FINDING REVENUE IN YOUR BLUEBERRY BUSINESS

2015 NEW ENGLAND FRUIT AND VEGETABLE CONFERENCE

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WHY A BERRY FARM BUSINESS SUMMARY

Berries are an important crop in New York

- NYS ranks 8th in the nation for strawberry crop
- Strawberries are the 4th most valuable fruit crop in NY

Anecdotal evidence that more individuals are getting into berry production

Little information on economics of berry production in the Northeast

Identify areas where growers can improve revenue through improved record-keeping, production, or reducing costs

CORNELL HAS A LONG HISTORY OF ANALYZING FARMS

Fruit Cost of Production studies in '60's & '70's by Darwin Snyder

Dairy Farm Business Summary – statewide – Wayne Knoblauch & CCE Farm Business Management Specialists

Lake Ontario Fruit Farm Business Summary – Alison DeMarree, Jerry White & AEM grad students

Beef Farm Business Summary

Lake Erie Region Concord Grape Business Summary – based on Schedule F

2013 Berry Business Summary

OVERVIEW OF BFBS PROCESS

CCE educators and regional specialists worked with 8 farms to collect the data

6 of the farms were smaller-scale, 2 farms grew berries in addition to tree fruit

Using the Fruit Farm Business Summary as a guide, created data tables of summary information, and specific areas

TABLES FROM THE BFBS

Four considerations:

- 1. There are only data from 8 farms so far
- 2. Two of the 8 farms are much larger than the other 6
- 3. Where possible, we make comparisons to FFBS
- 4. This data is based on a whole farm analysis, enterprise budgets give more crop-specific information



LAND RESOURCES

Land Class	8 Farm Average	6 Farm Average
Land Olass	Average	Average
Bearing fruit acres	45.60	5.93
Non-bearing fruits acres	7.80	0.00
Total fruit acres	53.40	5.93
Other annual crops	7.76	10.35
Other perennial crops	1.25	1.67
Open land	25.19	19.08
Non-tillable acres	7.25	1.17
Total acres cropped	62.41	17.95
Total land operated	94.85	38.20
Rented land included above	0.00	0.00



BERRY CROP PRODUCTION

	No. of	Average	Average	Percent of
	farms	Acres	Production (lbs)	Total Berries
8 Farms				
Blueberries	8	3.93	17,991.75	21.43%
6 Farms				
Blueberries	6	4.47	9,955.17	23.80%

	8 Farms	6 Farms
Rates of Production (Ibs/acre)		
Blueberries, pounds per bearing acre	4,297.21	1,985.05



ENTERPRISE BUDGETS

- An enterprise budget was developed for Blueberries,
 June-bearing Strawberries, and summer Raspberries
- Initial estimates were based on information from other states (PA, NC) and project team knowledge of the crop
- The assumptions in the budgets were then verified by members of the New York Berry Growers Association
- Each budget includes the pre-plant year, planting year, and production year(s)



LABOR WORKSHEET

Operation	Month	Mach.	Hourly	Total	Labor
		Hours	rate	Mach.	Hours
Layout field	Mar	0.00	0.00	0.00	1.00
Herbicide planting strips	Apr	1.00	17.50	17.50	2.00
Rototill killed strips	Apr	2.00	17.50	35.00	3.00
Plant berries	Apr	3.00	17.50	52.50	36.00
Apply mulch	Apr	4.00	17.50	70.00	20.00
Irrigation set up	Apr	2.00	17.50	35.00	16.00



VARIABLE COSTS

Variable Cost							
Apply Herbicide to planting strips			acre	\$50.50	1	\$50.50	
Rototill killed strips			acre	\$84.50	1	\$84.50	
Plant berries			acre	\$646.50	1	\$646.50	
Apply mulch			acre	\$400.00	1	\$400.00	



RETURNS FOR BLUEBERRIES

Price	(\$/lb)	2,000	3,000	4,000	5,000	6,000	7,000
\$	2.00	\$4,000.00	\$6,000.00	\$8,000.00	\$10,000.00	\$12,000.00	\$14,000.00
\$	3.00	\$6,000.00	\$9,000.00	\$12,000.00	\$15,000.00	\$18,000.00	\$21,000.00
\$	4.00	\$8,000.00	\$12,000.00	\$16,000.00	\$20,000.00	\$24,000.00	\$28,000.00
\$	5.00	\$10,000.00	\$15,000.00	\$20,000.00	\$25,000.00	\$30,000.00	\$35,000.00
\$	6.00	\$12,000.00	\$18,000.00	\$24,000.00	\$30,000.00	\$36,000.00	\$42,000.00
\$	7.00	\$14,000.00	\$21,000.00	\$28,000.00	\$35,000.00	\$42,000.00	\$49,000.00
\$	8.00	\$16,000.00	\$24,000.00	\$32,000.00	\$40,000.00	\$48,000.00	\$56,000.00
\$	9.00	\$18,000.00	\$27,000.00	\$36,000.00	\$45,000.00	\$54,000.00	\$63,000.00



ENTERPRISE BUDGET TAKE HOME

- Labor is 80% of the cost of growing blueberries
- Know your yields and break-even numbers to estimate returns, and adjust your price if you can
- Some growers with lower yields are probably not pricing their berries high enough to make a profit



TYPES OF RECORDS

Production Records

- Enterprise Budgets
- Yield, Pesticides, Crop Rotations etc.

Financial Records

- Income Statement
- Balance Sheet
- Cash Flow Statement
- Ratio Analysis
- Family Living

Ownership Records

- Asset Inventory
- Legal Documents
- Estate Plan



INCOME STATEMENT

Summary of revenue and expenses for a certain time period Includes all business income

Can be cash or non-cash

Identify all expenses

- Cash: plants, fertilizer, pesticides
- Non-cash: depreciation, accounts payable, accrued interest

Net Farm Income from Operations= Total Revenue-Total Expenses



INCOME STATEMENT

Income Statement-Farm Receipts, average of all farms, 2013

			Cash
			Receipts
	Cash Income		
Strawberries:	fresh		\$14,420
Strawberries:	process	•	\$0
Cranberries		•	\$0
Blueberries:	fresh	•	\$4,635
Blueberries:	process	•	\$0
Brambles:	fresh	•	\$3,665
Brambles:	process	•	\$0
Ribes:	fresh	F	\$333
Ribes:	process	F	\$0
Other berries:	fresh	F	\$0
Other berries:	process	•	\$0
Total All Berries			\$14,702

INCOME STATEMENT (CONT.)

		Inventory	Accts.		per
	Cash	& Prepaids	Payable	Accrual	brng
Expenses	Amount	Change	Change	Expense	acre
Crops					
Spray Chemicals	43501.61	-5796.33	0.00	37705.27	342.55
Fertilizer & Lime	4921.60	-536.17	0.00	3565.17	152.04
Replacement Trees & Plants	5843.33	0.00	0.00	2921.67	170.09
Supplies & Other Crop Expense	10090.06	-1050.00	0.00	9040.06	289.35
Storage	0.00	0.00	0.00	0.00	0.00
Processing & Packing supplies	23577.87	0.00	0.00	19648.23	298.80
Resale fruit & other items	7390.00	0.00	0.00	3695.00	252.30
Farm Market expenses	10568.33	-438.33	0.00	4845.83	35.14
Mktg & Selling Expenses	6921.06	-158.33	0.00	5609.22	129.12
Total	112813.86			87030.44	1669.38

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"BUILDING A BETTER BOTTOM LINE FOR NYS BERRY GROWERS"

THANKS TO THE NYSBGA TOO!

Thanks for Listening!

Questions? Suggestions?

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http://www.fruit.cornell.edu/berry/index.htm