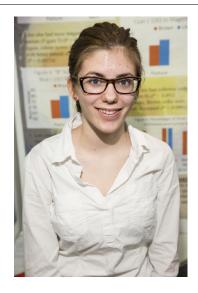




CWSF 2015 - Fredericton, New Brunswick



Maria Duynisveld

Eggs-amining the Connection Between Foraging Behavior and Egg Characteristics

Challenge: Resources Category: Junior

Region: Chignecto East **City:** Wallace, NS

School: Pugwash District High School

Abstract: Does laying hen foraging behavior affect egg characteristics on pasture?

Foraging behavior and egg traits from two laying hen strains on pasture and indoors were studied. Different strains' albumens reacted differently to environments. Foraging behaviors and environment affected yolk colour. Hen behaviors changed over a year. This shows a strain-diet interaction with albumens, learned foraging behavior, and that eggs are affected by

grazing behavior.

Awards	Value
4-H Canada Award - Junior	\$500
Sponsor: 4-H Canada	
Excellence Award - Junior - Gold Medal	\$250
Sponsor: Youth Science Canada	
Western University Scholarship	\$4 000
Gold Medallist - \$4000 Entrance Scholarship	
Sponsor: Western University	
Total	\$4 750

Biography

My name is Maria Duynisveld. I am 14 years old and a Grade 8 student at Pugwash District High School in Pugwash, Nova Scotia. I am an editor on the Yearbook Commitee, a member of 4-H, and am on the volleyball, basketball, cross-country running, curling, and track and field teams. I run on school and club track teams, and participate in 5Ks on my own. I enjoy reading and spending time on my family's farm. I also like to write, poetry especially. This year, I performed an experiment on the effects of laying hen foraging on egg characteristics. The previous year, I observed laying hen behaviour for differences between breeds, but I came short of making the Provincial team. I drew on the experience of my previous project for this year's, and hope to continue on this subject.





