

CWSF 2009 - Winnipeg, Manitoba



Oliver Jourmel

Soil Amending Properties of Charcoal

Division: International / None

Category: Intermediate

Region: Vancouver Island

City: Duncan, BC

School: Frances Kelsey Secondary

Abstract: This experiment tested the ability of charcoal to retain and release nutrients and water, compared to gravel of the same approximate size as the control. Nutrients and water were passed through home-constructed cartridges of charcoal and of gravel. A colorimeter was used to determine the concentration of the nutrients retained and subsequently released, and charcoal was found to have superior retention and slower release.

Biography

Oliver Jourmel is a grade 10 student at Frances Kelsey Secondary School on Vancouver Island, BC. He plays violin and piano, and sings in a choir, and enjoys soccer, fencing, juggling, and riding his bike. He is interested in politics, drama, debating and enjoys his self-paced school. He hopes to study law, science and music at university, to pursue a career in teaching and politics. He has done lots of Science Fair projects over the years, winning his division several times and is very happy to be on the BC team at the Canada-Wide Fair for the second time!

Awards

Value

The University of Western Ontario Scholarship	\$1 500
Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	
Silver Medal - Physical & Mathematical Sciences - Intermediate Sponsor: Encana Corporation	\$700
Total	\$2 200