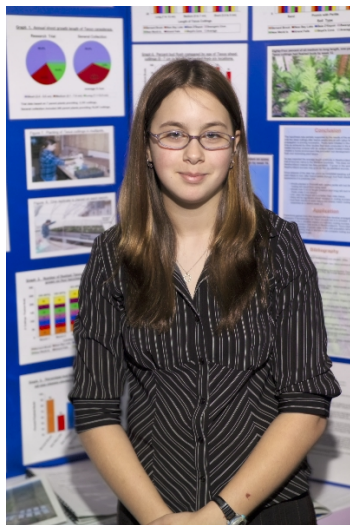


# CWSF 2005 - Vancouver, British Columbia



## 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