

Chance Jurkiewicz

*To Pot or Not*

The purpose of this project was to test if the growth method was differed if plants grew better with aquaponics or soil. I hypothesized that the aquaponics would do better because of the constant nutrients from the fish feeding the plants. This experiment involved planting twenty-seven seeds in each of the systems (aquaponics and soil) to see the growth yield (height, weight, and, leaf count). Soil was used as a control. The growth yield was measured by the height (cm), plant weight (g), leaf weight (g), and leaf count of each plant. The data collected did not support the original hypothesis. These finding lead to the conclusion that different growing methods (aquaponics and soil) did cause a change in growth yield. Soil, had the plants with the most average plant weight at 8.68g, leaf weight at 5.72g, and leaf count at 22.9 leaves. Aquaponics did have the greatest height average at 19.14cm. Therefore, it is reasonable to conclude that soil does grow better and stronger than aquaponics.