

March 19, 2019- Today my group worked on our experimental design. We worked on finding the safety and the materials of this project. Our research question is, How does soil salinity impact seed germination. The materials we would need for this project is one cup of water per plant, three corn seeds, 3 small pots.

March 20, 2019- Today my group worked on our predictions. Our prediction is that the cup with no salt will grow the best. The second cup will have 14.1 grams of salt which might not grow so well. The third plant will grow the worse because it has 28.3 grams of salt

March 21, 2019- Today my group worked on our experimental design. We figured out how we should do the project how much salt and water and how to plant. We debated how the plants will grow very differently.

March 25, 2019- Today we started to plant we chose blue and red we choose to make 6 pots for the plants we did 3 blue and 3 red to see if it changed the way they grew. We also inserted the seeds about 2 inches. Then after we added some water to help them grow. We put about $\frac{1}{3}$ a cup of water in each pot or until the soil was moist.

March 26, 2019- today we checked all six pots and the 3rd one as a text had a few crystals as salts. The rest have no change from yesterday. We sprayed the plants about once to keep the soil moist.

March 27, 2019- Today we checked on our plants. The test one of 3 had some more crystals. But nothing grew. Yesterday we found out that the plants needed 2 seeds in one whole to grow correctly so we fixed the problem and did that.

March 28, 2019- In class we checked our plants but nothing happened or grew.

March 29, 2019- Today we water our plants about 15 spirits with a spray bottle. Wwe discovered that our test one with no salt (jeffrey) has grown about 2 centermeater. But the other pots with soil and seeds have not grow so far.

April 1, 2019- so far we discovered there were 2 seed that grew the ones with no salt the ones with slat hasn't grown at all but all the pots were dried out so we are adding more water to make them no as dried out. The test plant which is number one without salt is 4 $\frac{1}{2}$ inches. The non test with no salt which is number one has grown 3 inches.



April 2, 2019- so far pot number is 11.43 centimeters and the pot number 1 test is we also noticed there is a sprout in each one so there is now two plants in each pot the second plant in pot one is one centimeter and in pot one test there is one that is 2.5 centimeters.



April 3, 2019- today not much change there is still nothing from test or normal pots of 2 and 3. The test in 1 seed 2 is grown 5 cm and the taller one seed 1 is 14cm. The non test one seed 2 is 3 cm and seed 1 is 10 ½ cm. Other than this nothing else has happened.

April 4, 2019- today we still haven't seen anything from the #2 or 3 pots but the growth of test one seed 1 is 16 centimeters and the seed 2 is 7 centimeters. Red seeds is 15.5 centimeters seed two in red seed pot is 4 centimeters.

#1 blue seeds are test

#1 Red seeds are original



April 5, 2019- Today we discovered that the blue seed pot 1 has a little of color change at the tip it's like a reddish brown color.

Blue seed pot #1- 25 centimeters (jeffrey)

Red seed pot one seed 1- 18 centimeters (Jerry)

Blue seed pot one seed 2- 14 centimeters (freddy)

Red seed pot one seed 2-6.5 centimeters (Brian)

April 8, 2019- today we discovered that the plants had grown a lot bigger. We still have no growth between pots 2-3. But there is a lot of growth with the pot one green and blue seeds. The blue seeds (jeffrey) has grown 39 centimeters. The second blue seed is 28.9 centimeters. The red seeds in pot one the first one is 26 centimeters the second red seed is 19 centimeters

April 9, 2019- wasn't here

April 10, 2019- the pots that have some salt in them have turned a darker color like black and also is moist the ones with no salt are lighter. The plants so far are a green color and a lighter green at the bottom.

Blue seed pot one seed 1- 45 centimeters (jeffrey)

Blue seed pot one seed 2- 37 centimeters (freddy)

Red seed pot one seed 1- 27 ½ centimeters (Jerry)

Red seed pot one seed 2- (Brian)

April 11 2019- today we decided to water every thursday instead of friday so we will water them today. No plants have fallen over. Brian red seed 2 has wavy leaves

Blue seed pot one seed 1- 47 cm

Blue seed pot one seed 2- 41.5 cm

Red seed pot one seed 1-35 cm

Red seed pot one seed 2- 31.5 cm

April 12, 2019- all the plants look healthy today, brian still has some wavy leaves.

Blue seed pot one seed 1- 47 cm

Blue seed pot one seed 2- 45 cm

Red seed pot one seed 1- 36 cm

Red seed pot one seed 2- 35 cm

April 16, 2019- today we notices that they have been a bit dry so we watered them all, we also noticed that the bottom of the plants are sorta red and brown like normal plants could get and on a few of the plants there are dead leaves which could mean that they are drying out and needs to be watered more often and the stems of the plants are starting to fall over because of how big its getting. There is still no plants growing at all in the salted plants.

Blue seed pot one seed 1- 56cm

Blue seed pot one seed 2-51cm

Red seed pot one seed 1- 48.5 cm

Red seed pot one seed 2- 39.5 cm



April 17, 2019- we observed that there is still some red spots at the bottom of the red seeds and the blue seeds have just green like the stem. So Far we still have no growth with the plants with salt so i predict that the salt could of rotted them out or dried the nutrients out of it. We also see in seed 1 blue seed has started to bend. The plants have also started to get wavey. We also put a popcicle stick where the plant was bending

Blue seed pot one seed 1- 58.5 cm

Blue seed pot one seed 2- 53 cm

Red seed pot one seed 1- 40cm

Red seed pot one seed 2- 50 cm

April 18, 2019- today we dug up the seeds that wernt growing. Our conclusion about the plants is that the ones wiht no salt grew very well and ones with salt never grew.

Blue seed pot one seed 1- 60cm

Blue seed pot one seed 2- 54.5 cm

Red seed pot one seed 1- 42.5 cm

Red seed pot one seed 2- 55.5 cm

