CWSF 2014 - Windsor, Ontario

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Edward Li, Andi Shahaj

Agricultural Antiperspirants: Controlling Stomata using Hygroscopic Compounds

Challenge: Resources
Category: Intermediate
Region: York
City: York Region, ON, Thornhill, ON
School: Bayview S.S.

Abstract: The lack of nutrients in soil is an agronomic deficiency responsible for the inefficient exchange of resources in plants. Accordingly, hygroscopic chemicals were applied to plant leaves, to aid the control of stomatal pores which regulate the passage of water and essential gases. Measures of transpiration and CO2 intake demonstrated that, with additional research, the compounds may function as a sustainable solution to land degradation.

Biographies
Edward - Bio removed by request. Andi - My name is Andi Shahaj and I am a student at Bayview Secondary school. I am very athletic and played competitive hockey; however in the past two years have been immersed more in the world of science. When I graduated from elementary school I was very proud to receive the mathematics award. My career goal is to work as a scientist for NASA ... we all start with a dream before it becomes reality! The inspiration for the project came initially from the convincing abilities of my project partner Edward, then from the idea that we could solve real world problems. We wish to collect more data to support our hypothesis. Advice I would give to other ...

Awards	Value
Excellence Award - Intermediate - Silver Medal Sponsor: Youth Science Canada	$300
Western University Scholarship Silver Medallist - $2000 Entrance Scholarship Sponsor: Western University	$2 000
Total	$2 300