ABSTRACT

Bolano, Benjie and Buenavista Jr, Herson. Capiz State University, Pilar Satellite College, June 2023. Bachelor of Science in Agriculture, major in Agronomy. “Growth and Yield Performance of Cucumber (Cucumis sativus L.) Applied with Different Levels of Humus Plus”

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This study evaluated the Growth and Yield Performance of Cucumber (Cucumis sativas L.)Applied with Different Levels of Humus Plus at Sitio San Blas, Pilar, Capiz from Febuary 28 to May 11, 2023.

A total of 120 plant samples were used in the study, randomly distributed in 12 plots. The experiment used a Randomized Complete Block Design. The data were statistically analyzed using Stastix 8.1, and the significant difference between treatment means was declared a=0.05 using Tukey`s honest significant difference (HSD) test.

The total of 203.5 square meters was laid out in three-four blocks with three replications. Each block was assigned randomly with a measure of 3m x 4m with a pathway of 0.5m provided between plots. Treatment A control (without application), Treatment B (2tbsp of humus plus and 16 litres of water per plot), Treatment C (4tbsp of humus plus and 16 litres of water per plot), Treatment D (6tsp of humus plus and 16 litres of water plot).

The result of the experiment revealed that presented that application of the using different levels of complete fertilizer did not significantly affect the length of the main vine at 20, 40 and 60 DAS, number of leaves, number of lateral vines, length of fruit, the circumference of fruit and weight of fruit per ten sample plant; there are significant differences in the weight of marketable and non-marketable fruit per sample plant.