

CALIFORNIA STATE SCIENCE FAIR 2014 PROJECT SUMMARY

Name(s) **Project Number** Ivann U. De la Cruz 34780 **Project Title** A Cactus' Worst Enemy: Cochineal **Abstract Objectives/Goals** The objective is to find an efficient mixture that can protect cacti from being p . Wild Grana Cochineal for the longest amount of time. Methods/Materials I washed different cacti every 15 days using only the mixture corresponding to the cactus. The mixtures used were: a mix of different chilies, alcohol and soap, garlic ext ract juice, or gano tea, and Spectracide. I also used different sized brushes to facilitate the cleaning of the cast The alcohol and liquid soap mixture protected the cacti against the Wild Chana Cochineal for the longest amount of time, along with the oregano tea. The least effective were the hili mix and garlic extract/juice. **Conclusions/Discussion** The alcohol and liquid soap were the most effective nextures at keepi g the cacti from being plagued by the cochineal. **Summary Statement** tects cacti from cochineal. Find what mixture p **Help Received** Mother helped wash cacti, short interview with Professor Gregory Walker