



**CALIFORNIA STATE SCIENCE FAIR  
2002 PROJECT SUMMARY**

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| <b>Name(s)</b><br><b>Michelle A. Craig</b>   | <b>Project Number</b><br><b>J1607</b> |
| <b>Project Title</b><br><b>Sow, How Fast Can You Grow? Seed Germination in Different Soils</b>   |                                       |
| <p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b><br/>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><b>Methods/Materials</b><br/>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><b>Results</b><br/>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><b>Conclusions/Discussion</b><br/>My hypothesis was wrong, the native Kern County soil was the slowest soil in germinating seeds, sand was the fastest.</p> |                                       |
| <b>Summary Statement</b><br>My project is about how fast seeds can germinate in different soils.   |                                       |
| <b>Help Received</b><br>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.   |                                       |