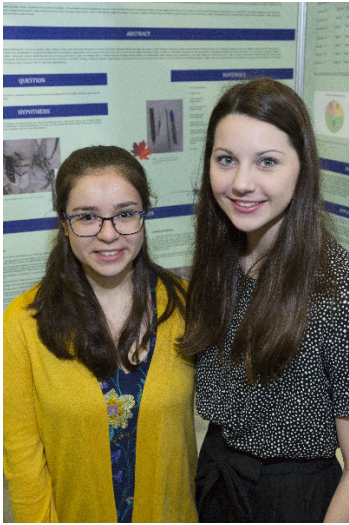


## CWSF 2018 - Ottawa, Ontario



### Raili Kary, Julie Delorme

#### The Effect of Different Acer Species on Adult Asian Longhorned Beetles

**Challenge:** Environment

**Category:** Intermediate

**Region:** Algoma Rotary

**City:** Sault Ste Marie, ON

**School:** St. Mary's College

**Abstract:** Our project involved observing nine pairs of mated adult Asian Longhorned Beetles, fed on three different species of maple. The purpose of the experiment was to prove whether different host species, provided for feeding, would affect the fertility, fecundity, and longevity of the beetle. Having scientific research on the Asian Longhorned Beetle will reduce destruction costs, and will make prevention more efficient.

#### Biographies

**Raili** - I am a grade ten student at St. Mary's College, Sault Ste. Marie, Ontario. I have a passion for science and sport. I love baking and camping with my family. I am a nationally ranked age group swimmer and a cross country ski coach. My science partner, Julie and I are inspired to work with the Asian Longhorned beetle to reduce possible destruction and to create a prevention plan in order to save our Canadian economy and the Northern Ontario environment (forests) that we are accustomed to. The purpose of the experiment was to prove whether different host species (provided for feeding) would affect the fertility, fecundity, and longevity of the beetle...

**Julie** - I am a grade ten French Immersion student at St. Mary's College in Sault Ste. Marie, Ontario. I have an active life style that includes cross country ski coaching, competitive swimming, canoeing, and backcountry camping. I am also involved in school activities such as Senior Senate, Me-to-We, and assisting in my school garden. I enjoy public speaking and singing with the Algoma Conservatory of Music. My science fair partner, Raili and I are interested in invasive species and the impact they have on boreal forests. With the assistance of the Great Lakes Forestry Research Centre, we hope to continue our studies on invasive species and create ef...

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