



**CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY**

Name(s) Jordan Filkey; Allen King; Melissa Winkler	Project Number 22559
Project Title Can an Alyssum Become Photo-Luminescent?	
Abstract Objectives/Goals We are trying to make an alyssum plant photo-luminescent. We believe that this plant, with the proper additives, will become photo-luminescent under a black light. Methods/Materials We will be using 3 test plants plus a plant that will not be tested on for comparison purposes. We will also use highlighter fluid, neon paint, glow sticks, and water to use as test materials on the plants. We will also use 3 planters for the experiment. We will also be using a black light to test to see if the plants are photo-luminescent. Results The project was a success. After only a few days of testing, we were able to see that the plants were photo-luminescent. The plants are photo-luminescent (glow) under black light. The additives reflect well under black light and are easy to see. They are especially easy to see in complete darkness. Conclusions/Discussion With our project being a success, we believe that this experiment could pan out into useful purposes.	
Summary Statement Our project is about making a plant (alyssum) photo-luminescent (glow).	
Help Received A friend (Eric Winkler) helped on one of the days of testing.	