



**CALIFORNIA STATE SCIENCE FAIR
2008 PROJECT SUMMARY**

Name(s) Kenneth Y. Lee	Project Number J1717
Project Title Cut or Not to Cut? A Study of Agricultural Efficiency of Bulb Plants	
Abstract Objectives/Goals To design a new growing technique to speed up the growth of bulb plants around the world and help solve the world hunger problem by growing vegetables at a faster rate. Methods/Materials I removed three centimeters from the tops of five double daffodil (Narcissus) and left another five unchanged. I then planted them under the same growing conditions, with full sunlight and the same amounts of water, and recorded the average heights of each group of plants and the average amounts of growth of each group for the week. I continued the regular growth process of these plants for six weeks. Results I found that the manipulated group did grow to a higher average in height, and therefore at a faster rate than that of the controlled group. Conclusions/Discussion My results did support my hypothesis that the manipulated plants would grow at a faster rate than the controlled. By testing these plants, I found that I could use this technique to plant onion sets and garlic cloves to grow onions and garlic at a faster rate.	
Summary Statement My project is about finding a way to increase the speed of growing bulb plants and distribute vegetables grown from them to hungry and sick people in need.	
Help Received Dad helped get materials; Teacher guided me.	