

CALIFORNIA STATE SCIENCE FAIR 2016 PROJECT SUMMARY

Name(s)	Project Number
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	36756
Project Title	
What Types of Nuts, According to their Calorific Values, Are Best to	
Store for Emergencies?	
Abstract	
Objectives/Goals	nuts up order to
determine which type is best for storage during emergencies.	
Methods/Materials	
Build the calorimeter from an aluminum sheet, grind and measure the nut samp and the initial temperature of the water, burn the nut samples, measure the end	here measure the amount
water.	g temperature of the
Results The difference between the initial and ending temperature of the vater way use	d in a specific formula to
determine the calorific value of each type of nut. Each type of nut preserved a d	listinctly different calorific
value.	
The pecans were found to have a greater calorific value than the other types of nuts, almost double of the	
nuts with the least calorific value, which proved that they can provide more energy to sustain a human	
during an emergency and storing them is a better phon.	
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Summory Statement	
I found that persons have the greatest calorific value and offered the best benifit	s when being stored for
emergencies.	0
Help Received	
I designed the calorimeter myself, had help from my father to build it, and conducted the experiments on	
my own.	