

CWSF 2009 - Winnipeg, Manitoba



Wade Young, Nolan Beardy

Barn Owl Pellets as a Biological Indicator

Division: Engineering & Computing Sciences / Environmental Innovation

Category: Intermediate

Region: Manitoba First Nations

City: Split Lake, MB

School: Chief Sam Cook Mahmuwee Education Centre

Abstract: After dissecting owl pellets on a field trip, further pellets were obtained and analyzed for pesticides. The lab at Michigan State University assisted with the tests. Both GC runs showed peaks consistent with DDE, the end metabolite of DDT and found in the soil. As far as we know, DDE has not been reported in barn owl pellets, prior to this study.

Biographies

Wade - My name is Wade Young and I am a student at Chief Sam Cook Mahmuwee Education Centre. I enjoy computers, sports, and games. I spend a lot of time with my science partner Nolan Beardy as we share many of the same interests. I am unsure what the future holds for me but I would like the opportunity to attend post secondary education.

Nolan - My name is Nolan Beardy and this is my first time going to the Nationals. I am 17 and go to school in Split Lake Manitoba. I get good grades and try to always do what my teacher asks of me. I enjoy using computers. My friend Wade Young is my partner in this project. We were able to find out that barn owl pellets are contaminated with a pesticide called DEE which is a byproduct of DDT. This had been unknown previously. I am looking forward to the Nationals and will do my best.