

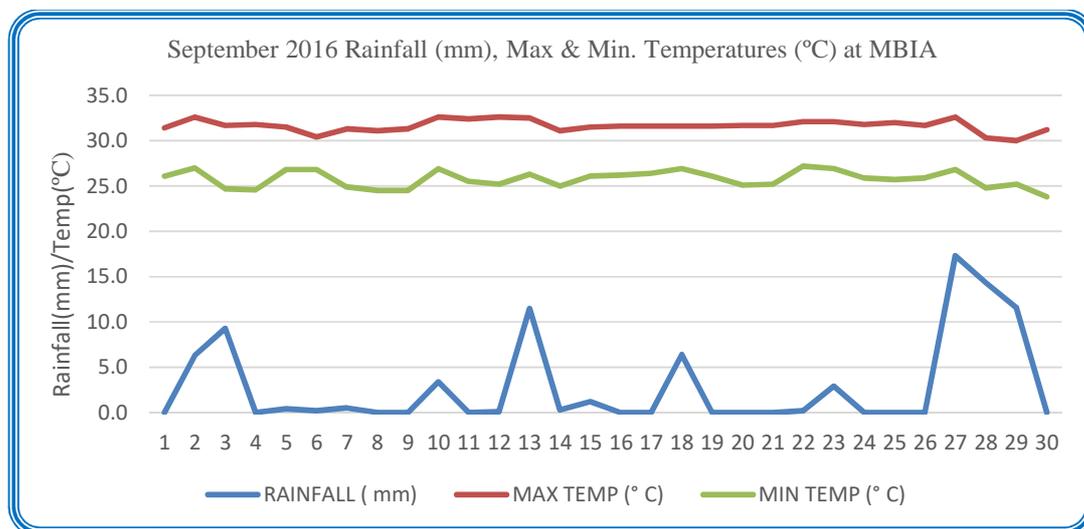


## September 2016 Agro-Met Report



The Atlantic basin saw the formation of five (5) named storms during the month of September, with one of these, Matthew, reaching major hurricane strength. We were however fortunate in that none of these named systems had any direct impact on Grenada.

A total of 85.9mm of rainfall was collected for September which was only 64.1% of the 30-year average of 134.0mm, in other words, rainfall was 48.1mm below the average. September's weather was influenced mainly by broad surface ridging and tropical waves. A tropical wave on the 13<sup>th</sup> produced a 24-hour rainfall amount of 11.5mm, while Invest 97L on the 27<sup>th</sup>, 28<sup>th</sup> and 29<sup>th</sup> produced rainfall amounts of 17.3mm, 14.3mm and 11.6mm respectively. There were five (5) days with only a trace of rainfall and eight (8) days without. *See chart below*



*Graph for September 2016 showing Rainfall (mm), Max and Min temperatures (°C)*

Although 43.2mm of rainfall was measured here at the Airport during the passage of Invest 97L, most of the rainfall took place in the northern half of the mainland especially on the western side. This resulted in landslides along the coast causing damages to property as shown in the pictures below.





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Mean daily temperatures for September 2016 were 0.1°C lower than September 2015 reaching a mean of 28.7°C, while the mean maximum and minimum temperatures were 31.6 °C and 25.8 °C respectively. The highest maximum temperature was 32.6 °C recorded on the 2<sup>nd</sup>, 10<sup>th</sup>, 12<sup>th</sup> and 27<sup>th</sup> compared with 33.0 °C for 2015 and 32.5 °C for the LTA (Long Term Average). The lowest minimum temperature of 23.8 °C was recorded on the 30<sup>th</sup> compared with 23.7 °C for 2015 and 22.9°C for the LTA.

The Bermuda Azores High peaked at 1035mb during the month of September. Wind speeds of 10 to 15 knots and over were generated for most of the month and was generally from the E – SE'ly most of the time. There were a few calm spells and a gust of 40 knots was recorded at 11:00am on the 29<sup>th</sup>.

Marine advisories were issued during the month, especially from the 26<sup>th</sup> – 30<sup>th</sup> when the seas were affected by Invest 97L and then Matthew. Fishing was at a low level during the month and fishermen only had limited catches in Yellow Fin Tuna, Lobsters and some reef fish especially on the east coast.

Even though rainfall amounts fell by some 35.9% when compared with the 30-year average, the farming community still had reasonable crop production Pumpkins, Pac Choi, Butternut Squash and Seasoning peppers.

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