



# CALIFORNIA STATE SCIENCE FAIR 2015 PROJECT SUMMARY

<b>Name(s)</b> <b>Kaitlin A. Dean</b>	<b>Project Number</b> <b>J2204</b>
<b>Project Title</b> <b>It's a Colorful World: How Choosy Are Insects about Color?</b>	
<div><div><b>Objectives/Goals</b> The purpose of my project is to determine what color insects are most attracted to: white, red, orange, yellow, green, or blue. The reason I am doing this investigation is to discover if having certain colors in my home and in my garden will be likely to attract or deter insects.</div><div><b>Methods/Materials</b> Place 1 bowl of each color (white, red, orange, yellow, green, and blue) in 5 predetermined random locations. Fill each bowl with water and several drops of dish soap, and leave undisturbed for 2 days. Collect the bowls and with an eye dropper, remove, count, and sort the trapped insects in each bowl. Analyze and graph the data to determine which color insects prefer.</div><div><b>Results</b> The results indicate that yellow attracts more insects than the other 5 colors that were tested. Out of the 2,207 insects that were trapped in the 30 bowls, White attracted 5.7%, Red attracted 4.2%, Orange attracted 22%, Yellow attracted 51.3%, Green attracted 7.2%, and Blue attracted 9.6%.</div><div><b>Conclusions/Discussion</b> After completing my investigation on what color insects are most attracted to, I found that my hypothesis was incorrect. My hypothesis stated that white would attract the most insects. Instead, I found that only 5.7% of the insects that I trapped were attracted to the color white. Yellow was actually the color that attracted the most insects (51.3%). Red, white, blue, and green were not significantly different in the number of percent of insects trapped; however, orange and yellow trapped quite a bit more insects. After my investigation, I would recommend avoiding the color yellow unless you are trying to attract a lot of insects.</div></div>	
<b>Summary Statement</b> The purpose of my project is to determine what color insects are most attracted to: white, red, orange, yellow, green, or blue.	
<b>Help Received</b> No outside help.	