LOCAL FARMERS ANNOYED BY ANNUAL STATEMENT UPLOADS

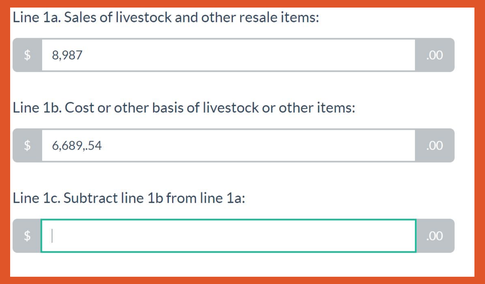

Figure 2: The screenshot of entering financial data shows the drudgery of manual data entry that farmers wish to avoid.

AgBiz Logic is a website designed to help local farmers organize their annual financial data and make financial decisions. The site takes financial data in the form of income and expense documents as input, and produces a budget for the user based on their data.

Since our platform deals primarily in handling financial data, it needs methods for the user to get their data into the program. It takes too long for users to enter their data into AgBiz Logic by hand. Our project created an automatic importer that inserts the farmer's information into the AgBiz Logic database for them.

Oregon State University

AGBIZ LOGIC: WHERE DATA IS ALWAYS IN SEASON!

Saving Farmers From Laborious Data Uploads

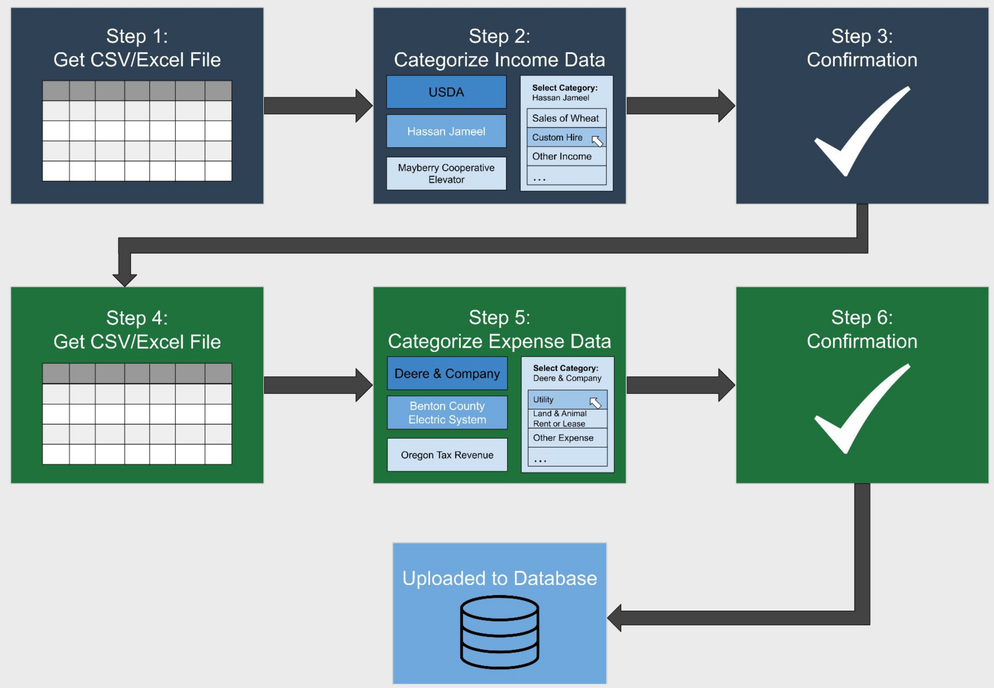

Figure 1: The flow diagram shows the steps from getting the farmer's CSV/Excel file to uploading into the AgBiz Logic™ database.

HOW IS THE DATA CATEGORIZED?

The user's data is received in the form of two CSV/EXCEL files, one for income, and one for expenses.

The categories and amounts of each item in the CSV/EXCEL file are extracted. The categorizer matches a predicted category for each item.

The raw CSV/EXCEL file and what the categorizer creates are shown in Figures 3 and 4.

The items the categorizer failed to automatically categorize are shown to the user. The user manually categorizes these items in steps 2 and 5 in Figure 1.

Before

	A	B
1		FY End 6/14
2	Expenses as of June 30	Annual Expense
3		
4	Utilities	43,990.24
5	Prof Services Incl. Fumigation, Hosting	46,360.95
6	Rent($2100 to others Bal to LeCompte)	70,625.00
7	Advertising	10,605.63
8	Insurance Property & Auto	16,063.52
9	Payroll Taxes & Insurance	110,694.46
10	State & Federal Taxes	1,336.04
11	Profit Sharing, Vacations, Bonus	14,800.00
12	Refunds, Interest, Donations, Misc	23,501.37

Figure 3: This spreadsheet shows what the farmer had in their CSV/Excel file.

After

	Category	Amount	PredictedCategory
0	Expenses as of June 30	Annual Expense	Unknown
1	Utilities	43,990.24	Utilities
2	Prof Services Incl. Fumigation, Hosting	46,360.95	Unknown
3	Rent($2100 to others Bal to LeCompte)	70,625.00	Unknown
4	Advertising	10,605.63	Unknown
5	Insurance Property & Auto	16,063.52	Insurance (other than health)
6	Payroll Taxes & Insurance	110,694.46	Other expenses: Payroll, state, federal taxes & payroll insurance
7	State & Federal Taxes	1,336.04	Other expenses: Payroll, state, federal taxes & payroll insurance
8	Profit Sharing, Vacations, Bonus	14,800.00	Pension and profit-sharing plans
9	Refunds, Interest, Donations, Misc	23,501.37	Other expenses: Refunds, interest, donations, misc.

Figure 4: This spreadsheet shows the categories the importer sorted the farmer's data into.
Green - category matched automatically
Orange - requires user categorization

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