







## Agro-Meteorological Forecast for the for the Second Dekad (11th - 20th) of April, 2021

### 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 |

### 10-day Weather Forecast for Farming, April (11<sup>th</sup> - 20<sup>th</sup>) 2021

|                  | Weather  |                                 |                                     | Temperature  | Heat<br>Real<br>Feel | Day<br>Moisture<br>(Relative)<br>(Humidity) | Wind  |
|------------------|--|---------------------------------|-------------------------------------|--|----------------------|---|---|
| 11 <sup>th</sup> | <br>65% chance of light to moderate showers | 1.0 to 7.0 mm rainfall possible | Partly cloudy with moderate showers | <b>W a r m</b><br><br>Max Temp 30.0°C | Feels like 33-35°C   | 65-80%                                      | <br>Weak easterly<br>10 km/h<br>Gust 14 km/h     |
| 12 <sup>th</sup> | <br>65% chance of light to moderate showers | 1.0 to 7.0 mm rainfall possible | Partly cloudy with moderate showers | <b>W a r m</b><br><br>Max Temp 30.5°C | Feels like 34-35°C   | 67-76%                                      | <br>moderate easterly<br>20 km/h<br>Gust 28 km/h |













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|                  |  |                                       |                                 |   |                       |        |   |
|------------------|--|---------------------------------------|---------------------------------|---|-----------------------|--------|---|
| 13 <sup>th</sup> | <br>60% chance<br>isolated<br>showers | 0.0 to 5.0<br>mm rainfall<br>possible | Partly<br>cloudy few<br>showers | <b>Warm</b><br><br>Max Temp<br>31.8°C  | Feels like<br>34-39°C | 50-62% | <br>moderate<br>south-<br>easterly<br>14 km/h<br>Gust<br>24 km/h   |
| 14 <sup>th</sup> | <br>Sunny                             |                                       | Few cloudy<br>patches           | <b>Hot</b><br><br>Max Temp<br>32.4°C   | Feels like<br>35-40°C | 40-50% | <br>Moderate<br>south-<br>easterly<br>20 km/h<br>Gust<br>32 km/h   |
| 15 <sup>th</sup> | <br>Sunny                           |                                       | Few cloudy<br>patches           | <b>Hot</b><br><br>Max Temp<br>32.4°C | Feels like<br>35-40°C | 40-50% | <br>Moderate<br>south-<br>easterly<br>20 km/h<br>Gust<br>32 km/h |
| 16 <sup>th</sup> | <br>Sunny                           |                                       | Few cloudy<br>patches           | <b>Hot</b><br><br>Max Temp<br>32.6°C | Feels like<br>35-40°C | 40-55% | <br>Moderate<br>south-<br>easterly<br>20 km/h<br>Gust<br>24 km/h |

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|                  |  |  |  |  |                    |        |  |
|------------------|--|--|--|--|--------------------|--------|--|
| 17 <sup>th</sup> | <br>Sunny                         |  | Few cloudy patches                         | <b>Hot</b><br><br>Max Temp 32.6°C         | Feels like 38-42°C | 40-48% | <br>Moderate easterly<br>16 km/h<br>Gust 26 km/h      |
| 18 <sup>th</sup> | <br>45% chance showers            |  | Mainly sunny with occasional light showers | <b>Very Warm</b><br><br>Max Temp 31.8°C   | Feels like 35-38°C | 52-62% | <br>Moderate easterly<br>at 20 km/h<br>Gust 28 km/h   |
| 19 <sup>th</sup> | <br>65% chance moderate showers | 0.0 to 7.0 mm rainfall with higher amounts in the east coast of Trinidad | Partly cloudy with moderate showers        | <b>Very Warm</b><br><br>Max Temp 31.8°C | Feels like 35-38°C | 55-65% | <br>Moderate easterly<br>at 20 km/h<br>Gust 30 km/h  |
| 20 <sup>th</sup> | <br>65% chance moderate showers | 0.0 to 7.0 mm rainfall with higher amounts in the east coast of Trinidad | Partly cloudy with moderate showers        | <b>Very Warm</b><br><br>Max Temp 31.8°C | Feels like 35-38°C | 50-60% | <br>Moderate easterly<br>at 20 km/h<br>Gust 28 km/h |

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## Trinidad Rainfall Forecast for the Second 10 Days of April (11<sup>th</sup>– 20<sup>th</sup>) 2021

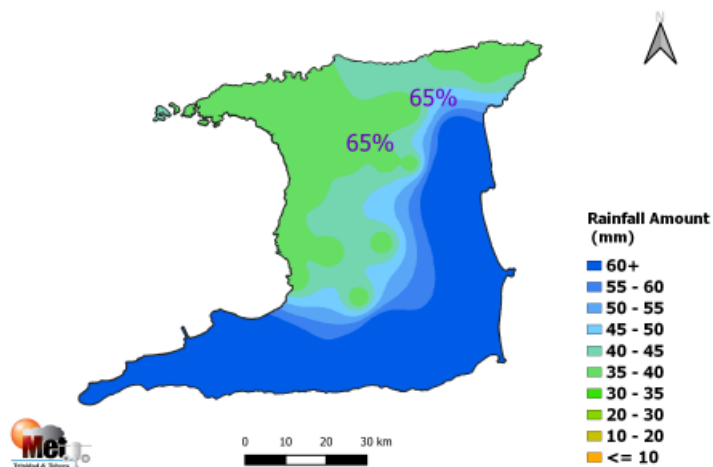


Figure 1. Rainfall Map of Trinidad showing expected mean rainfall totals for districts across Trinidad during the second ten (10) days of April 2021 and percentage probability of occurrence.

### Eastern and North-Eastern areas

Moderate chance (65%) of mean daily rainfall up to 5.6 mm.

### South-Eastern areas

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

### Southern areas

High chance (70%) of mean daily rainfall up to 7.1 mm.

### South-Western areas

High chance (70%) of mean daily rainfall up to 7.0 mm.

### Northern, North-Western areas

Moderate chance (65%) of mean daily rainfall up to 3.5 mm.

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## Central, West-Central and inland areas

Moderate chance (65%) of mean daily rainfall up to 3.5 mm.

## Tobago Rainfall Forecast for the Second 10 Days of April (11<sup>th</sup> – 20<sup>th</sup>) 2021

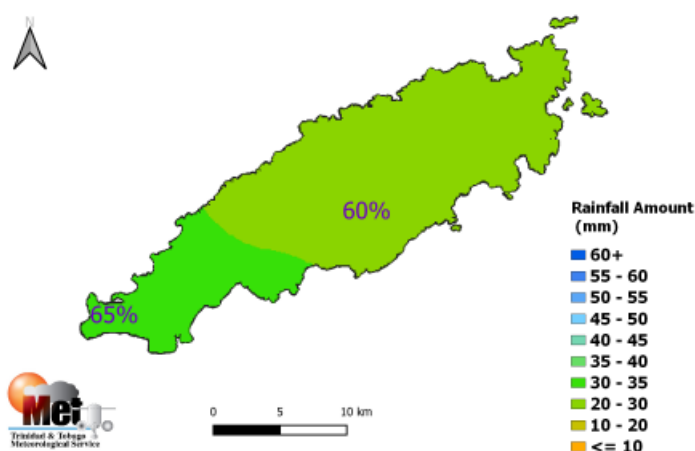


Figure 2. Rainfall map of Tobago showing expected mean rainfall totals for districts across Trinidad during the second ten (10) days of April 2021 and percentage probability of occurrence

## North-Eastern areas

Moderate chance (60%) of mean daily rainfall up to 2.5 mm.

## South-Western areas

Moderate chance (65 %) of mean daily rainfall up to 3.0 mm.

## Summary

Ample Rainfall amounts are expected on four of the ten days. Rainfall amounts ranging between 1.0 mm to 7.0 mm, are expected on the 11th and 12th, with higher amounts on days 19th and 20th, particularly in eastern parts of Trinidad and along the coast. A drying trend is expected to develop, persist and strengthen over the period 14th through the

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17th, where both islands will experience hot, dry weather with long sunny spells, followed by more favorable weather for agriculture on the 18th, 19th and 20th. Farmers are encouraged to harvest water when feasible to mitigate against the harsh dry days. Maximum temperatures are expected to remain warm (29.5oC) to very warm (31.8oC) throughout most of the period, but are likely to become hot (32.0oC to 32.6oC) on the 14th and 17th. However, temperatures are expected to have a real-feel or feels-like between 33.0oC to 40.0oC on most days, even with moderate winds. Low rainfall totals, high temperatures, high feels-like values, low daytime humidity values, and mostly moderate winds will increase evapo-transpiration rates in crops and increase drying and heat stress. This will increase the need to irrigate crops and provide fresh water to livestock. Trinidad: Partly cloudy spells on the 11th, 12th, 19th and 20th will likely bring light to occasionally moderate rainfall across farmlands in the southeast, eastern and northeast areas of Trinidad. Where rainfall totals are forecasted to be between 1.0 mm and 7.0 mm across different farmlands. The heaviest and most persistent rains are expected over farmland in the northeast near Sangre Grande, Biche, Fishing pond, Plum Mitan and Vega De Oropouche, and near Mora Valley and Moruga in southeast. Otherwise, mostly hot and sunny, at times partly cloudy but generally fine and dry with plenty of warm sunshine will dominate the other days. Ten days rainfall totals are expected to range between 35.0 mm and 75.0 mm. On the hand, from the 14th to 17th a drying trend will develop but will be interrupted now and then by cloudy patches at times. Tobago: Farmers should expect two days of light to moderate rainfall amounts on the 11th and 12th followed by largely dry conditions with mostly sunny spells, fine and warm weather in Tobago. Ten-day rainfall totals are expected to reach 35.0 mm in the island southwest and 25.0 mm in the northeast. Following the 12th, dryness will increase throughout the rest of the period, as a drying trend is set to take hold across the island during the rest of the 10 days. Temperatures & Winds: Daytime temperatures are expected to remain warm to very warm throughout the period, except on the 11th and 12th, when maximum temperatures are likely to dip to 30.0°C. Farmers should expect an increase in heat from the 13th as maximum temperatures are expected to climb close to 32.6 oC. The real-feel or feels-like temperatures are expected to range between 33.0oC and 37.0oC on most days, but with very good chances for the real-feel or feels-like temperatures between 38.0 oC to 40.0oC during 14th to 17th. Over the four days period (14th – 18th) moisture levels are expected to be low with average daytime relative humidity values in 40s to 50s, in terms of percentage. While during the 11th, 12th, 19th and 20th average daytime relative humidity values in the 60s to 80s, in terms of percentage Wind speeds are expected to be light to moderate with speeds between 10 km/h and 22 km/h and gusts up to 30 km/h at times.

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