



Colorado Science and Engineering Fair

2024 Individual Project Abstract Form

Please print 2 copies of the completed form. Sign both copies, keep 1 for your notebook and submit 1 copy to your Regional Fair Director with your other paperwork.

Title of Project: Drink Better Grow Better

Finalist's Name: Katelyn Juliano

School and City: Hope Community Christian Academy, Ignacio Co

Sponsor's Name: Melissa Juliano

Category: Plant Sciences (PLNT)

Division: Junior (6th - 8th grades)

Abstract (250 words or less):

The purpose of my project was to see if different types of water will influence plant germination. What inspired me to do this project, was my pet tortoise. A tortoise needs flowers and weeds as part of a healthy diet. I wanted to grow edible and safe plants that I could feed him throughout the winter. For my experiment, I planted five marigolds' seeds in three pots with the same amount of soil. I then placed the pots under a grow light. I watered my plants everyday with three different types of water. The three different types of water I used was: city water, well water, and bottled water. I observed my pots for germination every morning and evening for ten days.

The results of my experiment showed that the pot receiving well water germinated the quickest, while the pot receiving the bottled water needed twelve more hours to germinate. Lastly, the pot that took the greatest number of hours to germinate was the pot receiving city water.

From my project, I learned that not all sources of water are the same. It is important to know what is inside the water you drink, give your pets, or choose to water plants with.

I hereby certify that the above statements are correct and the information provided in the Abstract is the result of one year's research. I also attest that the above properly reflects my own work.

Finalist's Signature:

Date:

In addition, all students must complete the ISEF Student Checklist (1A), Research Plan, Approval Form (1B), and Checklist for Adult Sponsor (1), and any other ISEF forms required for this type of project. See the International Rules and Guidelines for form requirements. Return COPIES of all of these forms to your Regional Fair Director with you Finalist Verification/Permission Form. A signed copy of this form must be included in your notebook.