

CALIFORNIA STATE SCIENCE FAIR 2014 PROJECT SUMMARY

Name(s)	Project Number
Talar Kassabian	
	34690
Project Title	34090
Quest for Longevity	$\mathcal{M}($
Quest for Bonge (10)	. 0
Objectives/Cools Abstract	
Objectives/Goals The purpose of my project is to test if antioxidants can counteract the effects	of ree raticals.
Methods/Materials	(\bigcirc)
I will place 15 male flies in cultures with the different experimental concerns	ations of H2O2 only, acai
only, and concentration combinations of both, in addition to the control curtumy variables I will keep track of the dead flies on a daily basis.	re. To measure the effect of
Results	V
My results show that the hydrogen peroxide shortened the life span, while the	acai powder helped
lengthen the life span of the flies except for the highest condentration of addition. were combined the lifespan of the flies decreased in comparison to the control	When peroxide and acai
combination on 4.5% acai and 0.5% H2O2, but when compared to the difference	ent corresponding
concentrations of H2O2 the flies lifespan increased.	
Conclusions/Discussion According to my data it is clear show radicals do pecrease the life pan of fruit	t flies. According to my data
the flies with 1.5%, and 3% acai had longer lifesting, however the flies with	4.5% acai had shorter
lifespans, which rejects my hypothesis of all concentrations of acai being ben combination (4.5% acai+0.5% H2O2) had a longer lifespan than the control gr	eficial. Since only one
combination (4.5% acai+0.5% H2O2 (had a longer life pan than the control gr shorter lifespans, my hypothesis was rejected.	oups, while the rest had
shorter mespans, my hypothesis was rejected.	
Summary Statement	
Can anticxidant counteract the effects of free radicals.	
Help Received	
Teacher helped put project together; Mother helped handle flies; Father helped put together boar.	