

# SAN JUAN NM REGIONAL SCIENCE & ENGINEERING FAIR

## JUNIOR AND SENIOR DIVISION

### ABSTRACT & CERTIFICATION

**TITLE:** Does Microwaved Water Kill Plants?

**Name:** Finnigan Raines

**School:** Hermosa middle school

**Grade Level:** 6th grade

**Type the Body of Your Abstract Here (250 Word Maximum)**

This project is discussing whether or not microwaved water kills plants or not. Microwaves are said to cause cancer by some people. People who may be spreading this "fake news" have posted pictures of plants that have died to microwaved water. For the water to kill the plant, the structure of the water will have to change to a different form that is bad for the plants (just hydrogen and oxygen or hydrogen peroxide).

My hypothesis is that the growth of the plants will grow the same as regular water. The water molecules will not change by microwaving it. This is because water molecules are stable. If they are stable enough, they will not change at all and the plants growth will have the same effect as non-microwaved water.

Add potting soil, 12 pinto beans spaced out evenly, place in a sunny area, and label each planter, water beans with desired water, and repeat until germination. Take pictures and measurements. Once done, present the data.

My hypotheses was supported because the plants grew mostly the same. There were no major differences in the growth. There was an 11% difference in the largest to smallest.

1. The student independently performed all procedures as outlined in this abstract  Yes  No
2. This project is a continuation.  Yes  No
3. This project is being presented at  SJRSEF  NMJAS Paper Competition

**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.**

*F.R*

Student's Signature

2/22/21

Date

