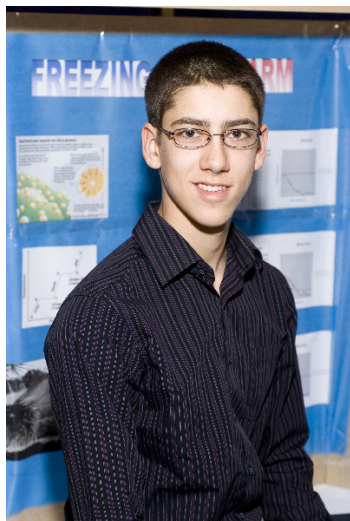


CWSF 2010 - Peterborough, Ontario



Joel Karstens

Freezing - Warm

Division: Health Sciences

Category: Intermediate

Region: Northwest Saskatchewan

City: Wilkie, SK

School: McLurg High School

Abstract: This experiment was done to prove that the concept of latent heat can be used to protect plants from subzero temperatures. A temperature increase was detected from using the heat from water that is in the liquid-solid phase change to keep a plant's temperature above 0°C.

Biography

My name is Joel Karstens. I am in Grade 10 at McLurg High School in Wilkie, SK. My family grain farms near Wilkie, so I have been involved with farming all my life. I currently do many things around the farm to help out, such as operating or fixing machinery and general farm work. I enjoy big game hunting and being outdoors. For the past number of years I have taken karate and guitar lessons. I enjoy athletics, participating in curling, track and field, cross country running, and football. This past year I received Rookie of the Year in football. I have maintained honour roll grades throughout my life. My favourite school subjects are industrial arts, science, and math because they apply to everyday life. I love to build things with my hands and figure out how things work. I am not completely sure what I will take for post secondary education, but I am trying to keep all doors open.

Youth Science Canada
PO Box 297
Pickering ON L1V 2R4
www.youthscience.ca / info@youthscience.ca
416-341-0040