

Agro-meteorological Bulletin and Assessment for Farmers and Livestock Producers of Trinidad and Tobago for the Second Dekad (11th -20th) of April, 2017.

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

Weather Assessment for the First Dakad (1st -10th) of April, 2017.

Mostly hot and dry conditions dominated Trinidad and Tobago over the dekad, where both islands experienced patchy cloudiness at times with some light rainfall over few areas. On days 3rd, 4th, 5th and 7th, Trinidad and Tobago experienced some light to moderate rainfall over most areas with ten-day rainfall totals ranging between 0.8 mm to 5.0 mm. Accompanying these conditions maximum temperatures in Trinidad got up to 33.9 °C and minimum temperatures of 21.8°C. Whereas, Tobago's temperature went up to a maximum of 32.0 °C and minimum temperature of 23.4 °C.

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

During days excluding 14th to the 18th, farmers in both Trinidad and Tobago should expect early morning sporadic cloudy patches, with a 60% chance of a brief light shower, producing scanty to moderate rainfall amounts. The cloud patches will disperse to give breezy and sunny conditions with high temperatures of 34.2°C in Trinidad and 32.3 °C in Tobago. Few clear nights will give low temperatures of 22.1°C in Trinidad and 23.4 °C in Tobago. On mornings following clear and cool nights, expect patches of low lying mist mostly in rural areas that will disintegrate just after dawn.

Specifically, during days 14th to 18th, there is a 65% chance of a low level moist southeasterly wind flow establishing itself over both islands producing patchy cloudy periods and light occasionally moderate showers at times. Over the ten-day period, both islands highest possible daily rainfall totals will range between 1.5 mm and 8.0 mm. The forecast maximum temperatures in Trinidad will be near 33.5 °C while Tobago forecast maximum will near 31.3 °C with forecast minimums of 23.0 °C in Trinidad and 23.9 °C in Tobago. The fairly wet and humid conditions during those days may lend itself to greening-up of pastures for livestock and reducing chances of bush fires in few areas.

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

Northern & Northwestern areas:

Moderate chance of (62%) of mean daily rainfall up to 1.3 mm.

North-Eastern and Eastern areas:

Moderate chance of (65%) of mean daily rainfall up to 2.1 mm.

Central, West-Central and inland areas:

Moderate chance of (62%) of mean daily rainfall up to 1.4 mm.

South-Eastern areas:

Moderate chance of (65%) of mean daily rainfall up to 2.1 mm.

Southern areas:

Moderate chance of (62%) of mean daily rainfall up to 1.5 mm.

South-Western areas:

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

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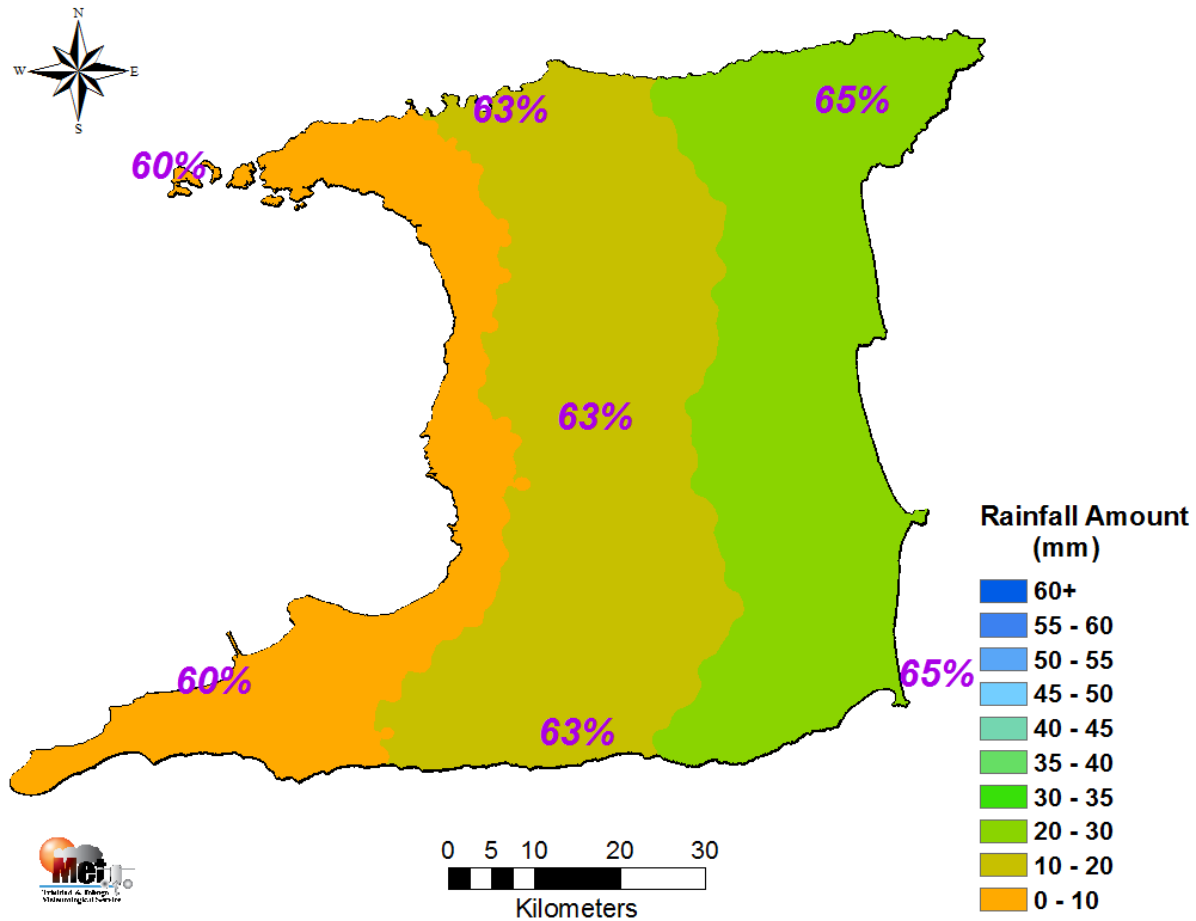


Figure 1. Rainfall Map of Trinidad showing possible rainfall totals for varying districts during Second dekad of April, 2017 and percentage probability of occurrence.

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

Northeastern areas:

Moderate chance (65%) of mean daily rainfall up to 2.1 mm.

South-Western areas:

Moderate chance (63%) of mean daily rainfall up to 1.8 mm.

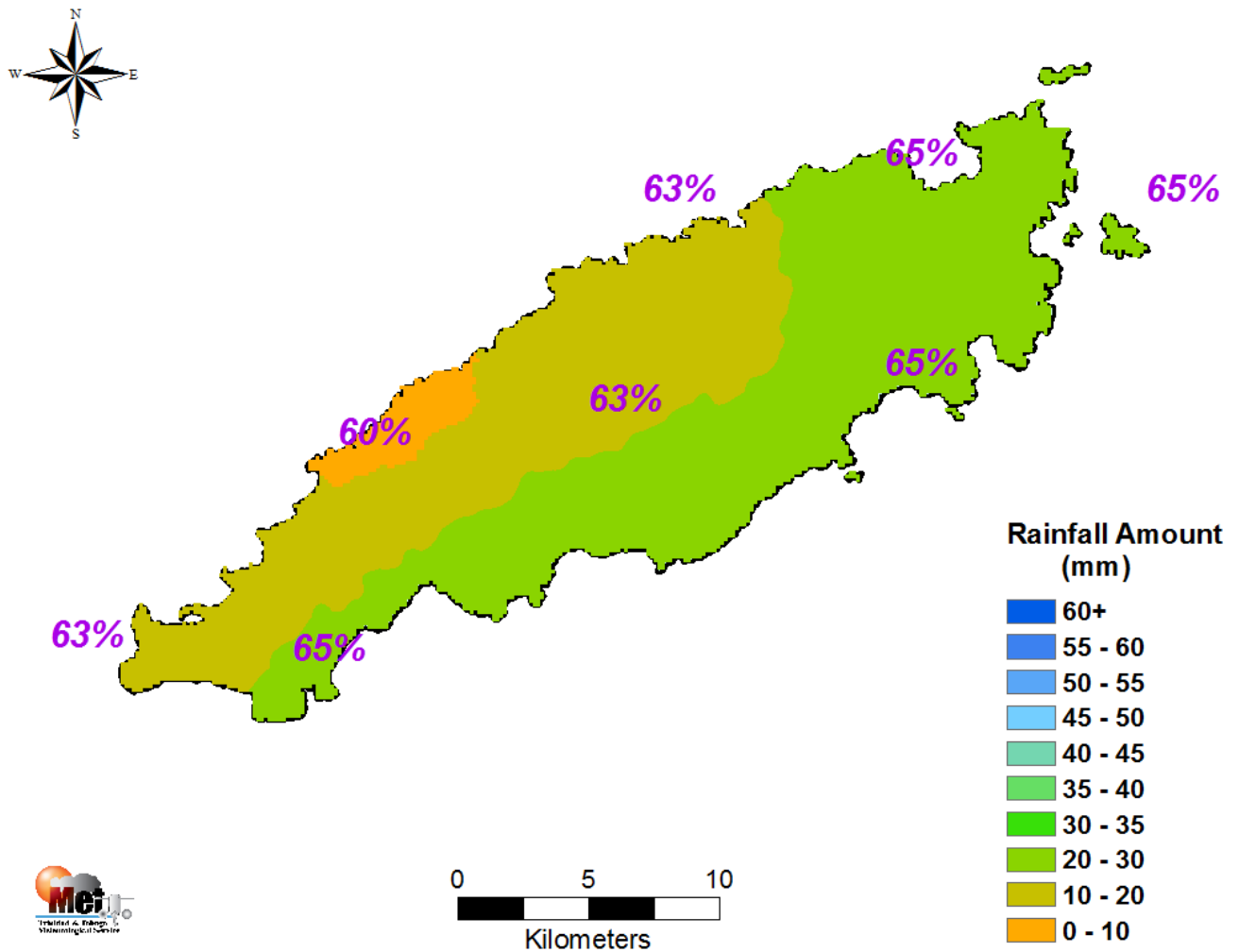


Figure 2. Rainfall Map of Tobago showing possible rainfall totals for varying districts during second dekad of April, 2017 and percentage probability of occurrence.

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Temperatures:

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

Moderate chance (70%) of daily maximum temperatures to exceed 32.6^oC, peaking near 34.2 ^oC.

Moderate chance (70%) of daily minimum temperatures to be below 23.4^oC, dropping as low as 22.1 ^oC.

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

Moderate chance (70%) of daily maximum temperatures to exceed 31.1^oC, peaking near 32.5^oC.

Moderate chance (70%) of daily minimum temperatures to be below 24.3^oC, dropping as low as 23.4^oC.

Summary:

The forecast for the Second Dekad of April (11th -20th) 2017, favours mostly mixed weather with mostly light early morning showers followed by breezy conditions. However, days 14th to 18th, there is a moderate probability of weather favouring mostly light, occasionally moderate rainfall with daily amounts ranging between 1.5 mm to 8.0 mm. There is a 63% chance that the possible ten-day rainfall totals be between 9.0 mm and 22.0 mm across Trinidad and Tobago. Temperatures are set to peak near 34.2 ^oC in Trinidad and near 32.5^oC in Tobago. If possible, farmers are encouraged to practice mulching after wet days to retain the moisture gained for longer periods and improve irrigation practices for drier days.

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