

# CWSF 2011 - Toronto, Ontario



## Nicholas Carverhill

### Evaluation of broadleaf weed control using the fungus *Phoma macrostoma*

**Challenge:** Environment

**Category:** Senior

**Region:** Saskatoon

**City:** Saskatoon, SK

**School:** Walter Murray Collegiate

**Abstract:** *Phoma macrostoma* has demonstrated efficacy in killing dandelion, but its host range and crop tolerance have not been fully evaluated. As commercial and residential usage of chemical herbicides decline, a unique niche has been created for natural herbicides.

#### Biography

Nicholas has been an avid scientist since elementary school; competing and winning at the Canada Wide Science Fair and Sanofi Aventis BioTalent Challenge. He is an active debater, a member of the Canadian National Team and will be competing at the world championships this summer. Apart from science and debate, he is a dancer, studying ballet, lyrical, and is an understudy in the professional Ukrainian dance troupe, Pavlychenko Folklorique Ensemble. Nicholas is also a trumpet player, hockey player, football enthusiast, cross country runner, and the student leader of his high school's Human Rights club. He is bilingual, with his first language being French, and coaches a French elementary debate club. His academic interests include science, political studies, international relations, and history. In his spare time, he enjoys good movies, baking, reading, hanging out with friends, and volunteering as a mentor to young male dancers.

#### Awards

#### Value

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|---|----------------|
| Excellence Award - Senior - Bronze Medal<br>Sponsor: Youth Science Canada   | \$300          |
| The University of Western Ontario Scholarship<br>Bronze Medallist - \$1000 Entrance Scholarship<br>Sponsor: University of Western Ontario | \$1 000        |
| University of Ottawa Entrance Scholarship<br>Senior Bronze Medallist - \$1000 Entrance Scholarship<br>Sponsor: University of Ottawa       | \$1 000        |
| <b>Total</b>  | <b>\$2 300</b> |