

CALIFORNIA SCIENCE & ENGINEERING FAIR 2018 PROJECT SUMMARY

Name(s)	Project Number
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	38325
Project Title	
Avocado Oxidation	\wedge)
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Objectives/Goals Abstract	
The objective of this study is to determine which method of avocado storage	results in the least amount of
avocado oxidation. Methods/Materials	
	stic wrap. Observed
15 avocado halves (some with pits left intact), lemon juice, olive and prediscoloration (i.e. oxidation level) of avocados treated with various substance	es to compare the most
effective method to prevent oxidation over a period of a couple days. Results	1
I observed the discoloration of avocado halves (pits removed) treated with	emon juice, olive oil and
I observed the discoloration of avocado halves (pits remove)) treated with) plastic wrap along with untreated avocado halves with pits left intect. The co	omparison showed that the
avocados with pits resulted in the least oxidation and discoloration.	
The pit method (leaving the avocado pit intact) was must efficient a keeping	g the avocado from
discoloring and oxidizing. This is most likley because the pit was already air	tight and embedded into the
avocado naturally with less overall exposed surface area to oxideze. Althoug	h I had thought that the
The pit method (leaving the avocado pit intact) was must efficient a keeping discoloring and oxidizing. This is most likley because the pit was aready air avocado naturally with less overall exposed surface area to oxidize. Althoug plastic wrap treatment would result in the least amount of oxidation, those are or less the same level of discoloration as the lemon juice and control group.	vocados chaca up with more
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Summary Statement	
I found that leaving ut avocado pit intact will result in the least the amount of	of avocado oxidation
compared to other treatment methods.	
Help Received	
I designed and organized the avocado experiment by myself. My teacher and	
which variables I might try to prevent oxidation. My mother helped me slice for observation.	e and organize the avocados