

CALIFORNIA SCIENCE & ENGINEERING FAIR 2018 PROJECT SUMMARY

Name(s)	Project Number
Jules T. Hoang	
	38669
Project Title	(2)
The Effects of Temperature and Time on Bees on A. conditolia	
	$\sim \bigvee$
Abstract	
Objectives/Goals	
The purpose of this experiment is to observe and record the behavior of the t	met beet pollinate and
whether temperature and time affect the number of bees throughout the day.	Along with the behavior of
pollinating bees, to observe the ways of how invasive plant species there in through how much it#s pollinated. Because bees have been in detrimental pol	ou et on decline, my
experiment can provide useful information to the favorable pollination condition	ions of these key species.
Methods/Materials	
A. cordifolia	
Canon HF200 Olympus D5	
Tripod	
Results	
The result of recording the flowers and observing the usects was temperature of the amount of bee activity. However, not being dramatic because of the ch	e definitely having an effect
of the amount of bee activity. However, not being dramatic because of the ch	aparral environment. In
addition, 12pm-1pm resulted in the most bee activity.	
After filming A. cordifolia for nine (a), I counted the number amount of bee	es that entered the screen for
each day. The higher the temperature of the day, the number of bees increased	d and the colder the day, the
each day. The higher the temperature of the day, the number of bees increased less. In addition, the times that the bees most favored was from 12-1pm, result	ting in the most amount of
bees.	
Summary Statement	
After filling a type of invasive species for 9 days, temperature and time do h	ave an effect on the number
of pollinating bees.	
Help Received	
Mr. Hunt: helped develop my project by giving me different species of plants I could've used.	