



**CALIFORNIA STATE SCIENCE FAIR
2008 PROJECT SUMMARY**

Name(s) Kathryn R. Canepa	Project Number J1706
Project Title Fertilizer and Sweet Pea Growth	
Abstract Objectives/Goals The objective of my experiment was to find out what fertilizer made sweet peas grow the most. I believed that the two conditions treated with worm compost tea and regular water would grow the most. Methods/Materials I planted sweet peas in a soil mix and treated 6 different groups: plain water, worm compost tea, and four different fertilizers: nitrogen, phosphorus, potassium, and micro-nutrients. There were five plants in each condition. I measured the height three times and calculated the difference in centimeters. Results The peas treated with worm compost tea grew the most. Conclusions/Discussion My hypothesis was proven accurate. The measurements were close between worm compost tea and phosphorus fertilizer, and with more time for the peas to mature, a stronger conclusion might be reached. I learned that I cannot compare height if the plants are not the same height before I start to treat with different fertilizer.	
Summary Statement My experiment compared the growth of sweet peas treated with N-P-K, micro-nutrients, and worm compost tea.	
Help Received Mother helped me edit report	