

Mackenzie
5-2-19
D-Block

My group of Libby, Hazel, Gianna, and I did an experiment to test the question, “How does soil salinity affect seed germination?” We tested how red and blue corn seeds react to different amounts of salt mixed into their soil. Our test pots were the blue seeds and our other pots were red seeds. We had three of each kind of seeds. Our #1 pots had no salt mixed in whatsoever, our #2 pots had 14.1 g of salt mixed in, and lastly, our #3 pots had 28.3 g of salt. Our results were interesting.

In my hypothesis, I thought that #1 Pots would grow really well because it has no salt, #2 Pots would grow a bit worse because of the salt, and #3 Pots would grow the worst because it has the most amount of salt. I found out that yes, Pots 1 grew really well, but Pots 2 and 3 did not grow at all. Therefore, my hypothesis was incorrect. My data showed that red and blue corn seeds can not grow with 14.1 or more grams of salt. This is shown in my graph. In the end, The average height of the red and blue Pot #1s was 53.125 cm. The average height of red and blue Pot #2s was 0 cm. The average height of the red and blue Pot #3s was also 0 cm. I think all the Pot #2s and #3s didn't grow because they had too much salt. These results do not support my prediction. Adding that much salt to the soil may have affected my results because if we had added less salt, the #2s and #3s may have survived. We should now repeat the experiment to test if the first one was correct because it could have been wrong.