

Name Mark Lefsrud

Current position Assistant Professor
Appointment date June 1, 2007



Photograph (optional)

Website: <http://www.mcgill.ca/agreng/staff/lefsrud/>

Contact

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Expertise and Innovations

- Background in Bioresource Engineering and Plant Sciences.
- Conducting research using mass spectrometry to determine protein expression in microorganisms and higher organisms.
- Further research is investigating methods to improve microbe and plant growth in both controlled environments and field conditions focusing on nutrient delivery systems and light systems.
- Information gathered from measuring the stress responses of organisms allow for improved development of the growing system.

Qualifications

- Ph.D. in Plants, Soils, and Insects, Horticulture. May 2006 University of Tennessee, Knoxville, TN Dissertation: Environmental manipulation to increase the nutritional content in leafy vegetables.
- M.S. in Engineering, Bioresource Engineering. October 2001 Rutgers University, New Brunswick, NJ Thesis: Design and testing of nutrient delivery systems and plant procedures for use in the salad machine.
- B.S. in Engineering, Agricultural Engineering, May 1997 University of Saskatchewan, Saskatoon, SK, Canada Specialized in construction and building environments.
- Organic production of fruit and vegetables short course. Knoxville, TN, February 24, 2005.

Other Interests

Memberships

ASHS

ASABE

ASMS

APEGGA

Previous Positions

Profile Last Updated: September 3, 2007