



**CALIFORNIA STATE SCIENCE FAIR
2012 PROJECT SUMMARY**

Name(s) Sean Rhoades; Devin Walker	Project Number J1927
Project Title Bug-a-licious	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals Many different insects are used as food for reptiles, birds, and carnivorous plants. Which are the most nutritious for Sundews? To find which feeder insect is the most nutritious to Sundews.</p> <p>Methods/Materials Fifteen Sundews, small crickets, small mealworms, small Guyana Spotted Cockroaches, and caught spiders to feed to the Sundews. We then measured all the Sundews both radius and weight. Each day we fed and water the Sundews, always making sure the sun lamp was on all day and off all night. We measured each insect into one by one centimeter pieces. We took good notes each day. Once a week we measured and weighed each Sundew. We did this for forty-two days. Then we compared the growth and charted or graphed results to find out which was the most nutritious insect to feed the plants.</p> <p>Results The Guyana Spotted Roach or lime group had the most growth with .4 centimeters. Coming in second was Mealworms or green group with a total growth of .3 centimeters. Third were crickets or black with a total growth of .2 centimeters. The grey group or spiders and control group had the same growth of .1 centimeters.</p> <p>Conclusions/Discussion We find it funny that every year we do this project a different insect wins. This proves that my dropping of the Cricket fed Venus Fly Trap terrarium was not a factor in my first project. Also that ensuring that each Sundew receives an equal amount of food did not have an effect on our results. We believe if we were to continue this project and improve it, we would also do a bare root weight at the beginning and end of the project, we would also use a different type of Sundew to see if that will change the results.</p>	
Summary Statement Which insect is most nutritious for Sundews.	
Help Received Our mothers helped with the display board; our fathers helped with feeding the Sundews.	