



**CALIFORNIA STATE SCIENCE FAIR
2007 PROJECT SUMMARY**

Name(s) Alexandra E. Dusenberry	Project Number J1710
Project Title Allelopathy: A Plant's Defense	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The project experiment was to determine, whether or not, growing lima beans with eucalyptus leaves, would have any alleopathic effects on the growth of the lima beans. I believe the eucalyptus will negatively affect the growth of the lima beans, as in comparison to the beans grown in pure water.</p> <p>Methods/Materials The project experiment included four bags with 20 numbered lima beans in each bag. Three bags had equal amounts of eucalyptus leaf liquid and 20 numbered lima beans. One bag had only pure water and 20 numbered lima beans. Each bean was measured daily to observe the growth rates.</p> <p>Results The one bag of 20 numbered lima beans grown in pure water, grew an average of 2 centimeters longer, than the three bags of 20 numbered lima beans grown in eucalyptus leaf liquid.</p> <p>Conclusions/Discussion The project experiment conclusion is; Eucalyptus ideed, has a negative alleopathic effect on the growth of lima beans.</p>	
Summary Statement The project experiment was to test for any alleopathic effects of eucalyptus on the growth of lima beans.	
Help Received My Mom drove me to the garden nursery supply to purchase lima beans.	