**Young Nebraska Scientist Final Project Summary**

I was very engaged in this project. I was excited when I got the email that I was accepted for this project. I always took care of my plot, I watered it everytime it needed water and I tried to keep the weeds well maintained. Throughout the summer I got very busy and I wasn’t able to keep up on taking the records of the heights. I was able to water it and pull weeds everyday. Then at the end of the project I was very engaged. I liked digging up the roots and collecting the samples. However the lab part was a lot of work. I had to learn to use a pipet pump and other necessary tools because I haven’t done anything like this before. But after I got the experiment all done which took me about two evenings it was very exciting to watch the bacteria grow in the petri dishes. I have only seen this done before, I haven’t done something like this before so it was a good learning experience. It surprised me how long it took before the bacteria would grow on the petri dishes that lacked nitrogen. The dishes that had nitrogen grew bacteria overnight while the ones without took a couple days. But I did notice a pattern the more diluted the longer it took for the bacteria to start growing and less bacteria grew. This has definitely impacted my future career choices. I don’t think I could work in a lab everyday as my daily job. Although it was very cool I just don’t think it's a good fit for me. I have never done something like this before so I didn’t know whether I would like it or not. This project showed me that I couldn’t see myself doing that but I could see myself growing the plants and harvesting them. Overall I was pretty engaged in this project and I enjoyed it and it has impacted my future career choices.