



**CALIFORNIA STATE SCIENCE FAIR
2010 PROJECT SUMMARY**

Name(s) Ethan T. Duval	Project Number J2004
Project Title Nature's Phoenix	
Abstract Objectives/Goals My objective was to find out what type of grass sod grows back best after burning. Methods/Materials Six types of grass sod from the same company were cut into sections and placed in roasting tins. The samples were given time to dry out in a warm place. After this they were taken outside and burned down to the root, except for one of each type that was kept as a control. Then the samples were watered and given time to grow back. After a week the number of blades that had grown in each tin was measured with a special scoring system to show the results. Results The Dwarf Fescue samples grew back more of their former bulk than the other samples in the same time as the others, even though all the samples were under the same growing conditions. The Bentgrass grew back the least of its former bulk in the same time as the others. Conclusions/Discussion From this experiment it was learned that the Dwarf Fescue from the Park Avenue Turf company grows back fully after burning and watering, where as the other types will not. This information proves useful in fire prone areas when one is wondering what type of grass will grow back fuller, quicker after getting burned down.	
Summary Statement This project is a simple way to measure, judge, and compare the growth quality of burned grass sod.	
Help Received Teacher and father Anthony Melville helped obtain materials and assisted with burning. Mother helped with data entry and obtain background information. Park Avenue Turf Company donated the sod.	