



**CALIFORNIA STATE SCIENCE FAIR
2004 PROJECT SUMMARY**

Name(s) Shayna Asher-Shapiro; Tess J. Morrison	Project Number J1901
Project Title Adios Ants	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The purpose of our experiment was to determine which types of non-toxic natural substances repel ants most efficiently without killing them. Our hypothesis was that substances with a strong taste or smell would repel ants most effectively.</p> <p>Methods/Materials We set up two pieces of cardboard with five piles of sugar (one in each of the four corners and the center) we surrounded all eight piles of sugar that were in the corners with either, cinnamon, lemon juice, chalk, bay leaves, ground sage, cream of tartar, ground chili pepper, or salt. The two center piles we didn't do anything to. This showed that if the ants disliked the repellents enough, they would take the trouble to go all the way to the center to get at the plain sugar.</p> <p>Results We found out that they disliked cinnamon and ground chili pepper ward off ants most effectively.</p> <p>Conclusions/Discussion We were correct in thinking that substances with either strong cents or smells or most efficient.</p>	
Summary Statement Its about a natural way to repel ants.	
Help Received Mr. Steely for giving us advice, Kelsey Cervine for lending us her ant invested yard, and our parents for helping us get all of the materials we needed.	