



**CALIFORNIA STATE SCIENCE FAIR
2014 PROJECT SUMMARY**

Name(s) Eliza K. Lyday	Project Number 34242
Project Title Cotton: Got Soil?	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals My objective was to determine which type of soil would best promote growing cotton</p> <p>Methods/Materials I used four very different types of soil (dirt from a dormant cotton field, dirt from a river bottom, Miracle Grow potting soil and vermiculite) and filled 11 growing tubes of each soil (44 in all), making sure to scatter the samples in a tray that held the tubes so as to obtain a random sampling. I then watered and measured daily to compare how the cotton grew in each soil.</p> <p>Results After averaging my data, I came to the conclusion that the soil from the river bottom grew the overall tallest plants.</p> <p>Conclusions/Discussion After reaching my conclusion, I found that my hypothesis was correct. I learned that cotton is not only a fast-growing plant, but it is also a large part of our economy.</p>	
Summary Statement My research project determined which of four very different soils would grow the tallest cotton plants	
Help Received Borrowed growing equipment and consulted with Treanna Pierce at Shafter Cotton Research Station	