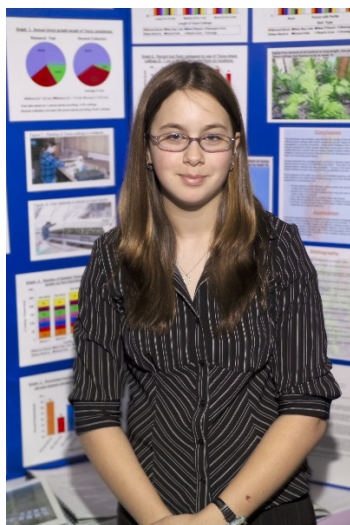


CWSF 2005 - Vancouver, British Columbia



Cayley Linehan

Taxes a Pain! Taxus a Cure!

Division: Biotechnology

Category: Junior

Region: Central Newfoundland

City: Grand Falls-Windsor, NL

School: Grenfell Intermediate School

Abstract: Taxus canadensis domestication was initiated using native Newfoundland sources. This shrub contains paclitaxel, a chemical used to treat cancer patients. Winter propagation by rooted cuttings was evaluated. Effects of genetic material, soil type, shoot age and length were analysed. Bud flush was examined as a predictor of future rooting success.

Awards	Value
Agriculture and Agri-Food Canada Award - Junior Sponsor: Agriculture and Agri-Food Canada	\$500
Genome Canada Awards - Junior - Third place Sponsor: Genome Canada	\$250
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Biotechnology & Pharmaceutical Sciences - Junior Sponsor: Rx&D Health Research Foundation	\$700
Total	\$2 950