

AGRICULTURAL BUSINESSES STRUGGLE TO KEEP TRACK OF FINANCIAL DATA

- Much of our world contains a large amount of data, especially in businesses. Many have full data sets they use to keep track of their finances.
- The way that many large businesses deal with this issue is by hiring accountants or using specialized software to manage finances.
- On the contrary, small businesses rarely have the funds available to invest in accounting, so they tend to struggle in keeping track of finances and projecting future earnings.
- Agricultural businesses in particular can struggle with accounting due to their lack of experience with complex financial management tools.
- Our project eases this difficulty by providing visualizations to represent the data of small and mid-sized agricultural businesses.



AGBIZ FINANCE VISUALIZATION

Assisting agriculture businesses to boost performance by effectively transforming data into reality

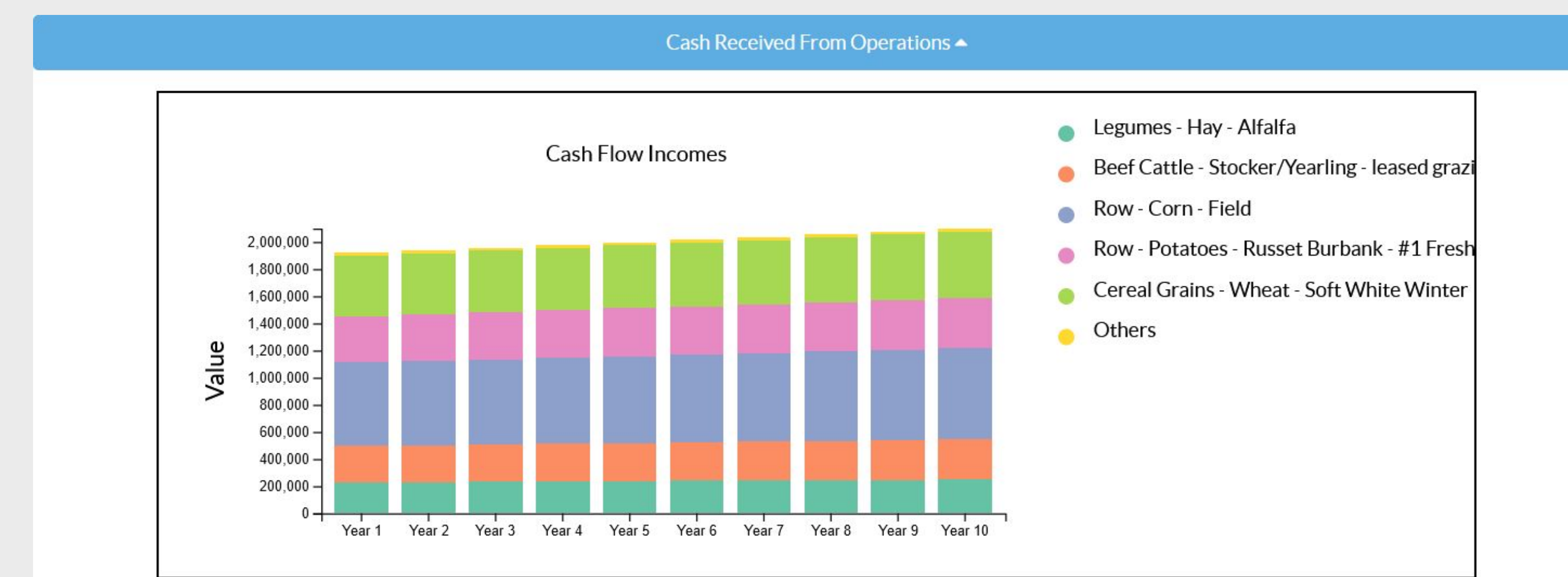


Figure 1: Default Stacked Bar Visualization

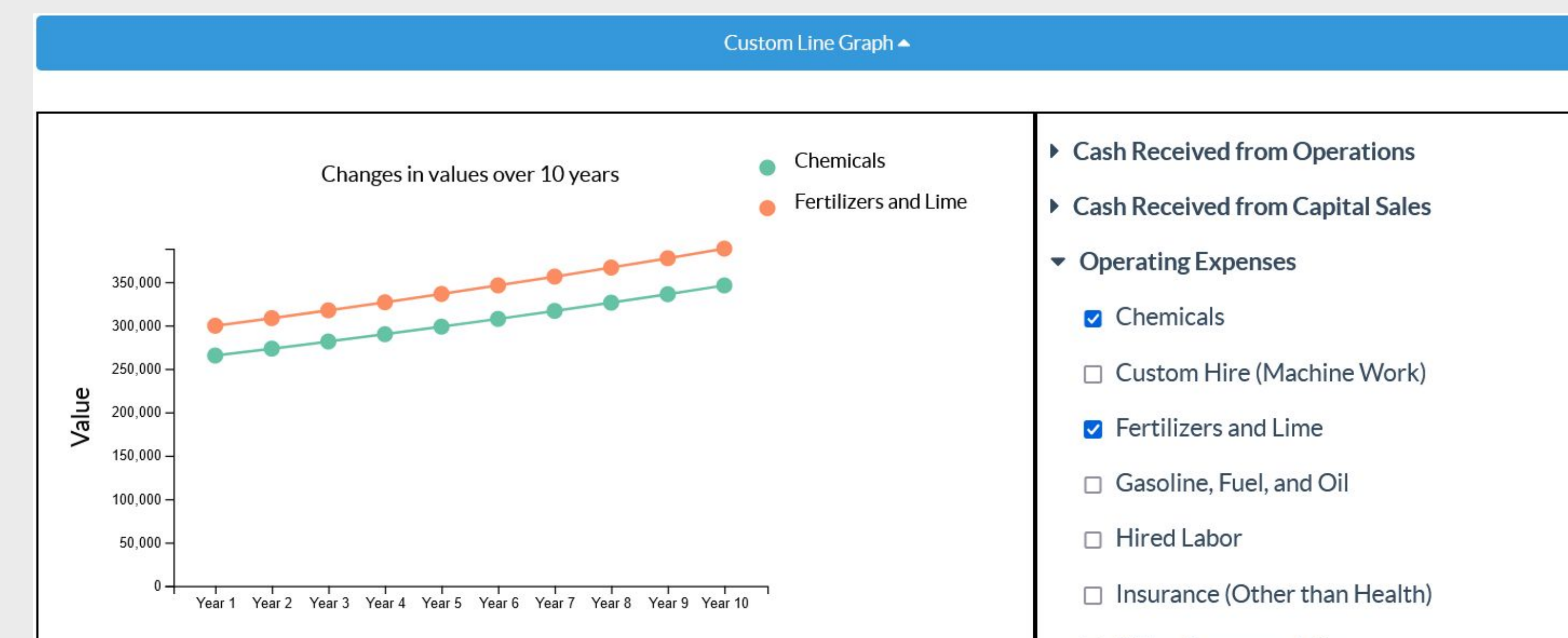


Figure 2: Custom Line Visualization

VISUALIZATIONS CREATE INSIGHTS

Data visualizations make it easier for farming and other agricultural businesses to understand their financial data. This representation can be used to make projections for future budgets, accounting for a wide variety of possible changes.

Our project allows the user to view default and customizable graphs that can show how either their incomes or expenses track over time.

This allows businesses to recognize trends within their data, such as which income streams are performing well, and which are performing poorly.

ANALYZING DIFFERENT ECONOMIC TOOLS

- Our visualizations cover four categories of financial information: Cash Flow, Balance Sheet, Income Statement, and Financial Ratios.
- Our visualizations are interactive, allowing the user to look up information that they want to display in the data table below the visualizations, and then select the corresponding category to view that information within the visualization.
- The last page contains financial ratios, which are represented by a gauge graph. This will tell the user if their ratios are within a good, ok, or bad standing. This allows all businesses to assess their financial situation, whether they make a lot of money or very little each year.

ACKNOWLEDGEMENTS

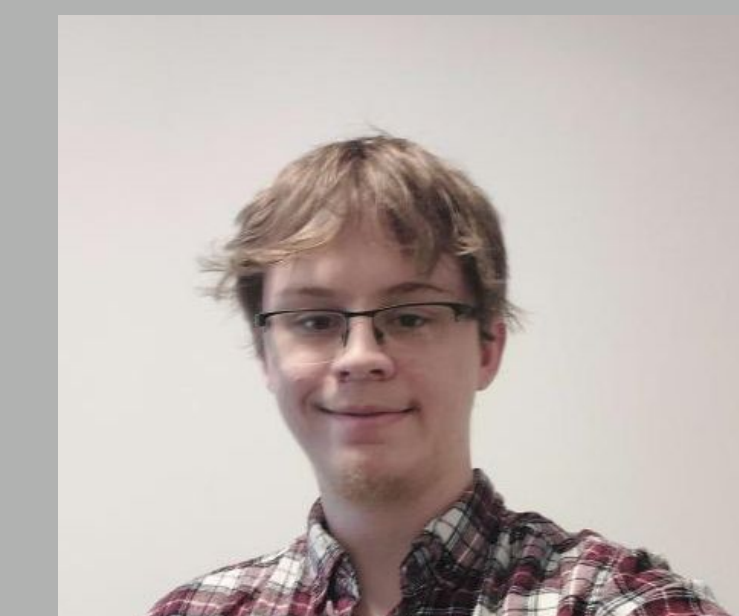
AgBiz Logic:

AgBiz Logic is a suite of tools designed to help farmers and smaller agricultural businesses manage their business. We built off of the existing AgBiz Finance tool, which helps businesses understand the impacts of their financial decisions.

- Weiyu Tang: Project Manager, Developer
Email: tangwe@oregonstate.edu



- Asa Kohn: UI Developer, Communicator
Email: kohna@oregonstate.edu



- Min Khant Aung: Developer
Email: aungm@oregonstate.edu



- Clark Seavert: AgBiz Program Lead
- Sean Hammond: Senior Developer, Project Partner