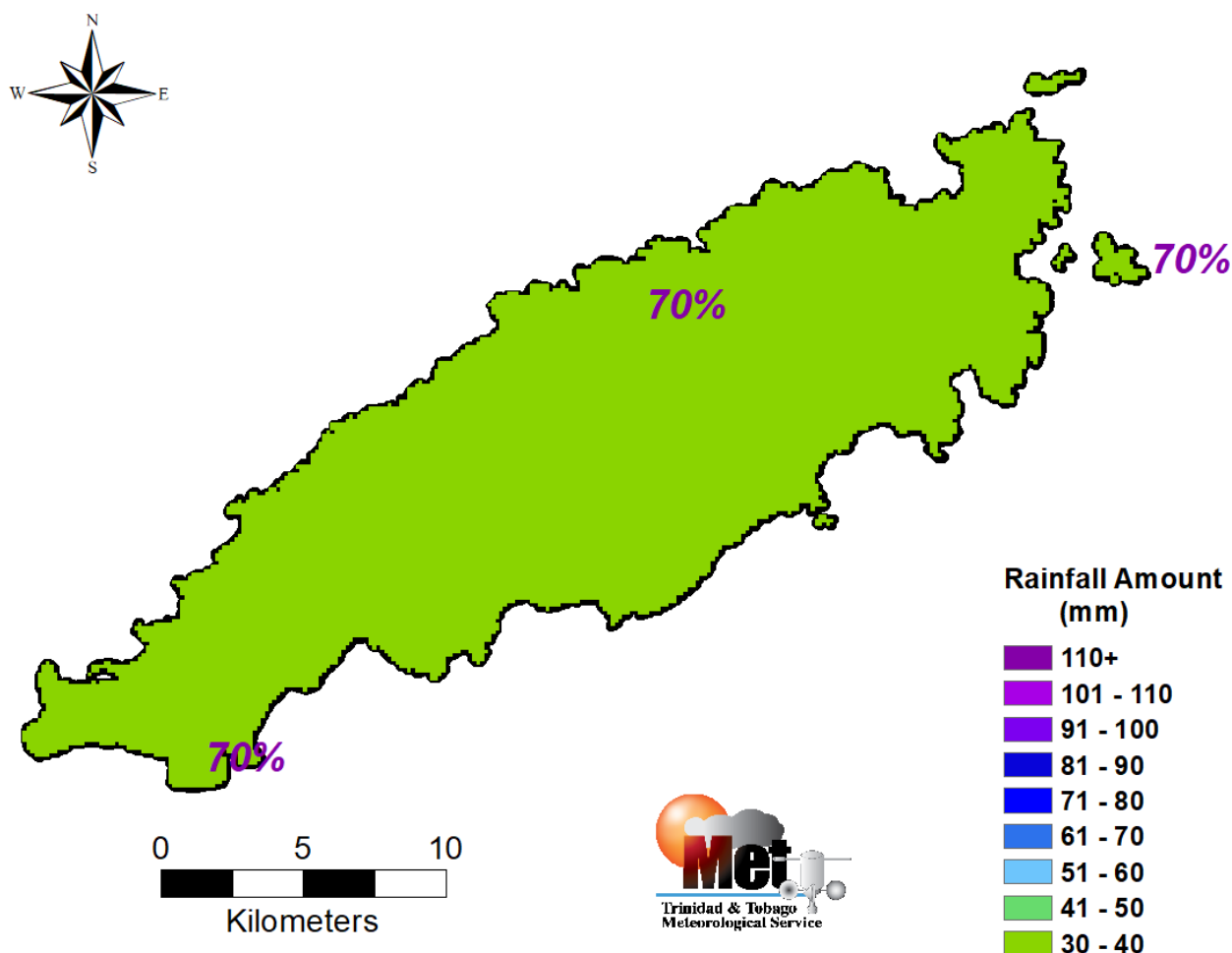


Figure 2. Rainfall Map of Tobago showing possible rainfall totals for varying districts during the second dekad of September, 2017 and possible probability of occurrence

## Temperatures

### **Trinidad's: Temperature Forecasts for the Second Dekad of September (11<sup>th</sup>-20<sup>th</sup>) 2017**

Moderate chance (70%) of daily maximum temperatures exceeding 33.0°C, peaking near 34.0°C.  
Moderate chance (70%) of daily minimum night temperatures remaining above 24.0°C.

### **Tobago's: Temperature Forecasts for the Second Dekad of September (11<sup>th</sup>-20<sup>th</sup>) 2017**

Moderate chance (70%) of daily maximum temperatures exceeding 31.0 °C, peaking near 32.5°C.  
Moderate chance (70%) of daily minimum night temperatures remaining above 25.0°C.



## Summary

The forecast for the second ten days of September 2017 calls for increased cloudy and rainy conditions with more wet days than dry days. Day-time temperatures are expected to peak between 33.0°C and 34.0°C on most days in Trinidad and between 31.0°C and 32.5°C in Tobago. Night-time temperatures are expected to remain warm and vary between 23.0°C and 26.0°C on both islands but on crop fields located in valleys and hilly areas slightly cooler night temperatures (between 22.0°C and 23.0°C) are likely. Wind speeds will remain light to moderate (up to 6 meters per second) but can get particularly strong (in excess of 10 meters per second) during moderate to heavy rainfall events.

Farmers should watch out for wet and humid conditions during the dekad which can favour development of bacterial, fungal and viral crop diseases. Soggy fields would reduce soil oxygen, increase the loss of nitrogen and other important nutrients, which can negatively affect fruit quality and crop yields. Flooding potential in low lying crop fields is high and may affect harvesting of mature crops.

## Preliminary Rainfall and Temperature Outlook for Second Ten Days of September

The outlook indicates a wet start to the third ten days of September is most likely with the first half of the dekad likely to be rainy days with the potential for flooding being high.