

Abstract

Project Title: I Wet My Plants!

Project ID: 409

Abstract

A brief explanation of your project. Enables judges to receive a base understanding of your project and work.

Is it worth buying those “eco-friendly” ice melters for your driveway and such? With my experiment, I wanted to find out if “eco-friendly” ice melters would actually perform to their standards. I watered eight plants total, four basil and four bean plants. One of each was watered normally, one was watered with a normal salt water mixture, one was watered with “Natural Rapport,” a road salt that claimed to be eco-friendly, and “Safe Paw,” which is an ice melter that is one hundred percent salt free. These eight plants were all watered normally for around twenty days until I saw growth in all of them. Then, I watered them every other day with their corresponding water mixture for twenty days. These mixtures consisted of a gallon of water and then two tablespoons mixed in with the water. I expected the normally watered plants to thrive and really stand out from the others. I also expected that the Safe Paw mixture would see the second most growth, followed by the Natural Rapport mixture, and then the salt water. As I expected, the normally watered plants really stood out from the competition. After the normally watered plants, the Natural Rapport mixture saw the second most amount of growth, followed by the Safe Paw mixture, and finally the salt water mixture did the worst. Throughout the twenty days, the bean plants grew as follows: the normally watered plant grew three and a fourth inches, the Natural Rapport plant grew two inches, the Safe Paw plant grew one and three eighths inches, and the salt water grew a fourth of an inch. The basil plants grew as follows: the normally watered plant grew two and a fourth inches, the Natural Rapport plant grew one inch, the Safe Paw plant grew a half of an inch, and the salt water plant grew three eighths of an inch.

Items to Include:

Introduction: Why did you do this project and why is it important? How will this effect people and why is it needed. Inspire the reader to continue learning more about your research and read your report.

Problem Statement and Engineering Goal / Hypothesis: What is the problem you were solving and what was your engineering goal or hypothesis.

Procedures: How did you solve the problem and or test your hypothesis. Don't go into details, provide a broad, conceptual view of what you did. For engineering, what was your design criteria.

Results: What was the outcome? Use your data and numbers to describe your result.

Conclusion: Was your hypothesis supported or the engineering goal met?