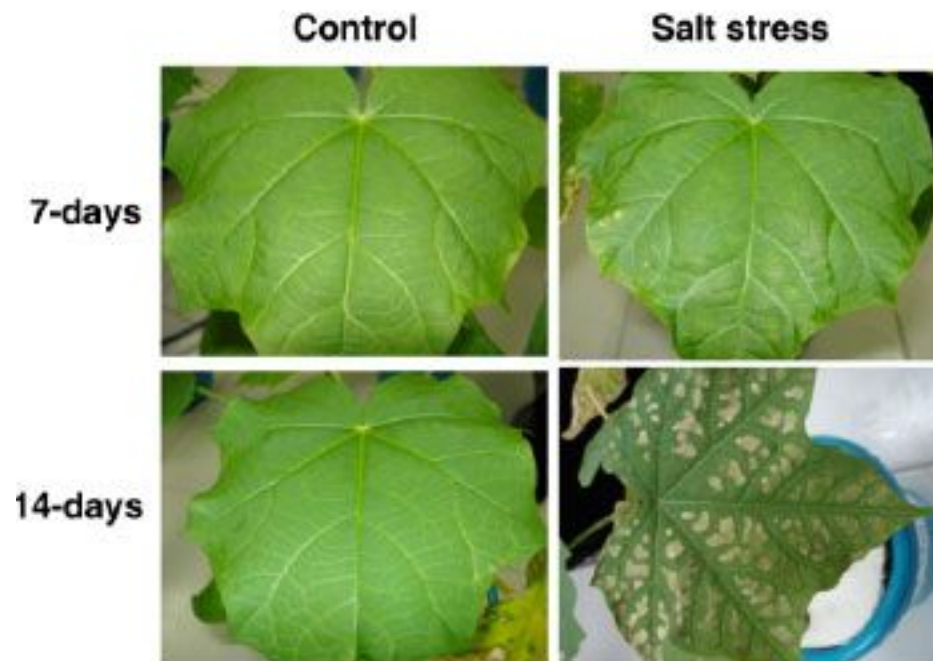


March 19th, 2019- Today our group worked on finalizing our project design. We figured out how much water to give our corn plants and when. My prediction is that Plant #2 and Plant #3 will die from the amount of salt, but Plant #1 will be fine. I researched how much water and how to plant a corn plant.

March 20th, 2019- We pretty much just picked up where we left yesterday, which is figuring out our experimental design. I think we are getting really close to being able to start the actual experiment. We will start tomorrow.

March 21th, 2019- We had a setback today. I thought that we were adding the salt through the water to mimic ocean water, but I was wrong. We are going to mix the salt into the soil. Libby and Hazel labeled the pots. #1, #2, and #3. So, we kind of started the experiment today, but not really.

March 25th, 2019- We are mixing our salt into our pots today. I searched up “leaf symptoms of salt stress” because our mentor said we most likely should. (Shown below)



March 26th, 2019- Test plant #3 has quite a few salt-crystals. Plant #3 has less salt crystals, but still some. No sprouts so far. We planted yesterday. 3 blue corn seeds, and 3 red corn seeds.

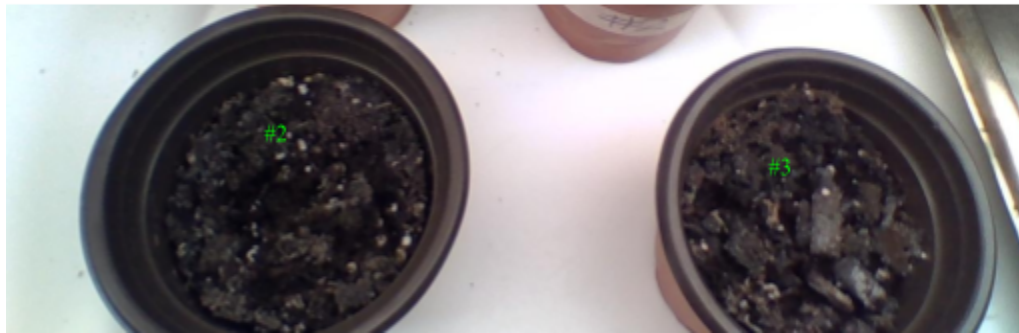
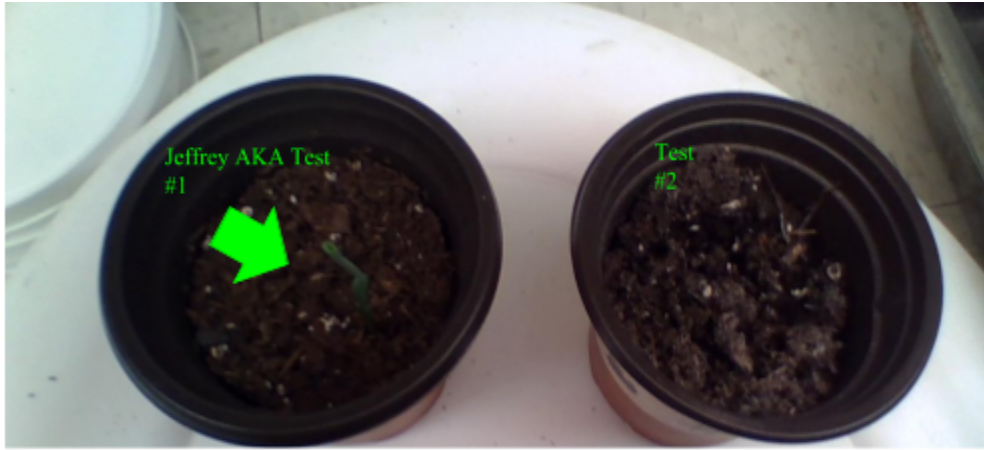
March 27th, 2019- Test #3 still has a few salt-crystals, I think the same number as yesterday. Same with #3. Nothing has sprouted today.

March 28th, 2019- Yesterday, Hazel found out that to grow corn seeds, you need to put 2 corn seeds in 1 hole. We fixed that, but still no sprouts. We only need to water once a week, but I'm starting to question if we should do it more often. When we very carefully dug up the soil to put

the second seed in, one of the blueseeds had just barely started to sprout, but now I fear I have killed it. I hope not. Still the same amount of salt-crystals on Test #3 and #3.

March 29th, 2019- Test #1, which I am now going to call Jeffrey, has a little tiny baby sprout! He's so tiny! He is around 1 cm tall, but still! We have decided to give each pot 15 squirts of water from a water mister. We water them every Friday. Everything else looks the same, except for Jeffrey and now everything looks more wet.

April 1st, 2019- Jeffrey has a new friend! #1, who is now Jerry. Jerry is 7.26 cm. Jeffrey is now 11.43 cm! Hazel thinks that Test #2, #2, Test #3, and #3 are all dead, but I have faith! (In them).

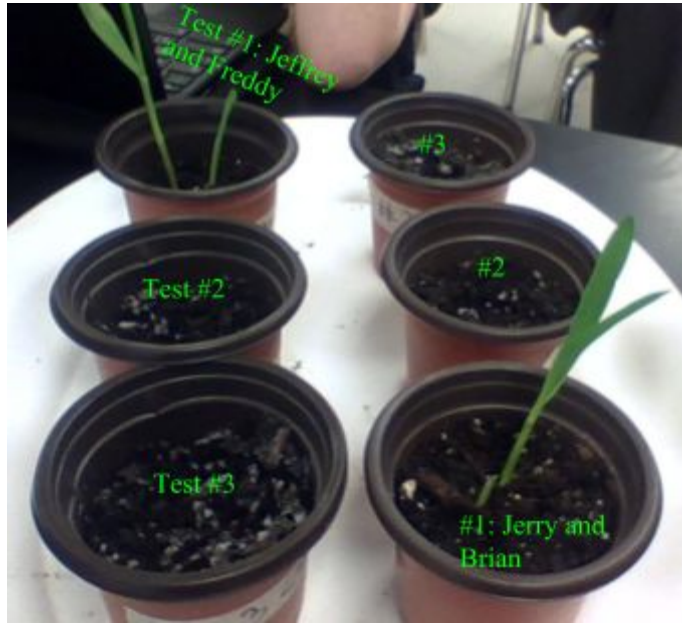


April 2nd, 2019- Jerry and Jeffrey both have buddies! Jerry have a little baby buddy in Pot #1 with him, Brian. Jeffrey's buddy is Freddy, in Test Pot #1 with him. Brian is 1 cm tall today. Freddy is 2.5 cm. Jerry is 11.43 cm. Jeffrey is 12.7 cm tall! Both Jeffrey and Jerry have grown leaves, and Jeffrey's leaves are looking brown near the top. Also, a orangy-red liquid was leaking from his top brown leaves. Not a lot, only a little tiny amount, but still. I am concerned

for him, but everyone else looks great!



April 3rd, 2019- Jeffrey looks worse today. I don't know what could be wrong with him. Freddy is in the exact same pot as him and he looks fine. Freddy: 5 cm. Brian: 3 cm. Jerry: 10 cm.



Jeffery: 14 cm.

April 4th, 2019- Jeffrey has gotten a bit better today. He's not leaking anymore red stuff. Jeffrey: 16 cm. Jerry: 15.5 cm. Brian: 4 cm. Freddy: 7 cm.

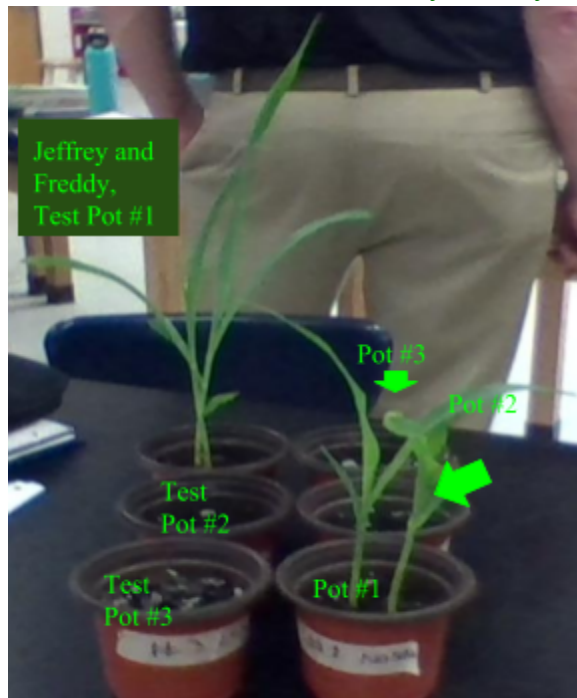


April 5th, 2019- Jeffrey continues to look better. We took his two leaves that were attached and detached them, with no consequences. Jeffrey: 25 cm. Jerry: 18 cm. Brian: 6.5 cm. Freddy: 14



cm.

April 4th, 2019- On Friday, we cut off all the brown from Jeffrey and he looks better than ever! He's taller than one one-foot ruler! Brian has a tiny bit of brown on one of his leaves, but maybe we will not have to worry about it? His leaves are also kinda wavy. Jeffrey: 39 cm. Jerry: 26 cm.



Brian: 19 cm. Freddy: 28.9 cm.

April 9th, 2019- No measurements today, just observations. Our only sprouts, Jeffrey, AKA Test Pot #1, Freddy, AKA Test Pot #1.5, Jerry, AKA Pot #1, and Brian, AKA Pot #1.5, all look a bit different. Jeffrey is by far the tallest and healthiest looking. He is a healthy deep-light green

in leaves and stems. Freddy, in the same pot, is most likely the second healthiest looking. He is the same color as Jeffrey, but is leaning way more to the side. Jerry in Pot #1 also looks real healthy. He is shorter and has a small streak of tanish on one leaf, but he looks good. Brian looks the worst. His leaves are wavy, and a bit brown.

April 10th, 2019- The pots that have a bit of salt in them look black with small white crystals of salt. Everyone looks about the same as yesterday, but taller. Brian's leaves are a bit less brown but still wavy. Jerry still looks healthy. Jeffrey and Freddy look the same as yesterday, but once again taller. Jeffrey: 45 cm. Jerry: 32.5 cm. Freddy: 37 cm. Brian: 27.5 cm.

April 11th, 2019- We have decide to water every Thursday instead of Fridays. None of the plants have fallen over yet, so yay! Brian still has real wavy leaves, but little-no brown spots. Jeffrey is the same color as everyone else, a deep-light green. Jeffrey: 47 cm. Jerry: 35 cm. Freddy: 41.5 cm. Brian: 31.5 cm.

April 12th, 2019- The plants look healthy today. One of Freddy's leaves looks a pale green color, but I'm not gonna worry about that. Brian has been growing taller and taller but still has wavy leaves. Jeffrey looks like he has a new leaf, but it looks a bit to moist and limp. Jeffrey: 47 cm. Freddy: 45 cm. Jerry: 36 cm. Brian 35 cm. Jeffrey has not grown any taller. It could be because the light is RIGHT THERE.

April 16th, 2019- The plants are doing well today. The salt plant's crystals are more white, so I don't know if that means anything. Brian has one really tiny thin brown leaf that is growing, so maybe he's rotting. I hope not. Just a heads up, only three more journal entries left. Jeffrey: 56 cm. Freddy: 51 cm. Jerry: 39.5 cm. Brian: 48 cm. We have been needing to water the plants, like, twice a week. They are so big! Brian is still all wavy leafed. The test plants are both bigger than the non-test plants. This could just be because we planted them first, and they sprouted first. They are all a healthy dark green, except for the few brown spots they all have.

April 17th, 2019- They look good today. I still don't get why Brain has wavy-leaf, but other than that he looks great! Jeffrey has one leaf that is bending over, but we are going to take two popsicle sticks and tape them on either side of his broken leaf. The salt pots look the same as yesterday, white salt crystals and all. Jeffrey: 58.5 cm. Freddy 53 cm. Jerry: 40 cm. Brian: 50 cm.

April 18th, 2019- Plants are great! We dug up the seeds that never sprouted. They look fine, so I think I will take them home and try to get them to germinate. Jeffrey is still leaning to the right, but I believe that's because he is so tall! The test plants are growing than better than the non-test seeds. Jeffrey: 60 cm. Freddy: 54.5 cm. Jerry: 42.5 cm. Brian: 55.5 cm.