

# CWSF 2007 - Truro, Nova Scotia



## Kenny Martens, Scott Yargeau

### Poop Power

**Division:** Biotechnology / None

**Category:** Junior

**Region:** Fraser Valley

**City:** Abbotsford, BC

**School:** Barrowtown Elementary

**Abstract:** The experiment's purpose was to produce a methane rich biogas using an anaerobic digestive system. The anaerobic process begins when manure (or any other organic material) is heated in an oxygen free environment. After five days of anaerobic digestion, it produced a methane rich biogas that could be burned in a clear flame. This process can be used to effectively reduce farmer's fuel prices.

### Biographies

Kenny - My name is Kenny Martens. There are six people in my family I have three sisters, a mom and a dad. I live on a poultry farm in Abbotsfor B.C. I enjoy sports, especially hockey. I play the piano and the saxophone. I have a dirt bike and like to ride on our property. I like to travel and see other places in Canada. I enjoy nature and special fishing trips with my father. He likes to teach us kids about the world around us and facinating things about nature. I heard my father talking about how he could come up with ways to reduce costs on our poultry farm. He has looked at alternate energy systems to heat the barn and reduce heating costs. That

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Scott - My name is Scott Yargeau and I'm in grade seven at Barrowtown Elementary School in Abbotsford, British Columbia. I volunteer for a lot of school activities including our school basketball team, volleyball team, and coming up soon, the track and field team. As you can see, I enjoy sports, a lot! I also volunteer for various jobs around the school including cleaning the hallways and cleaning the attic. The only community activity I do is cross-country running, a four round series that I do annually. My favourite hobby is supercross/motocross. I do one series called Future West Arenacross, which takes place every year at the Chilliwack Heritag...

### Awards

### Value

Honourable Mention - Biotechnology & Pharmaceutical Sciences	\$100
Junior Sponsor: Rx&D Health Research Foundation	
<b>Total</b>	<b>\$100</b>