



**CALIFORNIA STATE SCIENCE FAIR
2007 PROJECT SUMMARY**

Name(s) Elijah B. Roth	Project Number J1727
Project Title Little Green Men	
Abstract Objectives/Goals The purpose of this experiment is to find if plants will survive in a Martian Soil with the aid of fertilizer and plant supplements or not. My hypothesis is that if a Martian Soil can be produced and plants planted in it, then the Acorus grass, along with the help of fertilizers, hormones, and plant supplements, will grow the best, due to its grass and weed like ability to grow in most places. Methods/Materials After determining my question I performed my experiment by creating a replica Martian Soil using the chemicaks obtained by the chemists, planting the desired plants in it, and observing them. Results I found that the Lily Turf in the regular and fertilized Martian Soil faired the best and both the Acorus grass in the fertilized and regular Martian Soil did the worst. Conclusions/Discussion Based on the results from this project I have concluded that the Lily Turf will grow the best in a Martian Soil and that the Acorus grass would do the worst because of its need for excessive amounts of water	
Summary Statement I performed my project to determine which plant (if any) would survive best in a Martian Soil or if it needed a fertalizer.	
Help Received Father performed helpful mathematical equations to determine amounts of chemicals for soil; Dr. John Voth, the Lab and Tech Manager at Monterey Ag Resources, supplied information and chemicals for project; Used chemicals under supervision of my father	