

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