

## CALIFORNIA SCIENCE & ENGINEERING FAIR 2018 PROJECT SUMMARY

Name(s)	Project Number
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	38707
Project Title	
The Effects of Silver Nanoparticles on Radishes	
Objectives/Goals Abstract	
Test the silver nanoparticles found in silver nitrate to see if their antibacteria and/or bad effects on radishes.	n properties will have good
Methods/Materials	
Silver nitrate, water, two clay containers with five radish seeds in each, wat silver nitrate, the other was given water. Growth of radishes was analyzed.	er. One pot was watered with
Results U "	
Each radish was harvested and analyzed after four weeks. The radishes with healthier coloration, did not attract pests, and longer leaves. The plants that roots.	were given water had longer
Conclusions/Discussion	
After analyzing each radish and comparing them, it can be betermined that a of growing radishes can increase the quality of produce.	adding silver nitrate to the soil
$\sim$ $\checkmark$	
Summary Statement	
By watering some radishes with silver nitrate and some with water, we deter negative effects of silver nitrate on radishes.	rmined the positive and
Help Received My chemistry teacher explained some uses of silver nitrate and helped create nitrate that was needed. My group and I designed, conducted, and analyzed	