



**CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY**

Name(s) Michelle A. Craig	Project Number 22389
Project Title Sow, How Fast Can You Grow? Seed Germination in Different Soils	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals My objective is to find which soil will germinate corn and barley seeds the fastest: sand, native Kern County soil, clay, or potting soil. I believe that native Kern County soil will grow corn and barley seeds the fastest.</p> <p>Methods/Materials Four different soils: sand, native Kern County soil, clay, and potting soil, corn and barley seeds, one planter, and water. I planted each type of seed in the different soils, watered them daily, and measured how long it took for each seed to germinate.</p> <p>Results The sand took 197 average hours to germinate seeds, the native Kern County soil took 214.9 average hours to germinate seeds, clay took 213.5 average hours to germinate seeds, and potting soil took 210.7 average hours to germinate.</p> <p>Conclusions/Discussion My hypothesis was wrong, the native Kern County soil was the slowest soil in germinating seeds, sand was the fastest.</p>	
Summary Statement My project is about how fast seeds can germinate in different soils.	
Help Received My parents helped me gather the supplies, my father showed me how to plant the seeds, and my father also showed me how to use the graphing program.	