



**CALIFORNIA STATE SCIENCE FAIR
2003 PROJECT SUMMARY**

Name(s) Jason A. Gomez	Project Number J1610
Project Title Stunned Growth	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals To see if plants can growth faster or slower in soil without microorganisms.</p> <p>Methods/Materials Materials: 36 zinnia seeds soil (unbaked) soil (baked to kill off microorganisms) cooking pan to bake soil in 6 pots oven</p> <p>Procedures: Baked half the soil to kill off the microorganisms then put the baked soil in three of the 6 pots. I then filled the other three pots with regular unbake soil. I put 6 seeds in each pot and water daily. recorded and measured daily</p> <p>Results The baked soil plants grew more than the regular soil plants.</p> <p>Conclusions/Discussion My hypothesis was wrong. The plants in the baked soil Grew faster than the plants in the regular soil because when I baked the soil the microorganisms died it converted the soil into fertilizer. For example, the indians used dead fish for the soil used to make corn and it helped them grow. Another example is compost such as manure, decomposing fruits and vegetables also help new plants grow. But after a few weeks this fertilizer effect dies out because the nutrients from the the fertilizer are used up. So at the end of the experiment the two plants started to level out in height. My hypothesis was wrong.</p>	
Summary Statement To see if plants could grow without microorganisms in the soil	
Help Received Mrs. Viveros helped me paint my board.	