

CWSF 2013 - Lethbridge, Alberta



Evan Krebs

Ethanol - The Next Generation

Challenge: Energy

Category: Junior

Region: Avon Maitland-Huron Perth

City: Hensall, ON

School: St. Boniface

Abstract: For this project I compared alternative ethanol feed stocks (sweet potatoes and sugar beets) with the traditional feedstock corn. This comparison was from several aspects, such as: cost of production, net energy gain, yield per acre, labor involved, usable byproducts, etc. I found, through my research and comparisons, that corn remains to be the optimal feed stock for ethanol production.

Biography

My name is Evan Krebs I live in Hensall Ont. Some of my Hobbies include wood working, welding, biking, competition plowing, dirt biking and camping. Sports I play are soccer track and field and skiing. Post-secondary I plan to apprentice in a trade or go to university in an ag related course. Careers I am thinking about pursuing are farming cash crop, potato, tobacco, sugar beet or mixed as well as opening a welding shop or working as a welder. The inspiration for my project came partly from my ag background as well as my interest in innovating agriculture and ethanol practices. If I was to investigate further into this project, it would be in developing a mechanical harvesting and storage systems, for sweet potatoes. Advice I would give to other students thinking about doing a project would be to choose a field they are interested in, gather background information, then do your project on a topic that could benefit the field your projects is about. Do something that hasn't been done before, don't do a project that you have seen before. Make sure that it is applicable to the real world.

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