

ESPC 2007 - Truro (Nouvelle-Écosse)



Laurissa Christie

"McFries to McFuel" Biodiesel

Division: Sciences de la santé / Technologie automobile

Catégorie: Junior

Région: Bluewater

Ville: Tara, ON

École: Arran-Tara E.S.

Sommaire: Biodiesel was manufactured with margarine oil. The combustion of biodiesel resulted in lower emissions than commercial and agricultural diesel fuels. The energy output of the various fuels was comparable. Vehicle performance tests were conducted to compare a 50% biodiesel blend with commercial diesel. A Vericom was used to measure the acceleration, horsepower, distance, and speed of the vehicles. The results were similar for both fuels.

Biographie

Laurissa is a grade 8 student at Arran-Tara Elementary School. She lives in rural midwestern Ontario with her family on a broiler chicken and red deer farm. She loves to figure skate and proudly represents her local club at competitions. Laurissa enjoys spending time with her family snowmobiling in the winter and in the summer at the cottage swimming, boating, tubing, and riding the sea-doo. She also enjoys traveling to visit her aunts in southern California. She recently has done some acting with the local theatre group. In 2005 Laurissa was the teen trebuchet Canadian "pumpkin chuckin" champion and currently is the teen catapult Canadian "pumpkin chuckin" champion. Her interest in biodiesel was sparked by her father while he was reading an agricultural magazine article on renewable energy. In the future she hopes to attend university and pursue a career in the energy industry.

Prix

Valeur

Bourse d'études de l'Université Western Ontario	2 000,00 \$
Médaille d'or - Bourse de début d'études de 2 000 \$	
Commanditaire: Université Western Ontario	
Bourse d'études de l'Université Western Ontario	1 000,00 \$
Médaille de bronze - Bourse de début d'études de 1 000 \$	
Commanditaire: Université Western Ontario	
Médaille de bronze - Génie - Junior	300,00 \$
Commanditaire: Fondation sciences jeunesse Canada	
Médaille d'or - Technologie automobile - Junior	1 500,00 \$
Commanditaire: AUTO21	
Total	4 800,00 \$