



**CALIFORNIA STATE SCIENCE FAIR
2004 PROJECT SUMMARY**

Name(s) Jillia Fongheiser	Project Number J1607
Project Title Can Tobacco Leaves Be Used as an Alternative to Chemical Plant Fertilizers?	
Abstract Objectives/Goals This experiment was to determine if tobacco could be used as an alternative to chemical plant fertilizers. Methods/Materials 15 syngonium plants 11g of tobacco 750ml water for tobacco mixture 5ml of Miracle-gro fertilizer 5L water 1NPK/pH test kit Feed 5 plants fertilizer, 5plants tobacco mixture, 5 plants water every 2 weeks. Feed with tap water every week. Results Miracle Gro fertilizer was the best plant enhancer because it grew taller and more leaves. The tobacco fed plants grew taller on average than the water fed plants. The water fed plants grew more leaves than the tobacco fed plants. Overall, Miracle gro worked the best. Conclusions/Discussion For further experiments the entire tobacco plant should be used. The stem might have a greater sufficiency of NPK. Miracle gro could be tested against other fertilizers. Tobacco may not be the best fertilizer for the syngonium plant but it might work better on other house plants.	
Summary Statement To see if tobacco could have a positive use as a plant fertilizer.	
Help Received My mother boiled the tobacco mixture.	