

CALIFORNIA STATE SCIENCE FAIR 2011 PROJECT SUMMARY

Name(s)	Project Number
Joanna E. Duchesne	
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	31888
Project Title	$\langle \rangle$
Radish Round-Up	
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	$\sim \sqrt{7}$
Objectives/Goals Abstract	
The goal of my Radish Round-Up science project was two-fold: to see if femili	iter aided the growth of
radish seeds; and to find out if organic compost or store-bought fertilizes had a	positive or negative effect
on the plants' growth.	
Methods/Materials	
Nine pots, divided into three groups, were planted with radish seeds. The cont without fertilizer. The store-bought fertilizer group had potting soil and sertilizer	rol group used potting soil
final group again used potting soil with homemade compost consisting of eggs	shells, coffee grounds, and
fruit and vegetable waste. I observed the growth of the plane for seven weeks	, taking measurements once
a week.	
Results	
After observing the plants, I compared results and found the plants with no fer	tilizer grew fastest,
sprouting first in Week 2, and to a height of 4 cm. The plants with store-bough topping off at 4.5 cm. The seedlings with homemade compost did not sprout d	luring the seven weeks of
observation.	turing the seven weeks of
$C_{\text{on abusians}}$ $N_{\text{integration}}$	
My hypothesis for the project was the three plants with homemade compost we strongest. My hypothesis was proved wrong by results. Hywever, www.howtpeels, potato skins, orange peels, dryer line and eggshells would provide the planutrients. To back this up, www.eartheasy.com website claims eggshells conta and carbon, fruit and vegetable scraps contain nitroger, and dryer lint contains especial parts of all fortilizers both scraps contain nitroger.	ould grow the fastest and
strongest. My hypothesis was proved wrong by results. Hywever, www.howt	ocompost.com stated apple
peers, potato skins, orange peers aryer fint and eggsnells would provide the pro-	ants with all necessary
and carbon, fruit and vegetable scraps contain nitroger, and dryer lint contains	carbon, all of which are
essential parts of an refunzers, both side-brught and nomenfade. Despite including an these ingredients	
in my compost, the plants that were grown with the rew the slowest. The webs	site
www.howtocompost.com also claimed that plants grown with homemade compost would grow healthier	
and faster than plants grown with synchetic fermizers. It was proved through my experiment that compost is not in fact better than sto	ra hought fortilizar
Homemade compost was the slowest and weakest group of plants grown. The plants grown with no	
fertilizer grew the fastest while the plants that received store-bought fertilizer g	grew the largest.
During my experiment, And one problem - I at first did not know what to put	in my compost. I
researched compost ingredients and many different options for the content of n	ny compost were given.
Overall, this project was fun, easy and a great experience.	
Summary Statement	
My project was designed to compare fertilizer, soil, and homemade compost of	luring the growth of radish
plants.	
Help Received	
My friend helped me plant my original pots.	