



CWSF 2017 - Regina, Saskatchewan



Jordan Winter

Destructor destruction: Could this Bee the end?

Challenge: Resources
Category: Senior

Region: Algoma Rotary **City:** Desbarats, ON

School: Korah Collegiate & Vocational School

Abstract: A study of management techniques of the honeybee parasite Varroa

destructor, in regards to hive size and oxalic acid medication. The relationship between brood area and Varroa mite population was explored. The effects of the medication oxalic acid on proteins stored in pollen was explored. Lower population hives have a smaller mite:bee ratio, and the

oxalic acid is able to denature stored proteins.

Biography

I live on a 150 acre farm where I raise chickens, pigeons, peacocks, and many other fowl for showing. Recently we acquired honeybees and had no clue how to overwinter them, which is where the basis for my project came about. I am planning on extending my project for several years into the future. I recommend that any science fair project should be done involving something that you love and have a passion for. I attend an IB school in a nearby town, where I am have completed the IB program. I enjoy singing, playing trombone, and musical theater. I am a founding member of the Youth Algoma Poultry Association, and I am working towards becoming an internationally certified poultry judge. I travel all over Ontario competing at poultry shows. I have a passion for research, and aspire to be a veterinarian.

Awards	Value
Canadian Orchid Congress Award - Senior	\$1 000
Sponsor: Canadian Orchid Congress	
Excellence Award - Senior - Bronze Medal	
Sponsor: Youth Science Canada	
University of Ottawa Entrance Scholarship	\$1 000
Senior Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: University of Ottawa	
Western University Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: Western University	
Total	\$3 000



