

CALIFORNIA STATE SCIENCE FAIR 2012 PROJECT SUMMARY

Name(s) Lindsey B. Swall	Project Number
	J1932
Project Title Soil Microorganisms: Who Needs 'Em?	I
Objectives/Goals Abstract	
Soil may look like a bunch of dirt, but good quality soil is actua microorganisms, insects and worms. What type of benefit do th plant? I tested this by baking and freezing soil to try and steriliz hypothesized that, "If I plant 8 radish seeds in soil that has micr seeds in two other containers where the soil has been sterilized, in the unsterilized soil will grow better because of the microorg Methods/Materials I baked a sample of soil in 300 degrees for 2 hours. I froze soil planted the radish seeds in each of the three different soils; bake Results The soil that was untouched and full of microogganisms did mu plants grew faster, were fuller, taller and healthier.	hese microorganisms offer a growing ze it and kill the microorganisms. I roorganisms and is unsterile, and 8 radish then I predict that the radish seeds planted ganisms in the soil." in my freezer for 2 hours as well. I ed, frozen and non sterile soil.
Conclusions/Discussion I proved my hypothesis correct and learned that caring for soil a additives to keep the microorganisms thriving and healthy, is v	
Summary Statement	
Determining if soil microorganisms are crucial to the health of	a growing, thriving plant.
Help Received	

Mother helped type and edit report.