

Acidity on Plants

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Description

In this experiment, I made a solution for my plants that was a half-water/half-vinegar mix that I would pour an equal amount daily.

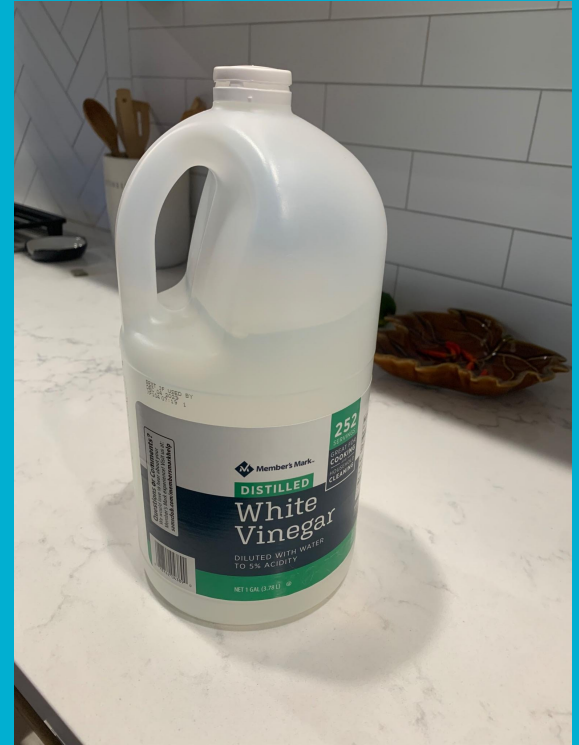
I wanted to test the pH values of the plants to see if it would change at all and affect the plants.

First Step

I used White Distilled Vinegar mixed with tap water.

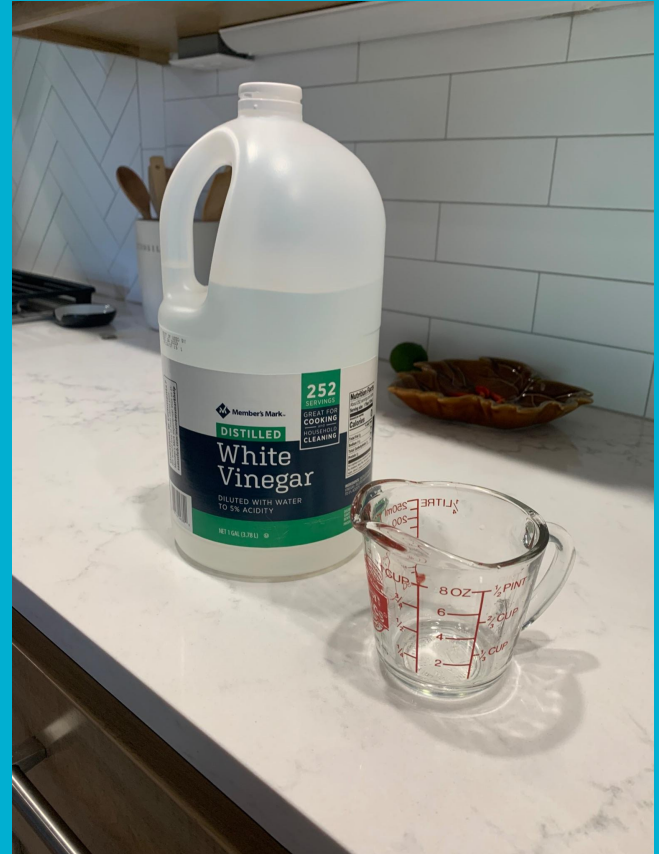
I decided to use $\frac{1}{2}$ cup of water and $\frac{1}{2}$ of vinegar.

This made a full cup for my solution.



Start of procedure

I started this experiment on October 7th



Before Pictures



Results after one day

This picture was taken the day after I watered them for the first time.



Conditions

The plants were in the same spot right next to each other getting the same amount of sunlight so there wasn't anything that could've made the plant wilt other than the vinegar.

This next picture was taken October 12th.

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The plant was basically dead after 5 days of watering it. There was definitely a change in pH.



Results

- The vinegar-water plant ended up dying from the vinegar, which is usually used to kill weeds so it makes sense that it died.
- The water only plant lived as usual with no wilting or anything.

Conclusion

The vinegar-water plant clearly had its pH changed and turned acidic because of the color change of the plant and how the plant reacted compared to the other normal plant.