

School Name: Desert Academy

Team Number:

Team Members: Anna Hansen, Carmen Chamorro

Sponsoring Teacher: Mario Ruiz

Project Mentor: Stephen Guerin

The problem: The problem we're evaluating is the decline in new population due to pesticides.

Area of Science:

Biology/Ecology

Why this is important:

This is important because pollination is crucial to food production and bees are some of our most important pollinators.

What we hope to show (results we hope to obtain):

We hope to show that the decline is worthy of our attention and that by discontinuing the use of certain pesticides we can save the bee population.

Plan of Action/Methods (How we plan to work on it):

Using netlogo, we will design a model of bees moving among flowers, some containing a certain pesticide that is harmful to the bees, and reproducing a certain amount of times as they go along. As the bees go to the contaminated flowers, they will die.