



# MONTHLY AGRO-METEOROLOGICAL BULLETIN

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## OVERVIEW OF CONDITIONS FOR OCTOBER 2014

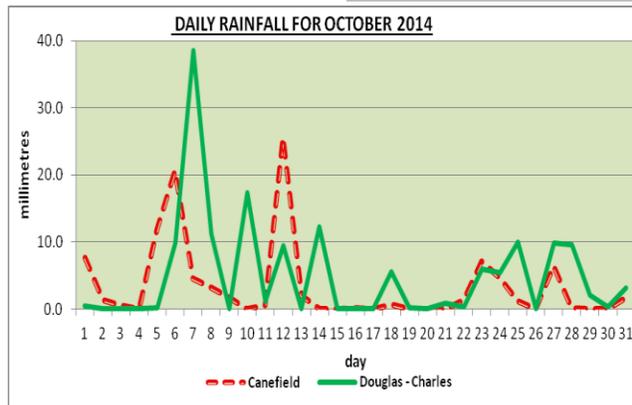


Figure 1 Daily rainfall at Canefield and Douglas-Charles Airports

Parameter	Canefield Airport	Douglas-Charles Airport
Rainfall Total	103.4mm	154.0mm
30 year average	188.2mm	319.8mm
Wet Days (>1.0mm)	15	15
Temperature	28.6°C	28.4°C
30 year average	28.5°C	28.2°C
Maximum Temperature	34.2°C (25 <sup>th</sup> )	32.1°C (14 <sup>th</sup> )
Minimum Temperature	23.3°C (22 <sup>nd</sup> )	21.2°C (14 <sup>th</sup> )
Relative Humidity	67%	77%
Maximum wind gust	33km/h	37km/h
Average daily sunshine hours	-	7hrs 27mins

Table 1 Monthly weather parameters

Below normal rainfall was recorded across the island this month. Much of the island's rainfall was as a result of unstable conditions generated by lingering trough systems and Tropical Storm Gonzalo which formed just east of the Leeward Islands on the 12<sup>th</sup>. Fewer tropical waves affected the island this month.

A total of 103.4mm of rainfall was recorded at the Canefield Airport. This total represents about 55% of the monthly mean. Unstable conditions due to the passage of Tropical Storm Gonzalo north of the region contributed to the month's highest daily rainfall total of 25.6mm on the 12<sup>th</sup>. Rainfall days were normal with a total of 15 days recorded. An eight days dry spell was recorded mid month.

The Douglas-Charles Airport recorded a total of 154.0mm (i.e. 48% of the monthly mean) of rainfall for October and that is the lowest monthly total recorded in the past two decades. A weak trough system produced the month's highest daily rainfall total of 38.6mm on the 7<sup>th</sup>. There were 15 rainfall days. Dry spells dominated the beginning and middle of the month.

Below normal rainfall was experienced across the regions. Farming practices were not impacted. There was an increase in production of sweet potatoes and plantain in the north. The southern region saw a reduction in vegetable production namely- lettuce and cabbages. Carrots were observed to be smaller than usual. There was an abundance in production of root crops namely- yams and dasheen; pineapples and christophene.

Fungal spots were observed on celery and parsley.

## CLIMATE SUMMARY FOR NOVEMBER 2014

Parameter	Canefield Airport	Douglas-Charles Airport
Rainfall	194.2mm	348.6mm
-highest total	438.3mm (1984)	912.0mm (2004)
-lowest total	28.4mm (2001)	97.2mm (1983)
Temperature	27.8°C	27.4°C
-maximum	33.7°C (1997)	32.8°C (1999)
-minimum	19.4°C (2008)	18.9°C (2010)
Chance of 5 day dry spell	77%	27%
Chance of 10 day dry spell	20%	0%

Table 2 Climate summary for November

