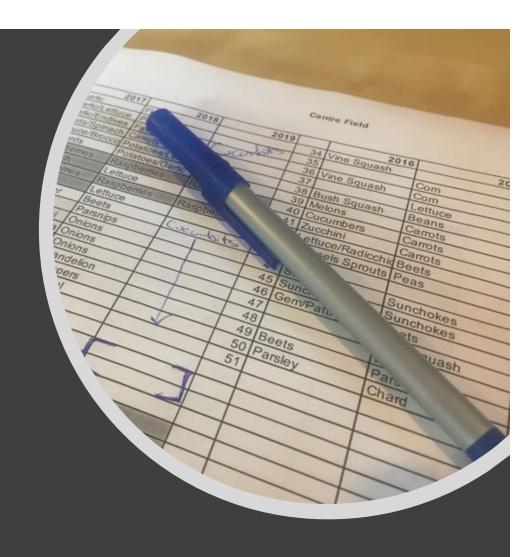


Objectives for today

- Understand what the Cost of Production is and how it is used.
- Differentiate between fixed costs and variable costs.
- Differentiate between production costs and marketing costs
- Learn ways to calculate the Cost of Production on your farm.
- Strategize how to reduce your cost of production and increase profitability.
- Prepare to compare your costs with other growers.





Popularity vs Profitability

- Popular does not equal profitable
- What is the "Basement price"?
- What are the Profit Centres for a farm business?











Exercise

Can you differentiate your production costs from marketing costs?

Fixed Costs vs Variable Costs

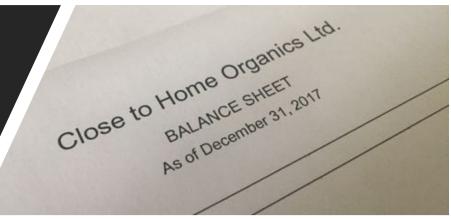
- Fixed costs remain the same, regardless of use
- Variable costs will change, depending on volume produced, production practices





Where can you find your Fixed Costs?

- Balance Sheet
 - Assets
- Profit and Loss (Income statement)
 - Rent
 - Maintenance
 - Office



ose to Home Organics Ltd.

PROFIT AND LOSS

January 1 - November 27, 2018

Exercise: Identify your fixed costs

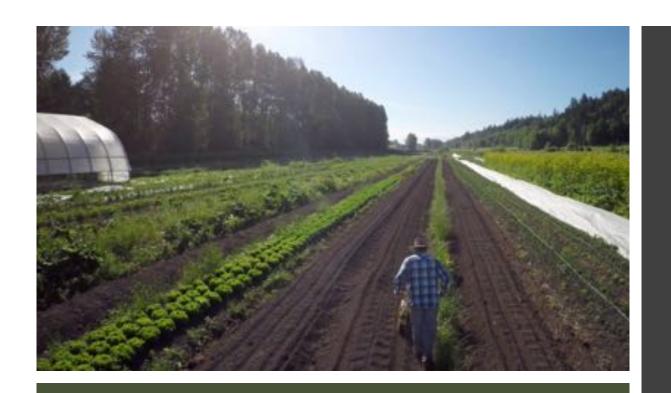
 What costs does your business have, regardless of what you produce?



Some accounting definitions

- Direct Costs: the costs directly associated with a product
- Fixed Costs: overhead the business has
- Contribution: the amount a product contributes to fixed costs after direct costs are paid
- Profit: Amount earned beyond direct costs and fixed costs





Method 1: Rough Unit Cost

- Add up costs (including profit)
- Divide by acreage, beds or bed feet
- Divide by yield of each crop per acre, bed or bed feet

Rough Unit Cost

Advantages

- Quick
- Relatively Easy
- Requires less complicated record-keeping

Disadvantages:

- Less accurate than a detailed analysis: doesn't differentiate between fixed and variable costs
- Not all crops have the same costs and thus, have different profitability.





Exercise: Calculate Rough Unit Cost

- Add up costs (including profit)
- Divide by acreage, beds or bed feet
- Divide by yield of each crop per acre, bed or bed feet



Method 2: Using Enterprise Budgets

- Establish a unit of yield
- Establish a unit of production space
- Calculate yield for production space
- Assess variable costs to each crop based on usage
- Add fixed costs and desired profit



What does this look like?

- Develop detailed revenue and expense projections for each crop
- Compare your yields against industry standards
- A spreadsheet that helps you set your price



Enterprise Budgets

Advantages

- Get a much better idea of profitability
- Zero-in on profit centres

Disadvantages

- Time-consuming
- Requires detailed record keeping



How to use?

- Set prices
- Match Plantings to Sales
- Improve Yields
- Invest in Equipment
- Increase Scale
- Trim Waste
- Peer Groups



Setting prices

- Use your Cost of Production as a "Basement Price"
- Basement Price might be your wholesale price
- Try to add a 50% mark-up for Direct-to-Consumer sales





Match Plantings to Sales

- Prices reflect costs and what you actually sell
- Capture your cost of production to ensure profitability







Increase Scale

If you know your numbers and see opportunity for growth, increasing scale might be an option





Eliminate unprofitable crops or search for efficiencies



Control variable costs



Maximize fixed costs

Peer Groups

1

Compare your numbers with colleagues

2

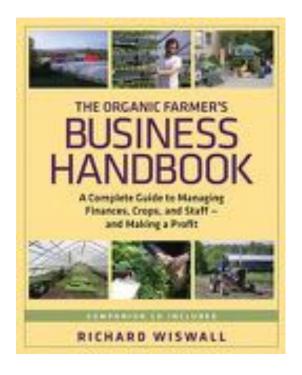
Create a culture of collaboration

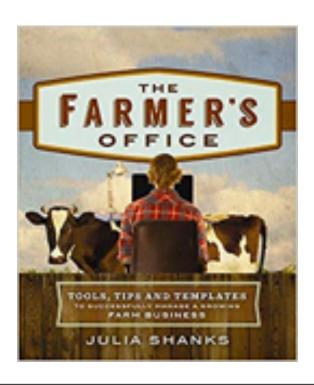
3

Have confidence in your pricing

4

Consider shared tools and implements







Southwest British Columbia Small-Scale Farm Enterprise Budget:

KPU Institute for Sustainable Food Systems

Technical Bulletin 2015-014 kpu.ca/isfs

Kwantlen Polytechnic University

Ermias Afeworki, Wallapak Polasub, Caroline Chiu and Kent Mullinix

This enterprise budget presents costs and returns for a 0.5 acre of carrots grown on a small-scale mixed vegetable farm in southwest British Columbia, Canada. The sample values are typical of small-scale root crop production using low-input growing methods and selling directly to consumers through venues such as farmers' markets. These values were derived from data gathering sessions with representative farmers from the region, but do not represent any particular farm, and should be used only as a guide. The actual costs of the region, but do not represent any particular farm, and should be used only as a guin. The actual costs of production may any from farm to farm depending on production method and scale, machinery use and input costs. This budget is also available as a dynamic MS Excel spreadsheet to facilitate more detailed planning for your come operation. Please refer to the "Institute for Sustainable Food Systems Enterprise Budget User Guide for assistance in tailoring the spreadsheet to your own farm.

- 1) The carrot crop area is half an acre, consisting of 54 beds, each measuring 4' x 100' (400 square feet
- Carrot takes three months from seed to harvestable maturity.
- 3) An annual land rent of \$400 per acre is included in overhead charges
 4) Physical farm labourers (regular labour) are paid \$12 per hour.

- 5) Equipment operators (operator labour) are paid \$15 per hour.
 6) The proportion of sales of carrot to the total annual sales of 20 crops, grown on a 3.85-acre mixed
- vegetable farm, is used to allocate marketing costs to the carrot enterprise.

 7) The proportion of the farm's total cultivated acreage used to grow carrots is used to allocate fixed costs to the carrot enterprise.
- 8) Fuel cost is \$1.30 per liter
- The interest rate is fixed at 5%.
- 10) The annual fixed cost is estimated using the straight-line depreciation method.
- 11) Management time is not included as a cost. The net return over total cost may be considered as the return to management time.

The enterprise budgets project was generously funded by Vancouver City Savings Credit Union (Vancity). Support for this project does not necessarily imply Vancity's endorsement of the findings or contents here in.

Resources

