



**CALIFORNIA STATE SCIENCE FAIR  
2002 PROJECT SUMMARY**

<b>Name(s)</b> <b>Jaclynn A. Soares</b>	<b>Project Number</b>  22049
<b>Project Title</b> <b>H2O or H2moo? Will a Feed Crop Grow Better Irrigated with Ground Water, Dairy Lagoon Water, or a Combination of Both?</b>	
<b>Abstract</b> <b>Objectives/Goals</b> My objective was to determine if a feed crop would grow better if it was irrigated with ground waterx dairy lagoon water, or a combination of both. I believe that the dairy lagoon irrigated crop will grow best because it has natural nutrients and fertilizers. <b>Methods/Materials</b> Two different sets of testing were performed on rye crop using ground water, dairy lagoon water, andx 50/50 combination of both. To determine which one grew better, I measured the blade height and visually rated the thickness daily for nine days. <b>Results</b> Although the difference wasn't significant, the dairy lagoon irrigated rye crop had more thickness ax blade height than the ground water or the 50/50 combination. <b>Conclusions/Discussion</b> My conclusion is that dairy lagoon water is a possible alternative for irrigating crops on a dairy. This would recycle and conserve precious water resources.	
<b>Summary Statement</b> My project tests whether feed crop grows better irrigated with ground water, dairy lagoon water, or a combination of both.	
<b>Help Received</b>	