

## CWSF 2007 - Truro, Nova Scotia



### Mackenzie Landsburg

#### Does Microwaving Water Affect Plant Growth?

**Division:** Physical & Mathematical Sciences / None

**Category:** Junior

**Region:** Central Alberta

**City:** Water Valley, AB

**School:** Cremona School

**Abstract:** Seven water treatments were compared to determine whether the growth of barley would be effected when watered with microwaved, boiled and tap water. After growing the barley for three weeks the plant heights were compared using an analysis of variance. The results showed that at a 95% and 99% level of confidence there was no significant difference between the seven water treatments.

#### Biography

My name is Mackenzie Landsburg. I am 13 years old and in Grade 8 at Cremona School. I live on a ranch in the foothills of Alberta. On the ranch I ride my horse and help out with chores. I love sports and my favourites include basketball and track and field. Outside of school I like to hang out with my friends and listen to music. Since kindergarten, I have participated and won awards every year in Science Fair. In 2006 and 2007 I won Gold Medal and Best of Fair at my school science fair, the county science fair and at the regional science fair. Last year I went to the CWSF in Saguenay, Quebec, and loved it. After graduation I plan to go to university to get a Ph.D. in Aeronautical Engineering.

#### Awards

#### Value

Honourable Mention - Life Sciences - Junior	\$100
Sponsor: Pfizer Canada	
Total	\$100