



**CALIFORNIA STATE SCIENCE FAIR  
2011 PROJECT SUMMARY**

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<b>Project Title</b> What Material Attracts the Most Flies?	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> My goal is to find the material that attracts the most flies.</p> <p><b>Methods/Materials</b> In order to determine the attractions of house flies to certain materials potentially used for fly bait development, a portable and efficient test system was developed for the first time. Flies were provided with the choices of various organic matters which can usually be found in urban residential areas, except rotten chicken liver which mainly stands for dead animals.</p> <p><b>Results</b> It was found that rotten fruits attracted the most flies as compared with other materials tested.</p> <p><b>Conclusions/Discussion</b> House flies play an important role in disease transmission by feeding on microbial sources from their habitats. Disease agents could also travel with flies if they get stuck on their limbs and other body parts, so fly control is significantly necessary. House flies like to eat rotten fruits and feces, or anything with decaying matters, carbohydrates, and microbes. In this project, rotten fruits attracted the most flies and good to be used for fly bait.</p>	
<b>Summary Statement</b> This project will identify which material attracts the most flies and potentially good to be used for fly bait in fly control.	
<b>Help Received</b> Air pump and air vacuum system were supplied by Dr. Alec Gerry's lab, Department of Entomology, UC Riverside.	