



**CALIFORNIA STATE SCIENCE FAIR
2004 PROJECT SUMMARY**

Name(s) Brian W. Gac	Project Number J1609
Project Title The Effects of Ash on Radish Plants	
Abstract Objectives/Goals The objective of this project was to find the effects of ash on radish plants. Methods/Materials The experimenter used ash from Julian, California; potting soil; Burpee radish seeds; two bags of Jiffy Pots; and a dual beam balance. The experimenter first planted 64 radishes in the Jiffy Pots. One group of 16 radishes were planted in a soil to ash ratio of 3:1, another group in 4:1, one group in 5:1, and a control with no ash. The experimenter kept the plants evenly moist by watering them every day for 28 days and observed them every 3 days. On the last day, the experimenter carefully removed the ash from the pots. The experimenter then washed them and dried them with a paper towel. The experimenter then massed the plants on the dual beam balance. Results The experimenter found that all of the experimental groups had a negative effect on the radishes compared to the control. The 4:1 ratio had the most negative effect, followed by the 3:1, and then the 5:1. Conclusions/Discussion The experimenter thinks that the way the plants grew turned out that way because the plants were in potting soil. The ash caused the radishes' soil to become too acidic and caused the negative growth.	
Summary Statement This project is testing to find the effects of ash on radish plants.	
Help Received Father helped plant and radish plants. Mrs. Sniffen and Mrs. Taylor helped me decide what to do for my project. Mother and Sister helped me type the report and decide what to do for my project.	