

CWSF 2015 - Fredericton, New Brunswick



John Burns Duynisveld

Are There Differences in How Lettuce Genotypes Respond to Light Sources?

Challenge: Resources

Category: Intermediate

Region: Chignecto East

City: Wallace, NS

School: Pugwash District High School

Abstract: The effect of lettuce genotype and lighting source was studied. Five genotypes of lettuce were planted under either LED or fluorescent lights. There were significant genotype by light source interactions noted in 25 day leaf counts and leaf size. There were significant colour differences in the leaves. There were interesting trends in chlorophyll levels. Lettuce genotypes perform differently under fluorescent and LED light sources.

Biography

I'm John Burns Duynisveld. I'm in grade 10 at Pugwash District High School, where my favorite subjects are math and science. This is my 3rd CWSF, and I am very much looking forward to CWSF 2015! In the winter, I curl and ski. In the summer, I golf and run. I enjoy music and video games year round. I have been a 4-H member for 7 years, taking a variety of projects, up to provincial level. After high school, I plan to study to be research scientist.

Awards

Value

Excellence Award - Intermediate - Bronze Medal Sponsor: Youth Science Canada	
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 000

