

Lily's Plant Journal

3/23/18

We planted the nasturtium seeds $\frac{1}{2}$ an inch deep and we used 50 ml of water to water each plant growing in sunlight. We have four cups with 2 seeds each growing in sunlight and four cups with 2 seeds each growing in the grow tower.

3/26/18

We watered the plants again with the 50 ml of water. The plants in the grow tower started to grow but the plants in the sun light did not. The seeds in the grow tower look like its growing into the rockwool. Only plant number 1 has started to sprout.

3/27/18

We watered the plants again today with 50 ml of water. Plant #1 in the grow tower is starting to grow and it's 1.2 cm. On plant #3 it has started to sprout but it is unable to be measured. The plants growing in the soil the soil look kinda wet. None of the plants growing in the sun have started to grow.

3/28/18

Today we did not water our plants in the soil because the soil looked really wet. Plant #1 is now 3 cm. It is very green and it has either leaves or its starting to get a flower. Plant #3 was 0.3 cm. They other seeds have started to sprout but are still unable to be measured. The plants in soil have not started to grow at all.

3/29/18

Today we only watered one of our plants because it looked really dry but the others were still moist. Plant #1 is 4.7 cm tall. It has like two leaves and is very green. Plant #2 is 3 cm. It is also starting to grow its leaves/flowers. Plant #3 is 0.3 cm tall. Plant #4 is growing into the rock wool but is unable to be measured. None of the plants near the window have grown yet.

3/30/18

Today we measured our plants again with 50 ml of water. Plant #1 at the window is 3 cm. Plant #2 at the window is 3.5 cm. Plant #3 at the window is 1.5 cm. Plant #4 at the window has not grown yet. The Tower garden plant #1 is 6 cm and has two leave/flowers. The Tower garden plant #2 is 5.5 cm and also has leaves/flowers and is very green. The Tower garden plant #3 is 0.5 cm and is curly.

4/2/18

Today we watered the plants near the window growing in soil. Plant #1 at the window is 19 cm and has leaves/flowers. Plant #2 at the window is 16.5 cm and also has leaves/flowers. Plant #3 at the window is 11 cm. Plant #4 at the window is 1.7 cm but does not have leaves/flowers. All our plants have started to grow. Tower garden #1 is 7.8 cm. Tower garden #2 is 9.5 cm. Tower garden #3 is 3.2 cm. Tower garden #4 is 5.7 cm. All the tower garden plants have leaves/flowers and have sprouted.

4/3/18

Today we did not water the plants because we decided to water them every other day. All the plants are really tall all with leaves. Plant #4 at the window is a purple-green color but the rest are really green. The plants near the window also grew taller than the tower garden plants except for #4 in the window plant.

4/4/18 - DARE

4/5/18

Today we watered the window plants. The plants in the tower garden look different than the plants near the window. The ones in the tower have a lot more leaves and are all around 9 cm. The ones near the window are a lot taller but only have 3 or 4 plants. They are all really green. Plant #3 in the tower garden it's stem is sort of curled up so it was harder to measure.

4/6/18

Window plant #1 - 1 plant's stem is green the other is a red/green color

One plant has 3 leaves the other has 5 leaves, The leaves are all really green 27.5 cm

Window plant #2 - Is very floppy the plants are sort of tangled together, both of the stems are a light green color 24.6 cm

Window plant #3 - Is also really floppy it has three leaves with one sprouting and the stem is red/green color 23 cm

Window plant #4 - It looks really healthy because it is standing strait up

It has two leaves with one starting to sprout, the stem is a green/red color 17 cm

Tower #1 - has lots of leaves 3 are really light green 5 darker green leaves 9.2 cm

Tower #2 - looks like a mini tree with 4 darker green leaves purple/red stem 9.8 cm

Tower #3 - 8.7 cm with lots of little green leaves and curly, green stem

Tower #4 - purple/green stem with 4 leaves two light green two dark 8.8 cm

4/9/18

- We watered our plants again today

- C1 - 28.9 cm green bendy
- C2 - 25.6 cm leafy green bendy
- C3 - 26.6 cm bending over
- C4 - 26 cm Standing strait up with 3-4 leaves very green
- T1 - 10.2 cm lots of leaves
- T2 - 10 cm bending over
- T3 - 9.5 cm curly stem
- T4 - 9.6 cm Lots of leaves

4/10/18

Recycled percussion

4/11/18

DARE

4/12/18

- C1 - 32 cm very floppy a lot taller than tower garden plants but smaller and not as many leaves
- C2 - 25.8 cm very floppy green stem and littler leaves
- C3 - 26.6 (got knocked over) falling out of the cup
- C4 - 26cm kind of flopping over but it is still sort of strait up
- T1 - 17.2 cm has a lot of leaves but is very green leaves are big
- T2 - 17.8 cm it has a longer stem but less leaves stem is green
- T3 - 13.6 its in a cluster the stem is green but is still sort of in a knot at the end has lots of little leaves
- T4 - 15.4 cm smaller green leaves but a red/green stem that branches off a lot

4/17/18

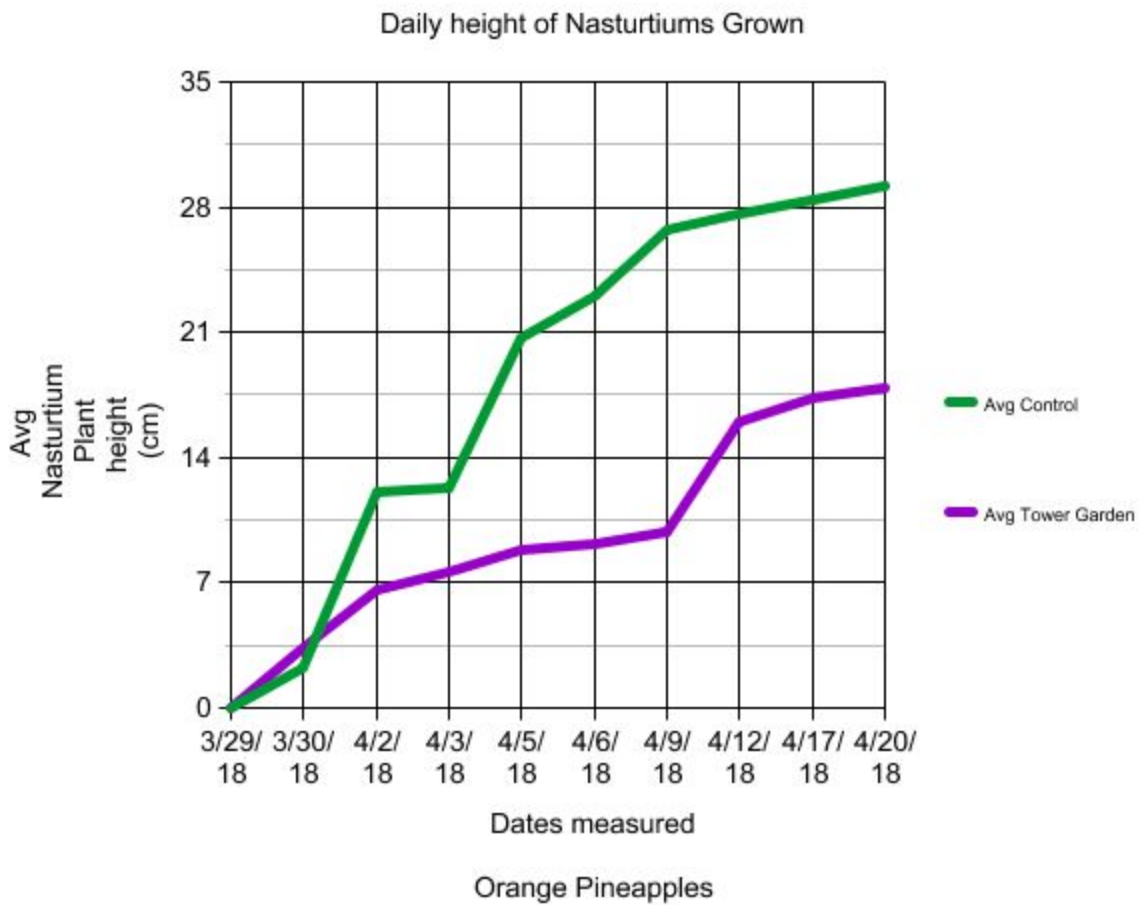
- Tower garden plants are doing well and still growing
- Watered the window plants
- Window plant #1- 31.6 cm
- Window plant #2- 24.7
- Window plant #3- 27.1
- Window plant #4- 30
- Tower garden #1- 18
- Tower garden #2- 18.6
- Tower garden #3- 15
- Tower garden #4- 17.7
- We did not water today

4/20/18

- C1 - floppy leaves- darker green, stem - lighter green 15 leaves 32.4 cm

- C2 - very tangled, lots of leaves stems are in almost a knot 24.9 cm
- C3 - almost dead, stem- bent, purple/green leaves- 7, white center 28.7 cm
- C4 - flopping over now stem - light green part purple leaves - 6 dark green 30.8 cm
- T1 - super leafy darker green looks like a mini tree 18.9 cm
- T2 - purple stems a lot darker have tons of leaves 19 cm
- T3 - purple stems a lot darker have tons of leaves 15.2 cm
- T4 - purple stems a lot darker have tons of leaves stem in a knot 18.3 cm
- We watered the plants today

Data table:



Conclusion:

Our prediction was supported! Our prediction was that the plants in the grow tower will grow and mature faster than the control. The plants in the grow tower did grow and mature faster by 1.125 cm. Also the plants in the grow tower started to sprout first. Lastly we had no problems in the experiment except one of the plants was knocked over.