

# CWSF 2011 - Toronto, Ontario



## Julia Grein

### How Does Your Garden Grow?

**Challenge:** Environment

**Category:** Intermediate

**Region:** Bluewater

**City:** Durham, ON

**School:** John Diefenbaker S.S.

**Abstract:** This project studied the practices of over 100 vegetable gardeners in the Municipality of West Grey, Ontario. An in-depth survey of each gardener was completed. A total of 960 soil core samples were collected from their gardens. Soil analyses indicated that nutrient content was excessive. The project identified several factors, such as location, that if not managed properly, could have a negative environmental impact.

### Biography

My name is Julia Grein. I am fourteen years old, and in grade nine at John Diefenbaker Secondary School in Hanover, Ontario. My most enjoyable classes include math, science, and music, where I like to express my creativity. I am known by my peers for my participation in science fairs. In six years, I have received two bronze, two silver, and two gold medals from my Regional Science Fair. This year at the Regional Fair I also received the Agricultural Award and the Freddy Fusion Best of Fair Award. I have volunteered for community events such as the Durham Agricultural Fair and the cancer fund raiser, "Jake's Team." I have worked as a back stage manager for the Grey Bruce Singers, have obtained my Bronze Cross for swimming, and assist at my mother's small animal veterinary hospital. I am also a member of my school's grade nine band. Being involved in public speaking contests since grade two has also provided me with numerous awards. The opportunity to be a finalist at the CWSF is a goal I am proud to have achieved, and I know this experience will open doors for new opportunities and friendships.

### Awards

### Value

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