



**CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY**

Name(s) DeeAnn J. Kroeker	Project Number J0616
Project Title Gypsum's Effect on Soil Drainage	
Abstract Objectives/Goals The objective of my project was to find out how much gypsum would help my dad's soil drain water better. Methods/Materials I used three liter bottles with the bottoms cut off and cloth fastened at the necks of the bottles. The samples contained; ten cups soil and one cup gypsum (10:1), ten cups soil and two cups gypsum (10:2) and five cups soil and five cups gypsum (5:5). I poured one cup of water in the bottles each day and let drain for 24 hours. I repeated this process for five days, each day recording the water amount that had drained. Results My results concluded that the 10:1 mixture (soil and gypsum) drained the most water. Conclusions/Discussion My research indicated that too much gypsum could actually have the opposite effect on drainage. This was what happened with the sample that had the most gypsum in it.	
Summary Statement My project is about using gypsum as a soil ammendment for water drainage, determining how much of it is needed for the maximum benefit.	
Help Received My dad helped me get my supplies and find research materials.	