CALIFORNIA STATE SCIENCE FAIR
2012 PROJECT SUMMARY

Name(s)
Alyssa Harrell

Project Number
J1910

Project Title
Attracted: The Growth of Radishes by Magnetic Force

Abstract

Objectives/Goals
Would the magnets increase the growth of the radishes at a faster pace?

Methods/Materials
Mathods: Soak seeds in bowl of water for 6 hours. Plant radishes in pots and plug in light from 7 pm to 7 am daily. Place pots on newspaper and use Sharpie to number the pots. Scoop soil with spoon and pour 4 cups of soil into each pot.

Materials: Fern Pots, 90 watt CFL lightbulbs, 10 inch reflector lamps, measuring cup, 16.9 FL oz empty water bottle, package of Cherry Belle Radish Seeds, Eco-Friendly indoor potting soil, 12 toothpicks, ruler, pencil, black Sharpie, Painter's tape, Double Thick Medium Sized Fed-Ex Box, Piece of mesh screen, large spoon, scissors, stuido lighting "C" stand, camera, 3 sheets of newspaper, two 3 inch cow magnets, tweezers.

Results
During week 1, no magnet plants sprouted on day 3. Plants with the magnets sprouted on day 2 and grew an average of 1 inch that week. During week 2, it sprouted 1 1/2 inch with magnets and 1/2 inch without magnets. During week 3, plants with magnets grew another inch. No magnets also sprouted an inch. Stopped growing on last week.

Conclusions/Discussion
The hypothesis appears to be correct with the data given. The radish sprouts with magnets grew faster and taller than the ones without the magnets.

Summary Statement
This project determined that a radish with magnets grew taller and faster than the ones without the magnets.

Help Received
Mrs. Burnett corrected some formatting errors.