

## CWSF 2017 - Regina, Saskatchewan



### Spencer Sealy

#### Plants vs. Pollution: The Effect of Airborne Pollutants on Plant Matter

**Challenge:** Environment

**Category:** Junior

**Region:** 4-H Canada

**City:** Lutes Mountain, NB

**School:** Magnetic Hill School

**Abstract:** This project tested commonly found air pollutants on bean plants. I collected pollution from a 2011 Dodge Ram 1500, 2010 L3540 Kubota Tractor, 1983 Honda 200cc ATV, 1976 Ford 2600 Tractor and wood smoke from our chimney. I exposed 29 day old plants to all of these pollutants for 30 minutes a day for three consecutive days. The plants were observed for the following seven days.

#### Biography

My name is Spencer Sealy, and I am a grade 7 French immersion student at Magnetic Hill School. I live in Lutes Mountain New Brunswick with my older brother and my parents. Our family owns a small farm with beef cows, horses, chickens and strawberries. Some of my hobbies include, hockey, baseball, fishing, four wheeling and snowmobiling. I am part of the Irishtown 4H Club which is how I am able to participate in this years CWSF. I was the first New Brunswicker to attend the 4H Canada Science Fair. When I am older I would like to become a vet, or take another path in agriculture. The inspiration for my project was the observation of seeing some tall grass die off from pollution from an old lawn tractor my dad was driving. My advice to other students about doing a project, would be if you have a question about something you saw, find the answer with science.