



**CALIFORNIA STATE SCIENCE FAIR  
2010 PROJECT SUMMARY**

<b>Name(s)</b> <b>Rebecca L. Wheeler</b>	<b>Project Number</b> <b>J2133</b>
<b>Project Title</b> <b>It's a Hair Affair</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> My project was to determine if the following products and minimal grooming would make horses' tails grow faster than the tails of horses not maintained with these products: Cowboy Magic shampoo and conditioner MTG Nutraflax</p> <p><b>Methods/Materials</b> First I bought the materials. Then every two weeks I would wash the experimental group of horses' tails with Cowboy Magic shampoo and conditioner. Then I put their tails in tailbags. Once a week I put MTG on those tails. The experimental group horses were given Nutraflax daily. The tail growth of the horses in the experimental group were compared to those in the control group every two weeks.</p> <p><b>Results</b> The horse tails in the experimental group grew at a faster rate than those in the control group.</p> <p><b>Conclusions/Discussion</b> My hypothesis was correct. The data indicated that the horses' tails in the experimental group grew faster than the tails in the control group. The nutrients in the Nutraflax likely stimulated hair growth and the conditioner, minimal grooming and the use of tailbags prevented breakage.</p>	
<b>Summary Statement</b> My project addresses a successful strategy for increasing the growth rate of a horse's tail.	
<b>Help Received</b> My parents bought the materials, edited my report, helped put my display board together and provided transportation.	