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Snowy Situation

My project is called “Snowy Situation”. I was trying to see what type of snow fence would be the best at keeping snow from accumulating on the roadway and allowing families to have safer road travels. The first thing I did was I had to come up with a control. I had to find out how to make “snow” blow onto a roadway so that I could measure the accumulation. During my research I found that I could use cascade dish washing detergent to simulate snow. I used the exhaust part of a vacuum to blow the “snow” toward the road. After measuring the average amount of snow fall on the road during the control, I started with the different snow fences. The first snow fence made out of popsicle sticks simulated a permanent snow fence. The second snow fence, a row of flat toothpicks, simulated a temporary snow fence. The third snow fence, a living tree snow fence, was made out of clipped branches off of our Christmas tree. During each experiment I “blew” the “snow” across the roadway. Each time I measured the mass and volume of snow fall. Even visually I could see that the living vegetation snow fence was best for keeping snow off the roadway. The unprotected roadway had an average of 15.2 grams of snow while the living vegetation snow fence had an average of 0.51 grams of snow. Yes, snow fences help keep snow accumulation off of roadways and safer for travel.