

March 19 2019- How to grow corn

Today I researched corn on <http://northernraingrowers.org/wp-content/uploads/CORN.pdf>

Has been grown in the northeast for generation, corns energy per acre is higher than any other crop.

March 20 2019- How to grow corn

Today I researched corn on <http://northernraingrowers.org/wp-content/uploads/CORN.pdf>

Water corn every 7 - 10 days- found from a quick google search.

Different types of corn- Flint, silage, flour, sweet, pop, and ornamental varieties

Corn requires a high level of nitrogen to grow well

March 26 2019- Plants

Yesterday we finally planted the corn into the pots. We ended up getting 6 pots this time incase one fell over. We're testing along with the salt in the soil if the seed color effects it at all which is cool. Today we watered the plants a little with a spritz bottle but we had no growth because we forgot to put it under the lamp oops! Nothing happened expect for in the salty soil the soil looked kinda crystalized but other then that nothing much happened.

March 27 2019- Spreadsheet

Today we made a spreadsheet to keep track of our plants. So far there has been no plants grown so we have only been looking at the soil. The soil in the pots with salt of minor crystallization on a small portion of the soil which is hard. Im worried they are dead.

March 29 2019

We are using a water sprizzer. We now instead of using a cup of water like a bunch of idiots.

We're using 15 spritz from a spritz bottle which is not enough water but no one listens to me -_-

We however did get a very very small stem poking out of the soil of pot #1 with blue seeds which is exciting. Its around 1 cm tall as of right now which is really cool.

April 1 2019

Red seed pot #1 has grow to 3 inches. Blue seed pot #1 has grown to 4 ½ inches

The 15 spritz from a spritz bottle made the soil too dry over the weekend so we watered them again. Plants are well and doing good

April 2 2019

Pot #1 blue seed has a little baby plant with it dubbed pot #1.5. But pot #1 has a weird brown leaves and has a weird brown stem connecting both of two leaves on one plant.

Aswell on a lighter note pot #1 red seeds also has a small buddy too!

Pot #1- 12.7 cm - Blue seed

Pot #1.5- 2.5 cm - Blue seed

Pot #1 - 11.43 cm- Red seed

Pot #1.5- 1 cm- Red seed

April 4 2019

Today we asked our mentor what to do about the brown leaves on Blue seed pot #1. We are awaiting for her to get back to us.

Pot #1 - 16 cm - Blue seed

Pot #1.5- 7 cm- Blue seed

Pot #1- 15.5 cm- Red seed

Pot #1.5- 4 cm- Red seed

I've been wondering why pot #1.5 red seed is so short he grew at around the same time as pot #1.5 blue seed.

I can't wait to water them tomorrow maybe more plants will begin to grow!

We also started a lab thing with Mrs. Buzzell today. It something with seeing how radishes grow in bagged soil. Our bag is tapped to the window so it will get natural sunlight.

April 5 2019

Today we watered out plants and measured them!

Pot #1- 25 cm- Blue seed

Pot #1.5- 14 cm- Blue seed

Pot # 1- 18 cm- Red seed

Pot #1.5- 6.5 cm- Red seed

We also got a message from our mentor on the brown rotting bit of pot #1 blue seed. We took the brown leaf out of the other leaf and our mentor told us the red liquid in it meant it was rotting. She said it will still grow but we should keep an eye on it.

Anyways the weekend is starting and I can't wait to see how much they've grown when I get back.

The radishes haven't changed.

April 8 2019

Today we are measuring the plants!

Also pot #1 blue seeds is over a foot tall!

The measurements of today are.

Pot #1- 26 cm tall- Red seeds

Pot #1.5- 19 cm- Red seeds

Pot #1- 39 cm- Blue seeds

Pot #1.5- 28.9 cm- Blue seeds

As for our radishes they are doing good.

The plants are growing fine and healthy. One plant had a bit of a brown leaf like pot #1 blue seed so I cut it off. If it gets worse I will ask our mentor.

Also our plants are not leaning too much I added soil to one of the pots that had the tallest plant (Blue seeds) and it isn't leaning! Tomorrow I'll add more soil to the red seed plants so they don't lean to much either.

April 9 2019

Today we aren't measuring we're observing more then measuring.

- Pot #1 red seed- It seems to have gotten taller. There's no brown spots on it expect for the very bottom but nothing to concerning. Its mostly green with small streaks of lighter yellowish greens. The leaves are nice and tall but the tallest curls slightly.

- ❑ Pot #1.5 Red seed- It seems to have a rotting leaf which we will check out with our mentor tomorrow it's not too serious. The rest of it is a healthy green color with some wavy like leaves. Only the red seeds seem to be wavy
- ❑ Pot #1 Blue seeds- Blue seeds are the tallest but this one is the tallest plant. Healthy green color but one leaf has light brown ends- Thinking about cutting it off. Some things on the leaves are a light yellowish green color but its fine
- ❑ Pot #1.5 blueseeds. Very taller and just like pot #1 minus any brown specks and not as much yellowish like colors on the leaves
- ❑ All the other pots haven't grown anything and the soil is crystal like in all of them.

April 10 2019

Today we are measuring but first here is some examination

- ❑ Red seeds- Pot #1- They look like they've gotten a little taller it still has wavy like leaves and it looks the same in color as yesterday.
- ❑ Red seeds- Pot #1.5- Still has the rotting like leaf we took a picture a picture of it and sent it to our mentor. The leaves are still wavy and it's gotten taller
- ❑ Blue seeds pot #1- They've gotten much taller and haven't changed much in color. This plant still has brown ends on the leaves if it gets worse I'll cut the brown parts off.
- ❑ Blue seeds pot #1.5- Gotten taller for sure! I think the stem got thicker too we should do more measurements soon. The color hasn't changed and doesn't have any brown spots on leaves

Measurements

- ★ Blue seed pot #1- 45 cm
- ★ Blue seed pot #1.5- 37 cm
- ★ Red seed pot #1- 32.5
- ★ Red seed pot #1.5- 27.5 cm

What happened today

Today we observed and measured our plants as seen up above. I'm also trying a new formatting of the journal which I will continue as you can see.

The measurements are shown up above and so are how the plants look.

In two days we will be watering and tomorrow we're checking the seeds in the pots that have no plants.

We asked our mentor about the plants with wavy leaves and the plant that had the brown leaf on it.

April 11, 2019

Observation

- ❑ Blue seeds pot #1- This plant has gotten taller from observation, the plants still a green color but one leaf has lots of brighter green streaks in it and light brown tips. The middle leaf reaches up to the sky and has one lower leaf then the rest. One leaf it has is much longer than any of the others.
- ❑ Blue seeds pot #1.5- Not as tall as the other blue plant but is mostly green and is growing another leaf that is very thin growing out of the center leaf.

- ❑ Red seed pot #1.5- Still has wavy leaves and the rotten leaf. If mentor got back to us today we will be cutting off the rotting leaf. Otherwise the plant is mostly green with lightish green tips
- ❑ Red seed pot #1- It's gotten taller- its the tallest red seed plant. It's a nice green like pot #1.5 but no brown spots and one leaf has streaks of yellow like pot #1 blue seeds

Measurements

- ★ Red seed pot #1- 35 cm
- ★ Red seed pot #1.5- 31.5 cm
- ★ Blue seeds pot #1- 47 cm
- ★ Blue seeds pot #1.5- 41.5 cm

What we did today.

We watered the plants because they seemed dry and measured them

April 12 2019

- ❑ Blue seed pot #1- This plant is still the tallest but pot #1.5 is coming up close to being the same height. I don't think it will be getting any taller because of how low the light is. On monday I'll see if the teacher can raise it. The plant looks the same as yesterday same color, leaves, and streaks.
- ❑ Blue seed pot #1.5- This plant is the 2nd tallest coming close to pot #1. Nothing much has changed same color, same leaves. This one looks taller than pot #1 but pot #1 has a super long leaf
- ❑ Red seed pot #1- Looks the same as yesterday.
- ❑ Red seed pot #1.5- cut off the brown part but still the same

Measurements

- ★ Red seed #1- 36 cm
- ★ Red seed #1.5- 35 cm
- ★ Blue seed #1- 47 cm
- ★ Blue seed #1.5- 45 cm

What we did today

Today we measured the plants. Blue seed #1 won't get any taller because its going past the light source - Will talk to teacher about it.

I wrote in my journal about what happened and cut off the browning rotten part of plant red seed #1.5.

April 16th 2019

- ❑ Red pot #1- Has gotten taller, same color as it was last time we measured and observed the plants. For some reason on one of the leaves its growing tiny little leaves on another leaf it's really odd its like its ripping itself from the leaves but there a fresh green color so it should be fine.
- ❑ Red pot #1.5- This one has a leaf in the middle that looks dead we might cut it off if it gets worse. The leaves are still wavy unlike any other plant but their fading

out as it gets bigger. It's also taller than red pot #1 now which is interesting. The whole plant itself is a much darker green color now too.

- ❑ Blue pot #1- This one is still the tallest and still has an amazing green color like last week. The bottom leaf however has light brown on the perimeters and a red splotch on it but it should be fine.
- ❑ Blue pot #1.5- This one is 2nd tallest and doesn't have any browning leaves at all it's a healthy green color and all its leaves look good too.

Measurements

- ★ Red pot #1- 39.5 cm
- ★ Red pot #1.5- 48 cm
- ★ Blue pot #1- 56 cm
- ★ Blue pot #1.5- 51

What we did today

We measured the plants today, observed them and watered them because the pots with plants in them had very dry soil.

April 17th

Measurements

- ★ Blue pot #1 58.5 cm
- ★ Blue pot 1.5- 53 cm
- ★ Red pot 1- 40
- ★ Red pot 1.5- 50cm

Observation

- ❑ Blue pot #1- One of the leaves bent to a bad degree so we put a popsicle to support it in hopes of it healing which it probably won't. It's the same color as yesterday and healthy minus the bent leaf.
- ❑ Blue pot #1.5- It's gotten taller and is the same color as yesterday
- ❑ Red pot #1 - Same as yesterday
- ❑ Red pot #1.5 still has wavy leaves and a bit darker color than it was yesterday.

April 18th

Measurements

- ★ Blue pot #1- 60 cm
- ★ Blue pot #1.5- 54.5 cm
- ★ Red pot #1
- ★ Red pot #1.5

Observations

- ❑ Blue pot #1- The leaf is still bent probably not going to heal. The leaves are still green except for the part that is bent it is a little lighter than anywhere else on the leaf. It's still growing taller though.

- ❑ Blue pot #1.5- It has gotten a little bit more taller and is still nice and healthy just like yesterday unlike blue pot #1 with its bent leaf
- ❑ Red pot #1- It looks the same as it did yesterday still medium height and a good healthy green. Kinda like the blue pot #1.5
- ❑ Red pot #1.5- This plant still has its wavy leaves which no other plant does. It's still one of the darkest even if it's not the tallest.