

CWSF 2018 - Ottawa, Ontario



Lyza Ells

Roadside Vegetation: It's Not Easy Being Green

Challenge: Environment

Category: Intermediate

Region: Strait

City: Brierly Brook, NS

School: Dr. John Hugh Gillis Regional School

Abstract: In a previous project, I determined that specific solutions of road salt and sugar would be comparably efficient as a de-icer and less corrosive than road salt alone. In this project, I assessed the effects of several combinations of sugar and salt on grass, the vegetation affected by using de-icers on roads. I concluded that the same aforementioned solutions would also be beneficial for grass.

Biography

I am a grade 10 student at Dr John Hugh Gillis Regional High School. I am a member of my school concert band and stage band, and also perform in musicals. I enjoy math, science, reading, and knitting. I recently traveled to Ottawa to create a draft of the Canadian Children's Charter of Rights and Freedoms with the organization Children First. I am considering a career in mechanical or civil engineering. The purpose of my project was to assess the effects of different combinations of sugar and road salt as de-icers on roadside vegetation. I was inspired to do this project by hearing about all the negative effects of road salt on our environment. If I were to continue this project, I would like to assess the effects of sugar and road salt on aquatic life, as de-icers inevitably run off into lakes and rivers. My advice to anyone thinking about doing a project is to find an everyday problem and try to solve it. Don't stop until you've found out what you want to know!

Youth Science Canada
PO Box 297
Pickering ON L1V 2R4
www.youthscience.ca / info@youthscience.ca
416-341-0040