

Blake Bowshot

*Nature's Magnificent Medicine: Aloe Vera*

The purpose of this investigation was to determine if different types of soil affect the regeneration of an Aloe Vera plant. I hypothesized that if the soil type (sandy, potting, top, garden) was varied, then the Aloe Vera growth height will be the highest with sandy soil. The experiment involved adding three callused Aloe Vera leaves to each type of soil (sandy, potting, top, garden) and measuring their growth heights. The Sandy soil was used as the control. The Aloe Vera growth height was measured in centimeters, and the growth height was averaged for each soil type. The data collected did not support the original hypothesis. Based on the evidence, it is reasonable to conclude that the top soil had the highest growth height because top soil, on average, had a higher percent change of 4.6% when compared to the control, 7.5 % when compared to potting soil, and 3.9% when compared to garden soil.