



**CALIFORNIA STATE SCIENCE FAIR
2013 PROJECT SUMMARY**

Name(s) Jenna R. Murphy	Project Number J0807
Project Title Effects of Different Irrigation Methods on Various Soil Types	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals My objective was to find the effects of different irrigation methods on various soil types.</p> <p>Methods/Materials Using three different soil types; clay, sandy, and loam, and three different irrigation methods, grass was grown from seed. Each soil type was used with each irrigation method which made up nine separate containers of grass. The growth was measured and recorded weekly. The containers were irrigated every other day using the irrigation method specific to each container.</p> <p>Results The most growth was surface drip irrigation in sandy soil. The grass in this container grew to 17 cm. The least growth was subsurface drip irrigation and traditional irrigation both with loam soil. The grass in these containers grew to 11 cm.</p> <p>Conclusions/Discussion I found my hypothesis was partially correct. My hypothesis stated that the clay soil would work the best with surface drip irrigation. My data suggests that consideration of soil type is an important part of gardening.</p>	
Summary Statement The purpose of my experiment was to determine the most efficient irrigation method for certain soil types.	
Help Received	