

2010 Budgets for Horticultural Crops Grown on a Quarter Acre

by
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Budgeting Assumptions

Everyone's situation is different so no budget is accurate for more than one operation. The budgets in this workbook were developed from a grower near Lincoln, Nebraska. The following description of the growing operation is provided to enable people using these budgets the opportunity to evaluate their appropriateness. Select inputs on the spreadsheets can be changed so the budgets can be modified as needed.

Labor - \$15.00 per hour	Production (Beds Grown)
Fuel - \$2.60 per gallon	Bell Peppers 2
Operations Interest Rate - 8%	Broccoli 2
Investment Interest Rate - 3%	Cabbage 1
Bed Size - 6 feet by 100feet	Cauliflower 1
Real Estate Value per Acre - \$4,000	Green Beans 2
Real Estate Tax per Acre - \$20.00	Lettuce 1
	Onions 1
	Peas 2
	Tomatoes 3

Crop Name Bell Peppers **Year** 2009
Area Unit Bed **Beds per Acre** 72.6
Labor Rate / Hr \$ 15.00 **Fuel Rate** \$ 2.13

Income 1,250 ea/Bed **yield @** \$ 0.50 **per ea**

Income per Bed	Gross	Economic			Cash		
		less Costs	= Net	Breakeven	Cost	= Net	Breakeven
625.00	235.23	389.77	0.19	222.45	402.55	0.18	

Operation	Unit	Times or Qty	Labor	Fuel and Lube	Repairs	Ownership	Total per Bed
Plow	Bed	1	3.75	0.18		1.35	5.27
Disc	Bed	1	3.75	0.18		0.76	4.69
Tiller	Bed	1	3.75	0.53		3.82	8.10
Grading	Bed	0.25	0.94	0.04		4.92	5.90
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Irrigation Installation	Bed	1	15.00				15.00
Hand Irrigation	Bed	2	15.00				15.00
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Weeding	Bed	3	11.25				11.25
Installing Row Cover	Bed	2	15.00				15.00
Total for Field Operations			75.94	1.29	0.00	11.95	89.17

Material Cost	Category	Application			Price	
		% Units	Rate	/Unit @	Per	Total per
Pepper Seed	Seed	100%	1	Bed	19.65	19.65
Row Cover	Material	100%	1	bed	27.00	27.00
Mulch	Material	100%	100	pounds	0.02	1.50
Total Material Costs and Custom Hire						48.15

Costs for Field Operations and Materials and Services

Interest on Operations Cash Expense Interest Rate months
 125.37 6.00% 8

Total Operating Expendable and Allocated Expenses per Unit Area

Management & Overhead (Allocated by)

Marketing Gross \$ 0.06 per ea

Real Estate Costs

Taxes
 Opportunity
 Other
 Rent

Economic	Cash
137.32	125.37
5.01	5.01
142.34	130.39
8.77	8.77
76.06	76.06
8.06	7.23
0.28	0.28
0.83	
0.07	0.07
6.89	6.89
235.23	222.45

Total Cost per Unit Area

Crop Name Broccoli **Year** 2009
Area Unit Bed **Beds per Acre** 72.6
Labor Rate / Hr \$ 15.00 **Fuel Rate** \$ 2.13

Income 375 hd/Bed **yield @** \$ 2.30 **per hd**

Income per Bed	Gross	Economic			Cash		
		less Costs	= Net	Breakeven	Cost	= Net	Breakeven
	862.50	303.69	558.81	0.81	290.92	571.58	0.78

Operation	Unit	Times or Qty	Labor	Fuel and Lube	Repairs	Ownership	Total per Bed
Plow	Bed	1	3.75	0.18		1.35	5.27
Disc	Bed	1	3.75	0.18		0.76	4.69
Tiller	Bed	1	3.75	0.53		3.82	8.10
Grading	Bed	0.25	0.94	0.04		4.92	5.90
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Irrigation Installation	Bed	1	15.00				15.00
Hand Irrigation	Bed	2	15.00				15.00
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Weeding	Bed	3	11.25				11.25
Installing Row Cover	Bed	2	15.00				15.00
Total for Field Operations			75.94	1.29	0.00	11.95	89.17

Material Cost	Category	Application			Price	
		% Units	Rate	/Unit @	Per	Total per
Broccoli Seed	Seed	100%	2	Bed	1.48	2.95
Dipel	Chemicals	300%	0	pounds	32.00	9.60
Row Cover	Material	100%	2	bed	27.00	54.00
Mulch	Material	100%	100	pounds	0.02	1.50
Total Material Costs and Custom Hire						68.05

				Economic	Cash
Costs for Field Operations and Materials and Services				157.22	145.27
Interest on Operations	Cash Expense	Interest Rate	months		
	145.27	6.00%	8	5.81	5.81
Total Operating Expendable and Allocated Expenses per Unit Area				163.04	151.08
Management & Overhead (Allocated by)		Gross		12.10	12.10
Marketing		\$ 0.32 per hd		120.50	120.50
Real Estate Costs				8.06	7.23
	Taxes			0.28	0.28
	Opportunity			0.83	
	Other			0.07	0.07
	Rent			6.89	6.89
Total Cost per Unit Area				303.69	290.92

Crop Name Cabbage **Year** 2009
Area Unit Bed **Beds per Acre** 72.6
Labor Rate / Hr \$ 15.00 **Fuel Rate** \$ 2.13

Income 400 hd/Bed **yield @** \$ 2.00 **per hd**

Income per Bed	Gross	Economic			Cash		
		less Costs	= Net	Breakeven	Cost	= Net	Breakeven
	800.00	273.19	526.81	0.68	260.42	539.58	0.65

Operation	Unit	Times or Qty	Labor	Fuel and Lube	Repairs	Ownership	Total per Bed
Plow	Bed	1	3.75	0.18		1.35	5.27
Disc	Bed	1	3.75	0.18		0.76	4.69
Tiller	Bed	1	3.75	0.53		3.82	8.10
Grading	Bed	0.25	0.94	0.04		4.92	5.90
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Irrigation Installation	Bed	1	15.00				15.00
Hand Irrigation	Bed	2	15.00				15.00
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Weeding	Bed	3	11.25				11.25
Installing Row Cover	Bed	2	15.00				15.00
Total for Field Operations			75.94	1.29	0.00	11.95	89.17

Material Cost	Category	Application			Price	
		% Units	Rate	/Unit @	Per	Total per
Cabbage Seed	Seed	100%	1	Bed	8.50	8.50
Dipel	Chemicals	300%	0	pounds	32.00	9.60
Row Cover	Material	100%	1	bed	27.00	27.00
Mulch	Material	100%	100	pounds	0.02	1.50
Total Material Costs and Custom Hire						46.60

				Economic	Cash
Costs for Field Operations and Materials and Services				135.77	123.82
Interest on Operations	Cash Expense	Interest Rate	months		
	123.82	6.00%	8	4.95	4.95
Total Operating Expendable and Allocated Expenses per Unit Area				140.73	128.78
Management & Overhead (Allocated by)		Gross		11.22	11.22
Marketing		\$ 0.28 per hd		113.18	113.18
Real Estate Costs				8.06	7.23
	Taxes			0.28	0.28
	Opportunity			0.83	
	Other			0.07	0.07
	Rent			6.89	6.89
Total Cost per Unit Area				273.19	260.42

Crop Name Cauliflower **Year** 2009
Area Unit Bed **Beds per Acre** 72.6
Labor Rate / Hr \$ 15.00 **Fuel Rate** \$ 2.13

Income 400 hd/Bed **yield @** \$ 2.28 **per hd**

Income per Bed	Gross	Economic			Cash		
		less Costs	= Net	Breakeven	Cost	= Net	Breakeven
	912.50	262.08	650.42	0.66	249.30	663.20	0.62

Operation	Unit	Times or Qty	Labor	Fuel and Lube	Repairs	Ownership	Total per Bed
Plow	Bed	1	3.75	0.18		1.35	5.27
Disc	Bed	1	3.75	0.18		0.76	4.69
Tiller	Bed	1	3.75	0.53		3.82	8.10
Grading	Bed	0.25	0.94	0.04		4.92	5.90
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Irrigation Installation	Bed	1	15.00				15.00
Hand Irrigation	Bed	2	15.00				15.00
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Weeding	Bed	3	11.25				11.25
Installing Row Cover	Bed	2	15.00				15.00
Total for Field Operations			75.94	1.29	0.00	11.95	89.17

Material Cost	Category	Application			Price	
		% Units	Rate	/Unit @	Per	Total per
Cauliflower Seed	Seed	100%	1	Bed	8.75	4.38
Dipel	Chemicals	300%	0	pounds	32.00	4.80
Row Cover	Material	100%	1	bed	27.00	13.50
Mulch	Material	100%	50	pounds	0.02	0.75
Total Material Costs and Custom Hire						23.43

				Economic	Cash
Costs for Field Operations and Materials and Services				112.60	100.65
Interest on Operations	Cash Expense	Interest Rate	months		
	100.65	6.00%	8	4.03	4.03
Total Operating Expendable and Allocated Expenses per Unit Area				116.63	104.67
Management & Overhead (Allocated by)					
Marketing		Gross		12.80	12.80
Real Estate Costs		\$ 0.31 per hd		124.59	124.59
	Taxes			8.06	7.23
	Opportunity			0.28	0.28
	Other			0.83	
	Rent			0.07	0.07
				6.89	6.89
Total Cost per Unit Area				262.08	249.30

Crop Name Green Beans **Year** 2009
Area Unit Bed **Beds per Acre** 72.6
Labor Rate / Hr \$ 15.00 **Fuel Rate** \$ 2.13

Income 200 lb/Bed **yield @ \$ 3.75 per lb**

Income per Bed	Gross	Economic			Cash		
		less Costs	= Net	Breakeven	Cost	= Net	Breakeven
	750.00	203.76	546.24	1.02	190.98	559.02	0.95

Operation	Unit	Times or Qty	Labor	Fuel and Lube	Repairs	Ownership	Total per Bed
Plow	Bed	1	3.75	0.18		1.35	5.27
Disc	Bed	1	3.75	0.18		0.76	4.69
Tiller	Bed	1	3.75	0.53		3.82	8.10
Grading	Bed	0.25	0.94	0.04		4.92	5.90
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Irrigation Installation	Bed	1	15.00				15.00
Hand Irrigation	Bed	2	15.00				15.00
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Weeding	Bed	3	11.25				11.25
Total for Field Operations			60.94	1.29	0.00	11.95	74.17

Material Cost	Category	Application		Price	
		% Units	Rate/Unit @	Per	Total per
Green Bean Seed	Seed	100%	2 Bed	5.40	10.80
Mulch	Material	100%	100 pounds	0.02	1.50
Total Material Costs and Custom Hire					12.30

				Economic	Cash
Costs for Field Operations and Materials and Services				86.47	74.52
Interest on Operations	Cash Expense	Interest Rate	months		
	74.52	6.00%	8	2.98	2.98
Total Operating Expendable and Allocated Expenses per Unit Area				89.46	77.50
Management & Overhead (Allocated by)				10.52	10.52
Marketing		Gross		95.72	95.72
Real Estate Costs		\$ 0.48 per lb		8.06	7.23
	Taxes			0.28	0.28
	Opportunity			0.83	
	Other			0.07	0.07
	Rent			6.89	6.89
Total Cost per Unit Area				203.76	190.98

Crop Name Lettuce **Year** 2009
Area Unit Bed **Beds per Acre** 72.6
Labor Rate / Hr \$ 15.00 **Fuel Rate** \$ 2.13

Income 1,600 lb/Bed **yield @** \$ 5.63 **per lb**

Income per Bed	Gross	Economic			Cash		
		less Costs	= Net	Breakeven	Cost	= Net	Breakeven
9,000.00	1,646.82	7,353.18	1.03	1,634.04	7,365.96	1.02	

Operation	Unit	Times or Qty	Labor	Fuel and Lube	Repairs	Ownership	Total per Bed
Plow	Bed	1	3.75	0.18		1.35	5.27
Disc	Bed	1	3.75	0.18		0.76	4.69
Tiller	Bed	1	3.75	0.53		3.82	8.10
Grading	Bed	0.25	0.94	0.04		4.92	5.90
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Irrigation Installation	Bed	1	15.00				15.00
Hand Irrigation	Bed	2	15.00				15.00
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Weeding	Bed	3	11.25				11.25
Installing Row Cover	Bed	2	15.00				15.00
Total for Field Operations			75.94	1.29	0.00	11.95	89.17

Material Cost	Category	Application			Price	
		% Units	Rate	/Unit @	Per	Total per
Lettuce Seed	Seed	100%	3	Bed	17.20	51.60
Row Cover	Material	100%	3	bed	27.00	81.00
Total Material Costs and Custom Hire						132.60

				Economic	Cash
Costs for Field Operations and Materials and Services				221.77	209.82
Interest on Operations	Cash Expense	Interest Rate	months		
	209.82	6.00%	8	8.39	8.39
Total Operating Expendable and Allocated Expenses per Unit Area				230.17	218.22
Management & Overhead (Allocated by)		Gross		126.27	126.27
Marketing		\$ 0.80 per lb		1,282.32	1,282.32
Real Estate Costs				8.06	7.23
	Taxes			0.28	0.28
	Opportunity			0.83	
	Other			0.07	0.07
	Rent			6.89	6.89
Total Cost per Unit Area				1,646.82	1,634.04

Crop Name Onions **Year** 2009
Area Unit Bed **Beds per Acre** 72.6
Labor Rate / Hr \$ 15.00 **Fuel Rate** \$ 2.13

Income 600 bunch/Bed **yield @** \$ 2.38 **per bunch**

	Gross	Economic			Cash		
		less Costs	= Net	Breakeven	Cost	= Net	Breakeven
Income per Bed	1,425.00	343.53	1,081.47	0.57	330.75	1,094.25	0.55

Operation	Unit	Times or Qty	Labor	Fuel and Lube	Repairs	Ownership	Total per Bed
Plow	Bed	1	3.75	0.18		1.35	5.27
Disc	Bed	1	3.75	0.18		0.76	4.69
Tiller	Bed	1	3.75	0.53		3.82	8.10
Grading	Bed	0.25	0.94	0.04		4.92	5.90
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Irrigation Installation	Bed	1	15.00				15.00
Hand Irrigation	Bed	2	15.00				15.00
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Weeding	Bed	3	11.25				11.25
Installing Row Cover	Bed	2	15.00				15.00
Total for Field Operations			75.94	1.29	0.00	11.95	89.17

Material Cost	Category	Application		Price	
		% Units	Rate/Unit @	Per	Total per
Onion Seed	Seed	100%	1 Bed	5.00	5.00
Mulch	Material	100%	100 pounds	0.02	1.50
Total Material Costs and Custom Hire					6.50

				Economic	Cash
Costs for Field Operations and Materials and Services				95.67	83.72
Interest on Operations	Cash Expense	Interest Rate	months		
	83.72	6.00%	8	3.35	3.35
Total Operating Expendable and Allocated Expenses per Unit Area				99.02	87.07
Management & Overhead (Allocated by)		Gross		19.99	19.99
Marketing		\$ 0.36 per bunch		216.46	216.46
Real Estate Costs				8.06	7.23
	Taxes			0.28	0.28
	Opportunity			0.83	
	Other			0.07	0.07
	Rent			6.89	6.89
Total Cost per Unit Area				343.53	330.75

Crop Name Peas **Year** 2009
Area Unit Bed **Beds per Acre** 72.6
Labor Rate / Hr \$ 15.00 **Fuel Rate** \$ 2.13

Income 300 lb/Bed **yield @ \$ 3.67 per lb**

Income per Bed	Gross	Economic			Cash		
		less Costs	= Net	Breakeven	Cost	= Net	Breakeven
1,100.00	363.15	736.85	1.21	350.37	749.63	1.17	

Operation	Unit	Times or Qty	Labor	Fuel and Lube	Repairs	Ownership	Total per Bed
Plow	Bed	1	3.75	0.18		1.35	5.27
Disc	Bed	1	3.75	0.18		0.76	4.69
Tiller	Bed	1	3.75	0.53		3.82	8.10
Grading	Bed	0.25	0.94	0.04		4.92	5.90
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Irrigation Installation	Bed	1	15.00				15.00
Hand Irrigation	Bed	2	15.00				15.00
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Weeding	Bed	3	11.25				11.25
Installing Row Cover	Bed	2	15.00				15.00
Total for Field Operations			75.94	1.29	0.00	11.95	89.17

Material Cost	Category	Application			Price	
		% Units	Rate	/Unit @	Per	Total per
Pea Seed	Seed	100%	2	Bed	8.40	16.80
Row Cover	Material	100%	2	bed	27.00	54.00
Trellis Materials	Material	100%	2	bed	15.00	30.00
Mulch	Material	100%	100	pounds	0.02	1.50
Total Material Costs and Custom Hire						102.30

				Economic	Cash
Costs for Field Operations and Materials and Services				191.47	179.52
Interest on Operations	Cash Expense	Interest Rate	months		
	179.52	6.00%	8	7.18	7.18
Total Operating Expendable and Allocated Expenses per Unit Area				198.66	186.70
Management & Overhead (Allocated by)				15.43	15.43
Marketing		Gross		141.00	141.00
		\$ 0.47 per lb		8.06	7.23
Real Estate Costs				0.28	0.28
	Taxes			0.83	
	Opportunity			0.07	0.07
	Other			6.89	6.89
	Rent				
Total Cost per Unit Area				363.15	350.37

Crop Name Tomatoes **Year** 2009
Area Unit Bed **Beds per Acre** 72.6
Labor Rate / Hr \$ 15.00 **Fuel Rate** \$ 2.13

Income 2,250 lb/Bed **yield @** \$ 1.93 **per lb**

Income per Bed	Gross	Economic			Cash		
		less Costs	= Net	Breakeven	Cost	= Net	Breakeven
4,333.33	790.37	3,542.96	0.35	777.60	3,555.74	0.35	

Operation	Unit	Times or Qty	Labor	Fuel and Lube	Repairs	Ownership	Total per Bed
Plow	Bed	1	3.75	0.18		1.35	5.27
Disc	Bed	1	3.75	0.18		0.76	4.69
Tiller	Bed	1	3.75	0.53		3.82	8.10
Grading	Bed	0.25	0.94	0.04		4.92	5.90
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Irrigation Installation	Bed	1	15.00				15.00
Hand Irrigation	Bed	2	15.00				15.00
Cultivate	Bed	1	3.75	0.18		0.55	4.48
Weeding	Bed	3	11.25				11.25
Installing Row Cover	Bed	2	15.00				15.00
Total for Field Operations			75.94	1.29	0.00	11.95	89.17

Material Cost	Category	Application			Price	
		% Units	Rate	/Unit @	Per	Total per
Tomato Seed	Seed	100%	3	Bed	8.95	26.85
Row Cover	Material	100%	3	bed	27.00	81.00
Trellis Materials	Material	100%	3	bed	15.00	45.00
Mulch	Material	100%	100	pounds	0.02	1.50
Total Material Costs and Custom Hire						154.35

				Economic	Cash
Costs for Field Operations and Materials and Services				243.52	231.57
Interest on Operations	Cash Expense	Interest Rate	months		
	231.57	6.00%	8	9.26	9.26
Total Operating Expendable and Allocated Expenses per Unit Area				252.79	240.84
Management & Overhead (Allocated by)				60.80	60.80
Marketing		Gross		468.73	468.73
Real Estate Costs		\$ 0.21 per lb		8.06	7.23
	Taxes			0.28	0.28
	Opportunity			0.83	
	Other			0.07	0.07
	Rent			6.89	6.89
Total Cost per Unit Area				790.37	777.60