George Olwal

WDD131 Project Proposal

**Crop nutrients calculator and scheduler**

The system will employ mole system to calculate needed nutrients and water based on crop recipes. The project will have a landing page(dashboard), fertilizers page, crop details page, and calculation and scheduling page. The project will utilize the JavaScript principles and web design practices we have learned in the WDD131 course.

The main purpose is to show proficiency in the concepts learned in the WDD131 course. In addition, the project will assist farmers in calculating needed crop nutrients from locally available fertilizers. This will help them with easy crop maintenance and farm input budgeting. The project will also inform farmers on the best farming practices and characteristics of crops and fertilizers. All these to improve yields through precision farming methods thereby mitigating food insecurity in our country and the world at large.