

CWSF 2010 - Peterborough, Ontario



Josie Mielhausen

Grounds for Change

Division: Health Sciences

Category: Intermediate

Region: Bluewater

City: Lion's Head, ON

School: Bruce Peninsula District S.S. & E.S.

Abstract: Refraction tests were conducted to quantitatively and qualitatively investigate the highest quality produce from certified organic and conventional production systems. T-tests were completed to demonstrate the statistical difference in brix (%) of certified organic and conventional products. Experiments were conducted to determine the active organic matter, active carbon and soil fertility in soil samples from certified organic and conventional test sites.

Biography

My name is Josie Mielhausen and I am a grade 9 student at Bruce Peninsula District School. I live in Lion's Head Ontario, which is part of the Niagara Escarpment surrounded by the waters of Georgian Bay and Lake Huron. I live with my family on a beef farm. I represent my school by competing in cross-country running, badminton, golf, volleyball, tennis, Nordic skiing, track and field, Envirothon, public speaking and Science and Technology fairs. Over the years, I have earned one bronze and five gold medals, as well as numerous special awards when competing in Science Fairs. This is my third CWSF; I have achieved an honorable mention and bronze medal with my previous projects. I am a member of the Bruce Peninsula Environmental Group and the Lion's Head Transition Town. I work as a dental assistant at the North Bruce Dental office. In the summer I enjoy swimming, kayaking, canoeing, boating, tubing and jet skiing. I enjoy reading, traveling and attending school. I love spending time with my friends and family.

Awards

Value

Honourable Mention - Earth & Environmental Science - Intermediate Sponsor: Suncor Energy Inc.	\$100
Total	\$100