CALIFORNIA STATE SCIENCE FAIR
2005 PROJECT SUMMARY

Name(s)
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Project Number
S1608

Project Title
Does Bean Mass Affect Plant Height?

Abstract

Objectives/Goals
The objective of this experiment was to find out if the mass of a bean would have any effect on the height of its plant. For this experiment three different beans masses would be tested.For example the small beans would weigh 1-2 grams, the medium beans would weigh 3 grams, and the large beans 4-5 grams.

Methods/Materials
First, the beans would be weighed and seperated into three categories accordng to their masses (small beans 1-2 grams, medium beans 3 grams, and large beans 4-5 grams). Then they are planted in a greenhouse at a 1-inch depth each.Also, they are watered withn a certain amount of water each. The beans are monitored,observed, and the progress is recorded. The materials use were: black beans,scale,soil,greenhouse, ruler,and a logbook.

Results
In this experiment the small and large beans palnts grew almost the same average height. The medium beans grew the tallest plants.

Conclusions/Discussion
Based on this experiment and the data recorded the medium size beans grew the tallest plants. This conclusion is based on a sixteen day period.

Summary Statement
The effect of bean mass and plant height.

Help Received