

CWSF 2010 - Peterborough, Ontario



Elise Tessier

Can Stress Bring Out The Best?

Division: Life Sciences

Category: Senior

Region: Annapolis Valley

City: Berwick, NS

School: West Kings District High School

Abstract: Spinach was grown under different light intensities and durations to determine if bioactive compounds can be enhanced, without compromising crop yield. Results concluded bioactive levels can be positively affected without decreasing quantity. Findings could potentially lead to tailoring plants to combat many diseases, including some cancers. Some bioactive compounds, including those with antioxidant functions, could be increased for the needs of specific populations.

Biography

I attend West Kings District High School, in Nova Scotia. I participate in many activities in my school and in my community. I enjoy all sports including hockey and ballet. During the school year, I work at an after school program for elementary aged students. The arts are also an important part of my life. I volunteer as a Special Olympics swim coach. This will be my fifth and final CWSF. In past years, I have won several awards. I am looking forward to visiting Peterborough. I love to travel and I am looking forward to teaching French and science in Switzerland again this summer. I recently was awarded the Toyota Earth Day Scholarship. Next year, I will be attending university to study science.

Awards

Value

Awards	Value
The Actuarial Foundation of Canada Award - Senior	\$1 000
The Manning Innovation Achievement Award Sponsor: Ernest C. Manning Awards Foundation	\$500
Dalhousie University Faculty of Science Entrance Scholarship Senior Gold Medallist - \$4000 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	\$4 000
UBC Science (Vancouver) Entrance Award Senior Gold Medallist - \$4000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$4 000
University of Ottawa Entrance Scholarship Senior Gold Medallist - \$20,000 Entrance Scholarship (\$5,000 each year for 4 years) Sponsor: University of Ottawa	\$20 000
The University of Western Ontario Scholarship Gold Medallist - \$4000 Entrance Scholarship Sponsor: University of Western Ontario	\$4 000
Gold Medal - Life Sciences - Senior Sponsor: Pfizer Canada	\$1 500
Total	\$35 000