

CWSF 2009 - Winnipeg, Manitoba



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Ultraviolet Damage to Canola Plants: Macroscopic and Microscopic Observations

Division: Physical & Mathematical Sciences / None

Category: Senior

Region: Southeast Saskatchewan

City: Avonlea, SK

School: Avonlea School

Abstract: We explored the effects of ultraviolet light on canola plants. We grew a control and a UV exposed sample. We took our research to the Canadian Light Source in Saskatoon and observed macroscopic and microscopic differences between the two samples. Exposed plants were shorter, with curled leaves, and opened stomata. Our results showed that UV light does affect canola plants.

Biographies

Matthew - I am a grade 12 student from Avonlea School. In school I am involved in golf, volleyball, badminton, and drama. I also play hockey and baseball. This year I was asked to coach the junior boys volleyball team and did so. I also was part of a Youth Enviro-Action Group. I was asked to give a presentation on fishing at a youth leadership conference and since then have been asked to give the presentation at another school. My hobbies include: fishing, hunting, hiking, camping, and sports. My interests are: outdoors, biology, physics, chemistry, geography, history, and health. I have been accepted into the Faculty of Science at the U of R and will ...

Jenna - I am a grade eleven student from Avonlea School. Within my school I play on many sport teams including the volleyball, badminton, track and curling teams. I am also the vice secretary of the Student Leadership Council. I enjoy school and most enjoy science and math classes. I obtain the highest average in my grade as well. After high school I want to achieve my degree in arts and sciences then apply for pharmacy. In my spare time I like play hockey, football, lacrosse, and baseball, and I also enjoy working on my family farm. I am a strong leader and have been captain of many sport teams. I am a very dedicated in everything that I do.

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