

# CWSF 2013 - Lethbridge, Alberta



## Sow With Gypsum; Grow With Gypsum

**Challenge:** Resources

**Category:** Intermediate

**Region:**

**City:** ,

**School:**

**Abstract:** Traditionally, soil is made fertile by using fertilizer and/or manure. This project explores using gypsum as a soil conditioner to enhance plant growth. Various plants were grown with gypsum, manure, and fertilizer, and heights were compared. Water runoff samples were tested for pH and nitrogen levels. It was concluded that using gypsum as a soil conditioner is an environmentally friendly alternative to using traditional fertilizers!

Awards	Value
Challenge Award - Resources - Intermediate Sponsor: Youth Science Canada	\$750
Excellence Award - Intermediate - Silver Medal Sponsor: Youth Science Canada	\$300
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
<b>Total</b>	<b>\$3 050</b>