



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: Bombs Away

Finalist's Name: Quorra Benally

School and City: Mancos Middle School, Mancos CO

Sponsor's Name: Craig Benally

Category: Earth & Environmental Sciences (EAEV)

Division: Junior (6th - 8th grades)

Abstract (250 words or less):

How do different types of materials affect the success of a seed bomb?

According to my research, I think that the clay seed bomb will work better than the paper seed bomb because the paper seed bomb doesn't explode on impact, which means that the seeds will not spread into the soil and have nutrients to grow.

Make your seed bombs from seeds, clay soil, potting soil, fertilizer or compost, water and paper. Fill a pot with loosely packed soil and plant the seed bombs. Track the growth of the seeds.

The paper seed bomb did better than the soil seed bomb with 21 sprouts on Day 40 and the soil seed bomb had 16 sprouts on Day 40. The seeds started sprouting on Day 7.

I reject my hypothesis because the paper seed bomb did better than the soil seed bomb.

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: *Quorra Benally*

Date: *2-27-2024*

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.