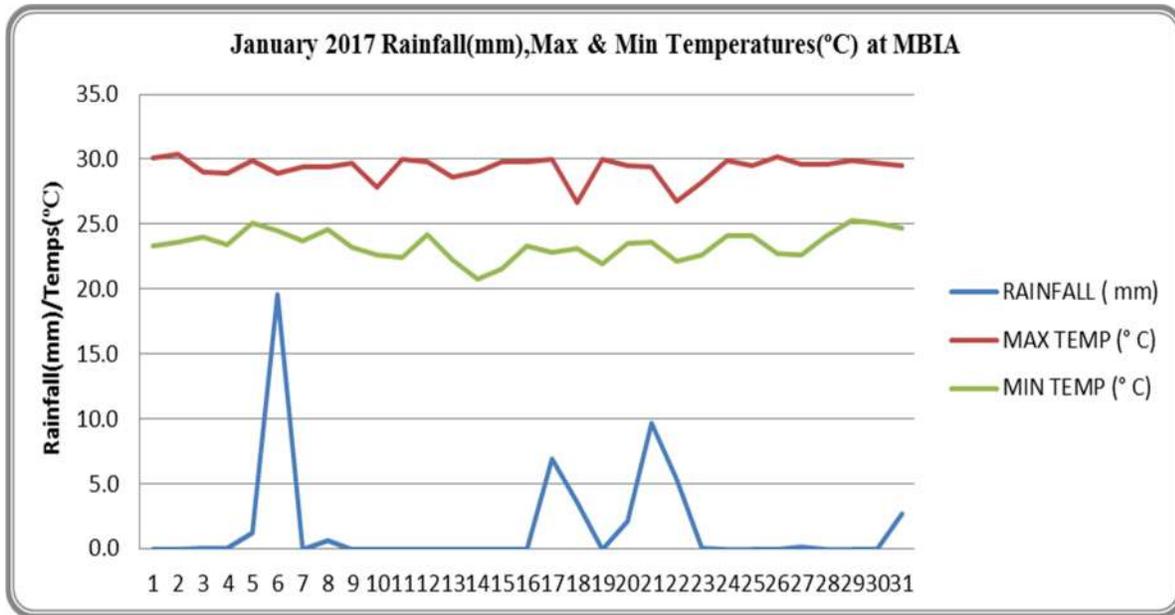# January 2017 Agro-met Report

For the second consecutive year, January's rainfall was below normal measuring 52.3mm. This amount was 15.24% or 9.4mm below the 30-year average of 61.7mm and 15.78% or 9.8mm below the long term average (LTA) of 62.1mm.

*Subsidence remained fairly strong throughout the month thus inhibiting deep convective growth. Trade wind cumulus and stratocumulus coupled with low level occasional moisture surge produced light and at times, moderate showers during the month. The highest 24-hour rainfall period of 19.6mm was recorded on the 6th. A surge in the low-level moisture supported partly cloudy to cloudy conditions on the 21st and produced some 9.7mm of rainfall and prolonged showers in St. Mark, St. John and Balthazar area where the bridge was flooded. There were six (6) days with a trace of rainfall and twelve (12) days without. **See graph below.***

Graph for January 2017 showing Rainfall (mm), Max and Min Temperatures (ºC)

Shear lines and Cold fronts also influenced the weather pattern across the South eastern Caribbean resulting in cold temperatures of 20.8 ℃, 21.6 ℃ and 21.9 ℃ on the 14th, 15th and 19th of the month respectively. The minimum of 20.8 ℃ was the lowest for the past four (4) years and also lower than the 30-year average and the LTA of 21.1 ℃. The mean minimum temperature was 23.4 ℃.

Daily mean temperature was of 26.4 ℃ was below the LTA of 26.5 ℃. The highest maximum temperature of 30.4 ℃ was recorded on the 2nd and was below the average of 30.7 ℃ while the mean maximum of 29.3 ℃ was also below the average of 29.7 ℃.

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The Bermuda Azores High peaked at 1037mb on the 14th of the month producing winds that were generally from the east- northeast to east at 15-25mph with a gust of 38mph.

Fishermen experienced moderate to rough seas as a result of the strong winds and small craft and marine advisories were issued on the 1st – 3rd, 7th and 8th, 11th – 17th and 28th – 31st of the month. The monthly catch was limited to Lobsters, Conch, Red Hind, Barracuda and Ballyhoo.

Despite the below normal rainfall, Farmers were still able to produce good yielding crops like Banana, Plantain, Pak Choi, Yams, Tania, Citrus, Breadfruit, Green peas, Chive and thyme Cabbage and Parsley.

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