CALIFORNIA STATE SCIENCE FAIR
2013 PROJECT SUMMARY

Name(s)
Kalea R. Fajardo

Project Number
J1907

Project Title
Does Talking to Plants in Different Tones of Voice Affect Their Growth?

Abstract

Objectives/Goals
The objective of this experimentation was to determine whether or not talking to plants in different tones of voices would affect how tall they could grow in a seven-day period.

Methods/Materials
Materials included mung beans, water, paper towels, a small bowl, scissors, three eighteen-ounce cups, and soil. To conduct this experiment, I planted the mung beans and spoke in different tones to each plant. One tone was mean; one was nice; and another was left as a control. Three trials were performed.

Results
The ones that were nicely talked to grew the tallest in two out of three trials. In all three trials, the plants spoken to meanly did not grow very well. This means that plants respond well to encouraging dialogue.

Conclusions/Discussion
The hypothesis for this project was actually correct. I have learned that plants do respond differently to different tones of voice. Next time, I would like to conduct this experiment in the spring. These results could be taken further by scientists. They could test more tones of voice, and with their findings, they could help farmersâ## crops grow better by communicating to them which tones stimulate plant growth the best.

Summary Statement
My project is about the effect of different tones of voices on plantsâ## growth.

Help Received
Mother helped design the board. Grandparents gave advice on how to best grow the plants. Mrs. Vena, my science teacher, guided me in executing a successful and well put together project.