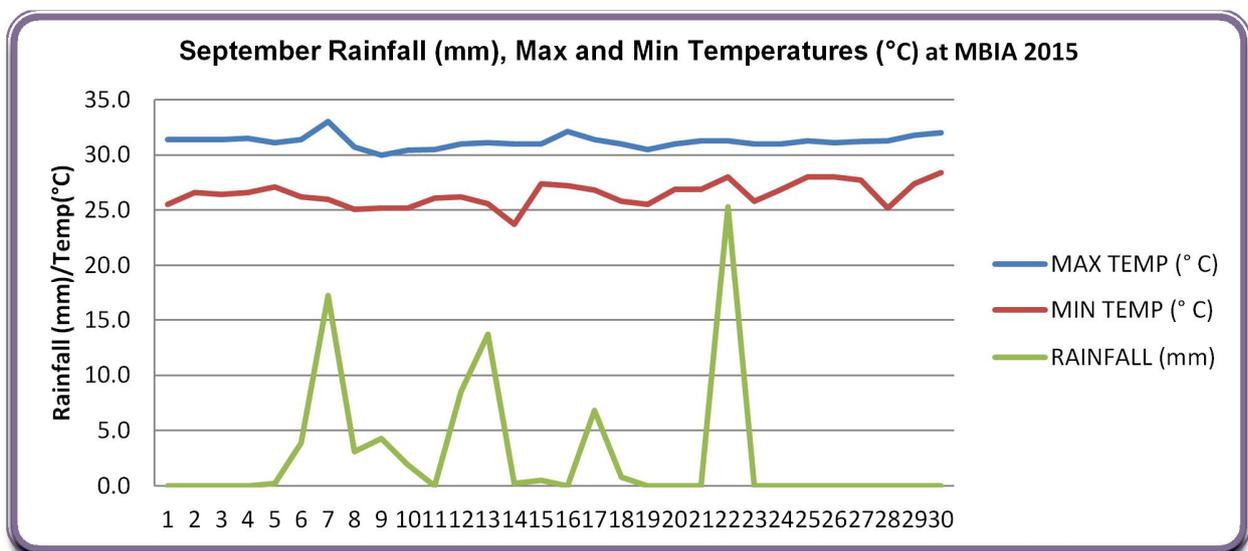




September 2015 Agro-Met Report

Below normal rainfall was recorded for the sixth consecutive month here at MBIA. A total of 86.4mm of rainfall was measured for the month of September 2015 which was 64.48% of the 30-year average and 44.65% of September 2014's 193.5mm rainfall.

A tropical wave on the 7th produced 17.2mm of rainfall. On the 13th, a low level trough coupled with the ITCZ enhanced by a divergent environment aloft, heightened unstable conditions and produced showery activity resulting in 13.7mm of rainfall while on the 22nd, localized conditions due to daytime heating and lifting created deep convective activity resulting in 25.3mm of rainfall. Apart from these three significant 24hour rainfall periods, there were seventeen (17) other days with little or no rainfall at all. *See graph below.*



Graph for September 2015 showing rainfall (mm), Max and Min temperatures (°C)

Mean daily temperatures for September 2015 were 0.9°C higher than September 2014 reaching a mean of 28.8°C, while the mean maximum and minimum temperatures were 31.2 °C and 26.4 °C respectively. This mean that September's minimum mean of 26.4°C is the highest on record. The highest maximum temperature was 33.0 °C recorded on the 7th compared with 32.3 °C for 2014 and 32.5 °C for the LTA (Long Term Average). The lowest minimum temperature of 23.7 °C was recorded on the 14th compared with 21.9 °C for 2014 and 22.9°C for the LTA.

The Bermuda Azores High peaked at 1031mb 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 – ESE'yly most of the time. Although no marine advisory



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was issued for the month, the seas were generally slight to moderate, being a bit more on the moderate side. Despite this, fishermen were able to venture out to sea and had catches in Dolphin, King fish and Tuna especially on the east coast.

Even though rainfall amounts fell by some 55.35% when compared to September 2014 and 34.79% when compared with the LTA, the farming community still did well as a result of the irrigation methods applied earlier on during the year; to face the dry season. Hence crop production continued to be good in Melons, Plantains, Soursops, Pumpkins, Okra, Avocadoes, Herbs, Paw paw, Squash and Seasoning peppers.

N.B: 30-year average - 1985-2014.

LTA – Long Term Average i.e. Ongoing

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