

## CWSF 2018 - Ottawa, Ontario



### Morgan Biljan

#### Harvest HelpHer: A Sustainable Gardening Solution

**Challenge:** Resources

**Category:** Senior

**Region:** Montreal

**City:** Westmount, QC

**School:** Miss Edgar's and Miss Cramp's School

**Abstract:** Harvest HelpHer is a user-friendly app that could help gardeners of all levels of experience to optimally prepare their soil for sustainable crop growth by understanding their soil's pH. Once the user enters their soil's pH into the app, the algorithm analyses the data and a list of crops that can grow in their soil is displayed.

#### Biography

My name is Morgan Biljan and I am a grade 11 student at Miss Edgar's and Miss Cramp's School in Montreal, Quebec. At my school, I am the editor of the yearbook and a co-head of the library committee. In my free time, I volunteer at a veterinary clinic on the weekends and enjoy drawing and playing the guitar. This past March, I had the opportunity to go on a service trip to Tanzania which truly changed my perspective on the world and opened my eyes to a new culture I have never experienced before. Next year I will be going into Health Sciences at Vanier College. In the future, I wish to pursue a career as a veterinarian. My science fair project was inspired by my garden at home and how soil pH effects plants as well as my interest in learning how to code. In the future, I would like to create a phone attachment that would be able to test the pH of the soil and transmit those results to the app to make it as user-friendly as possible. My advice to other students thinking about doing a project is to enjoy every step of the process.