Model Farm 11/16/2009 Budget

ESTIMATED VARIABLE COSTS 2009

Date Last Revised: 11/16/2009

1,630 Acres

ENTERPRISE

VARIABLE COST PER ACRE	Corn	Soybeans	Wheat	Sweet Corn	Peas	Sugar Beets
Acres	550	500	80	120	80	300
Yield	182	50	63	8	4300	27.0
Fertilizer - Commercial	$ 193.00	$ -	$ 65.00	$ 65.00	$ 25.00	$ 50.00
Fertilizer - Manure Value	$ -	$ -	$ -	$ -	$ -	$ -
Seed	$ 114.00	$ 55.00	$ 31.00	$ -	$ -	$ 124.00
Chemical - Herbicides	$ 16.00	$ 22.00	$ 8.00	$ 35.00	$ 30.00	$ 107.00
Chemical - Insecticides	$ -	$ 12.00	$ 12.00	$ -	$ -	$ -
Chemical - Fungicides	$ 8.00	$ -	$ -	$ -	$ -	$ -
Crop Insurance - Multi-Peril	$ 26.00	$ 27.00	$ 31.11	$ 20.00	$ 35.00	$ 30.00
Crop Insurance - Hail	$ 4.00	$ 5.00	$ -	$ -	$ -	$ -
Fuel / Lube / Elect	$ 28.00	$ 13.00	$ 7.00	$ 17.00	$ 12.00	$ 25.00
Drying Costs	$ 26.00	$ -	$ -	$ -	$ -	$ -
Grain Bin Rent / Com Storage	$ 12.00	$ 2.00	$ 2.00	$ -	$ -	$ -
Hauling & Trucking	$ 10.00	$ -	$ -	$ -	$ -	$ 72.00
Equip Maint / Repairs	$ 15.00	$ 15.00	$ 7.00	$ 12.00	$ 7.00	$ 25.00
Hired Labor	$ 7.50	$ 3.00	$ -	$ -	$ -	$ 25.00
Custom Hire	$ -	$ -	$ -	$ -	$ -	$ 25.00
Utilities or Irrigation	$ -	$ -	$ -	$ -	$ -	$ -
Irrigation Maintenance	$ -	$ -	$ -	$ -	$ -	$ -
Marketing	$ 3.00	$ 3.00	$ 3.00	$ -	$ -	$ -
Supplies	$ 2.00	$ 2.00	$ 3.00	$ 3.00	$ 3.00	$ 10.00
Stock Ownership	$ -	$ -	$ -	$ -	$ -	$ 80.00
Other	$ -	$ -	$ -	$ -	$ -	$ -
Total Variable Costs Per Acre	$ 464.50	$ 159.00	$ 169.11	$ 152.00	$ 112.00	$ 573.00
Variable Costs Per Bushel or Unit	$ 2.55	$ 3.18	$ 2.71	$ 20.27	$ 0.03	$ 21.22
Total Variable Costs Per Enterprise	$ 255,475.00	$ 79,500.00	$ 13,528.80	$ 18,240.00	$ 8,960.00	$ 171,900.00
Total Overhead Costs Per Enterprise	$ 151,610.37	$ 137,827.61	$ 14,604.79	$ 33,078.63	$ 22,052.42	$ 90,150.45
Total Enterprise Variable & Overhead	$ 407,085.37	$ 217,327.61	$ 28,133.59	$ 51,318.63	$ 31,012.42	$ 262,050.45
Total Farm Crop Costs	$ 996,928.06					

VARIABLE COST TOTAL DOLLARS PER ENTERPRISE

2009 Crop Year	Corn	Soybeans	Wheat	Sweet Corn	Peas	Sugar Beets	Total Crops
Acres	550	500	80	120	80	300	1,630
Yield	182	50	63	8	4,300	27	
Fertilizer - Commercial	$ 106,150	$ -	$ 5,200	$ 7,800	$ 2,000	$ 15,000	$ 136,150
Fertilizer - Manure Value	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Seed	$ 62,700	$ 27,500	$ 2,480	$ -	$ -	$ 37,200	$ 129,880
Chemical - Herbicides	$ 8,800	$ 11,000	$ 640	$ 4,200	$ 2,400	$ 32,100	$ 59,140
Chemical - Insecticides	$ -	$ 6,000	$ 960	$ -	$ -	$ -	$ 6,960
Chemical - Fungicides	$ 4,400	$ -	$ -	$ -	$ -	$ -	$ 4,400
Crop Insurance - Multi-Peril	$ 14,300	$ 13,500	$ 2,489	$ 2,400	$ 2,800	$ 9,000	$ 44,489
Crop Insurance - Hail	$ 2,200	$ 2,500	$ -	$ -	$ -	$ -	$ 4,700
Fuel / Lube / Elect	$ 15,400	$ 6,500	$ 560	$ 2,040	$ 960	$ 7,500	$ 32,960
Drying Costs	$ 14,300	$ -	$ -	$ -	$ -	$ -	$ 14,300
Grain Bin Rent / Com Storage	$ 6,600	$ 1,000	$ 160	$ -	$ -	$ -	$ 7,760
Hauling & Trucking	$ 5,500	$ -	$ -	$ -	$ -	$ 21,600	$ 27,100
Equip Maint / Repairs	$ 8,250	$ 7,500	$ 560	$ 1,440	$ 560	$ 7,500	$ 25,810
Hired Labor	$ 4,125	$ 1,500	$ -	$ -	$ -	$ 7,500	$ 13,125
Custom Hire	$ -	$ -	$ -	$ -	$ -	$ 7,500	$ 7,500
Utilities or Irrigation	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Irrigation Maintenance	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Marketing	$ 1,650	$ 1,500	$ 240	$ -	$ -	$ -	$ 3,390
Supplies	$ 1,100	$ 1,000	$ 240	$ 360	$ 240	$ 3,000	$ 5,940
Stock Ownership	$ -	$ -	$ -	$ -	$ -	$ 24,000	$ 24,000
Other	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Variable Costs Per Enterprise	$ 255,475	$ 79,500	$ 13,529	$ 18,240	$ 8,960	$ 171,900	$ 547,604

Average Land Cost Calculations

RENTED ACRES					
Farm Description	Acres	Share	Acre Share	Rent	Total $
Farm 1	320.00	100%	320.00	$ 200.00	$ 64,000
Farm 2	400.00	100%	400.00	$ 210.00	$ 84,000
Farm 3	160.00	100%	160.00	$ 185.00	$ 29,600
Farm 4	120.00	100%	120.00	$ 175.00	$ 21,000
Farm 5	150.00	100%	150.00	$ 225.00	$ 33,750
Farm 6	0.00	100%	0.00	$ -	$ -
Farm 7	0.00	100%	0.00	$ -	$ -
Farm 8	0.00	100%	0.00	$ -	$ -
Farm 9	0.00	100%	0.00	$ -	$ -
Farm 10	0.00	100%	0.00	$ -	$ -
Totals Rented Acres	1150.00		1150.00	$ 202.04	$ 232,350

OWNED ACRES COSTS	
TOTAL ACRES OWNED	480.00

	Description	Acres	Per Acre	Total $
Long Term Principal & Interest		0.00	$ -	$ -
Long Term Principal & Interest	Farm 1	240.00	$ 122.92	$ 29,500.00
Long Term Principal & Interest	Farm 2	160.00	$ 145.00	$ 23,200.00
Long Term Principal & Interest	Farm 3	80.00	$ 165.00	$ 13,200.00
Long Term Principal & Interest		0.00	$ -	$ -
Long Term Principal & Interest		0.00	$ -	$ -
Property Taxes	Farm 1	240.00	$ 23.00	$ 5,520.00
Property Taxes	Farm 2	160.00	$ 23.00	$ 3,680.00
Property Taxes	Farm 3	80.00	$ 23.00	$ 1,840.00
Other		0.00	$ -	$ -
Totals		480.00	$ 160.29	$ 76,940

LAND COSTS	Acres		Acres Share		Total $
TOTAL FOR ALL ACRES	1630.00		1630.00		$ 309,290
AVERAGE LAND COST PER ACRE	$ 189.75		$ 189.75		

Wheat land cost of $96.65

Sugar Beet land cost of $214.59

ESTIMATED FIXED COSTS TO ALLOCATE

Item	Total	Crop Enterprises					
2009 Crop Year		Corn	Soybeans	Wheat	Sweet Corn	Peas	Sugar Beets
Acres	1,630	550	500	80	120	80	300
Enterprise Splits with Livestock	100.00%	33.7%	30.7%	4.9%	7.4%	4.9%	18.4%
Default Enterprise Splits	100.00%	33.7%	30.7%	4.9%	7.4%	4.9%	18.4%
Family Living	$ 54,000.00	34%	31%	5%	7%	5%	18%
Health Insurance (if not in family living)	$ 7,608.00	34%	31%	5%	7%	5%	18%
Taxes Income, FICA, Medicare	$ 23,000.00	34%	31%	5%	7%	5%	18%
Utilities (not irrigation)	$ 3,840.00	34%	31%	5%	7%	5%	18%
Insurance P&C (not crop ins)	$ 7,200.00	34%	31%	5%	7%	5%	18%
Insurance other than P&C (Life)	$ 2,640.00	34%	31%	5%	7%	5%	18%
School or College Tuition	$ -	34%	31%	5%	7%	5%	18%
Accounting & Other Prof Services	$ 860.00	34%	31%	5%	7%	5%	18%
Office Expense	$ 1,700.00	34%	31%	5%	7%	5%	18%
Dues, Business Meetings & Promotion	$ -	34%	31%	5%	7%	5%	18%
License (trucks & auto)	$ 1,380.00	34%	31%	5%	7%	5%	18%
Operating Loan Interest	$ 13,800.00	34%	31%	5%	7%	5%	18%
Equipment Loan Principal & Interest	$ 15,000.00	34%	31%	5%	7%	5%	18%
Short Term Principal & Interest	$ -	34%	31%	5%	7%	5%	18%
Intermediate Term Prin & Interest	$ -	34%	31%	5%	7%	5%	18%
Long Term Loan P&I	$ -	34%	31%	5%	7%	5%	18%
Equipment Lease	$ -	34%	31%	5%	7%	5%	18%
Grain Bin Principal & Interest	$ 9,000.00	34%	31%	5%	7%	5%	18%
FIXED EXPENSE & FAMILY LIVING	$ 140,028	$ 47,249	$ 42,953	$ 6,873	$ 10,309	$ 6,873	$ 25,772
FIXED EXPENSE PER ACRE / HEAD		$ 85.91	$ 85.91	$ 85.91	$ 85.91	$ 85.91	$ 85.91
FIXED PER BUSHEL		$ 0.47	$ 1.72	$ 1.37	$ 11.45	$ 0.02	$ 3.18
LAND EXPENSE ALLOCATION	100%	34%	31%	2.5%	7%	5%	20.8%
LAND COSTS	$ 309,290	$ 104,362	$ 94,874	$ 7,732	$ 22,770	$ 15,180	$ 64,378
LAND COSTS PER ACRE		$ 189.75	$ 189.75	$ 96.65	$ 189.75	$ 189.75	$ 214.59
LAND COSTS PER BUSHEL		$ 1.04	$ 3.79	$ 1.55	$ 25.30	$ 0.04	$ 7.95
OVERHEAD EXPENSE ALLOCATION	$ 449,318	$ 151,610	$ 137,828	$ 14,605	$ 33,079	$ 22,052	$ 90,150
OVERHEAD EXPENSE PER ACRE		$ 275.66	$ 275.66	$ 182.56	$ 275.66	$ 275.66	$ 300.50
OVERHEAD EXPENSE PER BUSHEL		$ 1.51	$ 5.51	$ 2.92	$ 36.75	$ 0.06	$ 11.13

ESTIMATED FIXED COSTS TO ALLOCATE

Dollars per Enterprise

Item	Total	Crop Enterprises					
2009 Crop Year		Corn	Soybeans	Wheat	Sweet Corn	Peas	Sugar Beets
Acres	1,630	550	500	80	120	80	300
Family Living	$ 54,000.00	$ 18,221	$ 16,564	$ 2,650	$ 3,975	$ 2,650	$ 9,939
Health Insurance (if not in family living)	$ 7,608.00	$ 2,567	$ 2,334	$ 373	$ 560	$ 373	$ 1,400
Taxes Income, FICA, Medicare	$ 23,000.00	$ 7,761	$ 7,055	$ 1,129	$ 1,693	$ 1,129	$ 4,233
Utilities (not irrigation)	$ 3,840.00	$ 1,296	$ 1,178	$ 188	$ 283	$ 188	$ 707
Insurance P&C (not crop ins)	$ 7,200.00	$ 2,429	$ 2,209	$ 353	$ 530	$ 353	$ 1,325
Insurance other than P&C (Life)	$ 2,640.00	$ 891	$ 810	$ 130	$ 194	$ 130	$ 486
School or College Tuition	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Accounting & Other Prof Services	$ 860.00	$ 290	$ 264	$ 42	$ 63	$ 42	$ 158
Office Expense	$ 1,700.00	$ 574	$ 521	$ 83	$ 125	$ 83	$ 313
Dues, Business Meetings & Promotion	$ -	$ -	$ -	$ -	$ -	$ -	$ -
License (trucks & auto)	$ 1,380.00	$ 466	$ 423	$ 68	$ 102	$ 68	$ 254
Operating Loan Interest	$ 13,800.00	$ 4,656	$ 4,233	$ 677	$ 1,016	$ 677	$ 2,540
Equipment Loan Principal & Interest	$ 15,000.00	$ 5,061	$ 4,601	$ 736	$ 1,104	$ 736	$ 2,761
Short Term Principal & Interest	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Intermediate Term Prin & Interest	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Long Term Loan P&I	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Equipment Lease	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Grain Bin Principal & Interest	$ 9,000.00	$ 3,037	$ 2,761	$ 442	$ 663	$ 442	$ 1,656
FIXED EXPENSE & FAMILY LIVING	$ 140,028	$ 47,249	$ 42,953	$ 6,873	$ 10,309	$ 6,873	$ 25,772
LAND COSTS	$ 309,290	$ 104,362	$ 94,874	$ 7,732	$ 22,770	$ 15,180	$ 64,378
TOTAL OVERHEAD	$ 449,318	$ 151,610	$ 137,828	$ 14,605	$ 33,079	$ 22,052	$ 90,150

Model Farm 11/16/2009 **Budget**

FIXED COSTS TO ALLOCATE - $$ PER ACRE or Head

Item	Total	Crop Enterprises					
2009 Crop Year		Corn	Soybeans	Wheat	Sweet Corn	Peas	Sugar Beets
Acres	1630	550	500	80	120	80	300
Family Living	$ 54,000.00	$ 33.13	$ 33.13	$ 33.13	$ 33.13	$ 33.13	$ 124.23
Health Insurance (if not in family living)	$ 7,608.00	$ 4.67	$ 4.67	$ 4.67	$ 4.67	$ 4.67	$ 17.50
Taxes Income, FICA, Medicare	$ 23,000.00	$ 14.11	$ 14.11	$ 14.11	$ 14.11	$ 14.11	$ 52.91
Utilities (not irrigation)	$ 3,840.00	$ 2.36	$ 2.36	$ 2.36	$ 2.36	$ 2.36	$ 8.83
Insurance P&C (not crop ins)	$ 7,200.00	$ 4.42	$ 4.42	$ 4.42	$ 4.42	$ 4.42	$ 16.56
Insurance other than P&C (Life)	$ 2,640.00	$ 1.62	$ 1.62	$ 1.62	$ 1.62	$ 1.62	$ 6.07
School or College Tuition	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Accounting & Other Prof Services	$ 860.00	$ 0.53	$ 0.53	$ 0.53	$ 0.53	$ 0.53	$ 1.98
Office Expense	$ 1,700.00	$ 1.04	$ 1.04	$ 1.04	$ 1.04	$ 1.04	$ 3.91
Dues, Business Meetings & Promotion	$ -	$ -	$ -	$ -	$ -	$ -	$ -
License (trucks & auto)	$ 1,380.00	$ 0.85	$ 0.85	$ 0.85	$ 0.85	$ 0.85	$ 3.17
Operating Loan Interest	$ 13,800.00	$ 8.47	$ 8.47	$ 8.47	$ 8.47	$ 8.47	$ 31.75
Equipment Loan Principal & Interest	$ 15,000.00	$ 9.20	$ 9.20	$ 9.20	$ 9.20	$ 9.20	$ 34.51
Short Term Principal & Interest	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Intermediate Term Prin & Interest	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Long Term Loan P&I	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Equipment Lease	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Grain Bin Principal & Interest	$ 9,000.00	$ 5.52	$ 5.52	$ 5.52	$ 5.52	$ 5.52	$ 20.71
FIXED PER ACRE / HEAD	$ 140,028	$ 85.91	$ 85.91	$ 85.91	$ 85.91	$ 85.91	$ 322.15
LAND PER ACRE	$ 309,290	$ 189.75	$ 189.75	$ 96.65	$ 189.75	$ 189.75	$ 214.59
OVERHEAD PER ACRE	$ 449,318	$ 275.66	$ 275.66	$ 182.56	$ 275.66	$ 275.66	$ 300.50

RETURN TO NET WORTH

Total Net Worth	$ 2,160,000						
Percent Return on Net Worth Desired	7.5%						
Total Return Goal	$ 162,000						
		Corn	Soybeans	Wheat	Sweet Corn	Peas	Sugar Beets
Portion of Return from this Enterprise	100.00%	34%	31%	5%	7%	5%	18%
Total Return from this Enterprise		$ 54,663	$ 49,693	$ 7,951	$ 11,926	$ 7,951	$ 29,816
Dollar Per Acre Goal		$ 99.39	$ 99.39	$ 99.39	$ 99.39	$ 99.39	$ 99.39
Dollar Per Bushel or UNIT Goal		$ 0.55	$ 1.99	$ 1.59	$ 13.25	$ 0.02	$ 3.68

Setting Your Profit Zone

Corn 2009 Enterprise Profit Zone

		Total		Per Acre
Overhead Allocation		$ 151,610		$ 276
Variable Costs Per Acre				$ 465
Total Costs Per Acre				$ 740
Return to Net Worth		$ 54,663		$ 99
Total Revenue Goal Per Acre				**$ 839.54**
Gross Revenue Goal				**$ 461,748**

Acres	Historical Average Yield	Yield as a % of historical average yield	Realized yield	Total Bushels	Costs/Bu	Revenue Goal / Bu (Costs+Profit)
550		120.00%	218.4	120,120	$ 3.39	$ 3.84
550		110.00%	200.2	110,110	$ 3.70	$ 4.19
550	**182.0**	**100.00%**	**182.0**	**100,100**	**$ 4.07**	**$ 4.61**
550		90.00%	163.8	90,090	$ 4.52	$ 5.13
550		75.00%	136.5	75,075	$ 5.42	$ 6.15

With Revenue Guarantee Per Acre $ 530.25 -0.50 basis per unit $ 439.250 Guarantee with basis

Corn 2009 Sensitivity Analysis Per Acre

$ 0.20 price differential 7.5 bushel differential

Cash Price Per Bushel	152.0	159.5	167.0	174.5	182.0	189.5	197.0
$1.85	$ (301)	$ (301)	$ (301)	$ (301)	$ (301)	$ (301)	$ (301)
$2.29	$ (301)	$ (301)	$ (301)	$ (301)	$ (301)	$ (301)	$ (288)
$2.74	$ (301)	$ (301)	$ (283)	$ (263)	$ (242)	$ (222)	$ (201)
$3.18	$ (257)	$ (233)	$ (209)	$ (185)	$ (161)	$ (138)	$ (114)
$3.62	$ (189)	$ (162)	$ (135)	$ (108)	$ (81)	$ (54)	$ (26)
$4.07	$ (122)	$ (92)	$ (61)	$ (31)	$ (0)	$ 31	$ 61
$4.27	$ (92)	$ (60)	$ (28)	$ 4	$ 36	$ 68	$ 100
$4.47	$ (61)	$ (28)	$ 6	$ 39	$ 73	$ 106	$ 140
$4.67	$ (31)	$ 4	$ 39	$ 74	$ 109	$ 144	$ 179
$4.87	$ (0)	$ 36	$ 73	$ 109	$ 146	$ 182	$ 219
$5.07	$ 30	$ 68	$ 106	$ 144	$ 182	$ 220	$ 258
$5.27	$ 60	$ 100	$ 139	$ 179	$ 218	$ 258	$ 297
$5.47	$ 91	$ 132	$ 173	$ 214	$ 255	$ 296	$ 337
$5.67	$ 121	$ 164	$ 206	$ 249	$ 291	$ 334	$ 376
$5.87	$ 152	$ 196	$ 240	$ 284	$ 328	$ 372	$ 416

Model Farm 11/16/2009 **Budget**

Soybeans 2009 Enterprise Profit Zone

		Total		Per Acre		
Overhead Allocation		$ 137,828		$ 276		
Variable Costs Per Acre				$ 159		
Total Costs Per Acre				$ 435		
Return to Net Worth		$ 49,693		$ 99		
Total Revenue Goal Per Acre				**$ 534**		
Gross Revenue Goal				**$ 267,021**		
Acres	Historical Average Yield	Yield as a % of historical average yield	Realized yield	Total Bushels	Costs/Bu	Revenue Goal / Bu (Costs+Profit)
500		120.00%	60.0	30,000	$ 7.24	$ 8.90
500		110.00%	55.0	27,500	$ 7.90	$ 9.71
500	**50**	**100.00%**	**50.0**	**25,000**	**$ 8.69**	**$ 10.68**
500		90.00%	45.0	22,500	$ 9.66	$ 11.87
500		75.00%	37.5	18,750	$ 11.59	$ 14.24

With Revenue Guarantee Per Acre $ 349.80 -0.70 basis per unit $ 314.800 Guarantee with basis

Soybeans 2009 Sensitivity Analysis Per Acre

$ 0.40 price differential 3 bushel differential

Cash Price Per Bushel	38	41	44	47	50	53	56
$4.90	$ (120)	$ (120)	$ (120)	$ (120)	$ (120)	$ (120)	$ (120)
$5.66	$ (120)	$ (120)	$ (120)	$ (120)	$ (120)	$ (120)	$ (118)
$6.42	$ (120)	$ (120)	$ (120)	$ (120)	$ (114)	$ (95)	$ (75)
$7.18	$ (120)	$ (120)	$ (119)	$ (97)	$ (76)	$ (54)	$ (33)
$7.93	$ (120)	$ (109)	$ (86)	$ (62)	$ (38)	$ (14)	$ 10
$8.69	$ (104)	$ (78)	$ (52)	$ (26)		$ 26	$ 52
$9.09	$ (89)	$ (62)	$ (35)	$ (7)	$ 20	$ 47	$ 75
$9.49	$ (74)	$ (45)	$ (17)	$ 12	$ 40	$ 68	$ 97
$9.89	$ (59)	$ (29)	$ 1	$ 30	$ 60	$ 90	$ 119
$10.29	$ (44)	$ (13)	$ 18	$ 49	$ 80	$ 111	$ 142
$10.29	$ (44)	$ (13)	$ 18	$ 49	$ 80	$ 111	$ 142
$10.69	$ (28)	$ 4	$ 36	$ 68	$ 100	$ 132	$ 164
$11.09	$ (13)	$ 20	$ 53	$ 87	$ 120	$ 153	$ 187
$11.49	$ 2	$ 37	$ 71	$ 106	$ 140	$ 174	$ 209
$11.89	$ 17	$ 53	$ 89	$ 124	$ 160	$ 196	$ 231

Model Farm 11/16/2009 **Budget**

Wheat 2009 Enterprise Profit Zone

		Total		Per Acre		
Overhead Allocation		$ 14,605		$ 183		
Variable Costs Per Acre				$ 169.11		
Total Costs Per Acre				$ 351.67		
Return to Net Worth		$ 7,951		$ 99.39		
Total Revenue Goal Per Acre				**$ 451.06**		
Gross Revenue Goal				**$ 36,085**		
Acres	Historical Average Yield	Yield as a % of historical average yield	Realized yield	Total Bushels	**Costs/Bu**	**Revenue Goal / Bu (Costs+Profit)**
80		120.00%	75.0	6,000	$ 4.69	$ 6.01
80		110.00%	68.8	5,500	$ 5.12	$ 6.56
80	**63**	**100.00%**	**62.5**	**5,000**	**$ 5.63**	**$ 7.22**
80		90.00%	56.3	4,500	$ 6.25	$ 8.02
80		75.00%	46.9	3,750	$ 7.50	$ 9.62

With Revenue Guarantee Per Acre $ 269.70 -0.50 basis per unit $ 238.450 Guarantee with basis

Wheat 2009 Sensitivity Analysis Per Acre

$ 0.20 price differential 5 bushel differential

Cash Price Per Bushel	43	48	53	58	63	68	73
$2.90	$ (113)	$ (113)	$ (113)	$ (113)	$ (113)	$ (113)	$ (113)
$3.45	$ (113)	$ (113)	$ (113)	$ (113)	$ (113)	$ (113)	$ (102)
$3.99	$ (113)	$ (113)	$ (113)	$ (113)	$ (102)	$ (82)	$ (62)
$4.54	$ (113)	$ (113)	$ (113)	$ (91)	$ (68)	$ (45)	$ (23)
$5.08	$ (113)	$ (110)	$ (85)	$ (59)	$ (34)	$ (9)	$ 17
$5.63	$ (113)	$ (84)	$ (56)	$ (28)		$ 28	$ 56
$5.83	$ (104)	$ (75)	$ (46)	$ (17)	$ 13	$ 42	$ 71
$6.03	$ (96)	$ (65)	$ (35)	$ (5)	$ 25	$ 55	$ 85
$6.23	$ (87)	$ (56)	$ (25)	$ 6	$ 38	$ 69	$ 100
$6.43	$ (79)	$ (46)	$ (14)	$ 18	$ 50	$ 82	$ 114
$6.63	$ (70)	$ (37)	$ (4)	$ 29	$ 63	$ 96	$ 129
$6.83	$ (62)	$ (27)	$ 7	$ 41	$ 75	$ 109	$ 143
$7.03	$ (53)	$ (18)	$ 17	$ 52	$ 88	$ 123	$ 158
$7.23	$ (45)	$ (8)	$ 28	$ 64	$ 100	$ 136	$ 172
$7.43	$ (36)	$ 1	$ 38	$ 75	$ 113	$ 150	$ 187

Sweet Corn 2009 Enterprise Profit Zone

		Total		Per Acre
Overhead Allocation		$ 33,079		$ 276
Variable Costs Per Acre				$ 152.00
Total Costs Per Acre				$ 427.66
Return to Net Worth		$ 11,926		$ 99.39
Total Revenue Goal Per Acre				**$ 527.04**
Gross Revenue Goal				**$ 63,245.01**

Acres	Historical Average Yield	Yield as a % of historical average yield	Realized yield	Total Bushels / Units	Costs / Bushel or Unit	Revenue Goal / Bu or Unit (Costs+Profit)
120		120.00%	9.0	1,080	$ 47.52	$ 58.56
120		110.00%	8.3	990	$ 51.84	$ 63.88
120	**7.5**	**100.00%**	**7.5**	**900**	**$ 57.02**	**$ 70.27**
120		90.00%	6.8	810	$ 63.36	$ 78.08
120		75.00%	5.6	675	$ 76.03	$ 93.70

With Out Revenue Guarantee

Sweet Corn 2009 Sensitivity Analysis Per Acre

$ 0.50 price differential 2 Yield differential

Cash Price Per Bushel / Unit	-1	2	4	6	8	10	12
$50.00	$ (428)	$ (353)	$ (253)	$ (153)	$ (53)	$ 47	$ 147
$51.40	$ (428)	$ (351)	$ (248)	$ (145)	$ (42)	$ 61	$ 163
$52.81	$ (428)	$ (348)	$ (243)	$ (137)	$ (32)	$ 74	$ 180
$54.21	$ (428)	$ (346)	$ (238)	$ (129)	$ (21)	$ 87	$ 196
$55.62	$ (428)	$ (344)	$ (233)	$ (122)	$ (11)	$ 101	$ 212
$57.02	$ (428)	$ (342)	$ (228)	$ (114)		$ 114	$ 228
$57.52	$ (428)	$ (341)	$ (226)	$ (111)	$ 4	$ 119	$ 234
$58.02	$ (428)	$ (341)	$ (225)	$ (109)	$ 8	$ 124	$ 240
$58.52	$ (428)	$ (340)	$ (223)	$ (106)	$ 11	$ 128	$ 245
$59.02	$ (428)	$ (339)	$ (221)	$ (103)	$ 15	$ 133	$ 251
$59.52	$ (428)	$ (338)	$ (219)	$ (100)	$ 19	$ 138	$ 257
$60.02	$ (428)	$ (338)	$ (218)	$ (98)	$ 23	$ 143	$ 263
$60.52	$ (428)	$ (337)	$ (216)	$ (95)	$ 26	$ 147	$ 268
$61.02	$ (428)	$ (336)	$ (214)	$ (92)	$ 30	$ 152	$ 274
$61.52	$ (428)	$ (335)	$ (212)	$ (89)	$ 34	$ 157	$ 280

Model Farm 11/16/2009 **Budget**

Peas 2009 Enterprise Profit Zone

		Total		Per Acre		
Overhead Allocation		$ 22,052		$ 276		
Variable Costs Per Acre				$ 112.00		
Total Costs Per Acre				$ 387.66		
Return to Net Worth		$ 7,951		$ 99.39		
Total Revenue Goal Per Acre				**$ 487.04**		
Gross Revenue Goal				**$ 38,963.34**		

Acres	Historical Average Yield	Yield as a % of historical average yield	Realized yield	Total Bushels / Units	**Costs / Bushel or Unit**	**Revenue Goal / Bu or Unit (Costs+Profit)**
80		120.00%	5160.0	412,800	$ 0.08	$ 0.09
80		110.00%	4730.0	378,400	$ 0.08	$ 0.10
80	**4300.0**	**100.00%**	**4300.0**	**344,000**	**$ 0.09**	**$ 0.11**
80		90.00%	3870.0	309,600	$ 0.10	$ 0.13
80		75.00%	3225.0	258,000	$ 0.12	$ 0.15

With Revenue Guarantee Per Acre $ 290.25 -0.005 basis per unit $ 268.750 Guarantee with basis

Peas 2009 Sensitivity Analysis Per Acre

$ 0.01 price differential 200 Yield differential

Cash Price Per Bushel / Unit	3500	3700	3900	4100	4300	4500	4700
$0.07	$ (119)	$ (119)	$ (115)	$ (101)	$ (87)	$ (73)	$ (59)
$0.07	$ (119)	$ (114)	$ (99)	$ (84)	$ (69)	$ (55)	$ (40)
$0.08	$ (114)	$ (99)	$ (83)	$ (68)	$ (52)	$ (36)	$ (21)
$0.08	$ (100)	$ (84)	$ (67)	$ (51)	$ (35)	$ (18)	$ (2)
$0.09	$ (86)	$ (69)	$ (52)	$ (35)	$ (17)	$ (0)	$ 17
$0.09	$ (72)	$ (54)	$ (36)	$ (18)		$ 18	$ 36
$0.10	$ (55)	$ (36)	$ (17)	$ 2	$ 22	$ 41	$ 60
$0.10	$ (37)	$ (17)	$ 3	$ 23	$ 43	$ 63	$ 83
$0.11	$ (20)	$ 1	$ 22	$ 43	$ 65	$ 86	$ 107
$0.11	$ (2)	$ 20	$ 42	$ 64	$ 86	$ 108	$ 130
$0.12	$ 15	$ 38	$ 61	$ 84	$ 108	$ 131	$ 154
$0.12	$ 33	$ 57	$ 81	$ 105	$ 129	$ 153	$ 177
$0.13	$ 50	$ 75	$ 100	$ 125	$ 151	$ 176	$ 201
$0.13	$ 68	$ 94	$ 120	$ 146	$ 172	$ 198	$ 224
$0.14	$ 85	$ 112	$ 139	$ 166	$ 194	$ 221	$ 248

Model Farm 11/16/2009 **Budget**

Sugar Beets 2009 Enterprise Profit Zone

		Total		Per Acre		
Overhead Allocation		$ 90,150		$ 301		
Variable Costs Per Acre				$ 573.00		
Total Costs Per Acre				$ 873.50		
Return to Net Worth		$ 29,816		$ 99.39		
Total Revenue Goal Per Acre				**$ 972.89**		
Gross Revenue Goal				**$ 291,866**		

Acres	Historical Average Yield	Yield as a % of historical average yield	Realized yield	Total Bushels / Units	Costs / Bushel or Unit	Revenue Goal / Bu or Unit (Costs+Profit)
300		120.00%	32.4	9,720	$ 26.96	$ 30.03
300		110.00%	29.7	8,910	$ 29.41	$ 32.76
300	**27.0**	**100.00%**	**27.0**	**8,100**	**$ 32.35**	**$ 36.03**
300		90.00%	24.3	7,290	$ 35.95	$ 40.04
300		75.00%	20.3	6,075	$ 43.14	$ 48.04

With Revenue Guarantee Per Acre $ 831.60 -0.01 basis per unit $ 831.330 Guarantee with basis

Sugar Beets 2009 Sensitivity Analysis Per Acre

$ 2.00 price differential 3 Yield differential

Cash Price Per Bushel / Unit	15.0	18.0	21.0	24.0	27.0	30.0	33.0
$30.00	$ (42)	$ (42)	$ (42)	$ (42)	$ (42)	$ 26	$ 116
$30.47	$ (42)	$ (42)	$ (42)	$ (42)	$ (42)	$ 41	$ 132
$30.94	$ (42)	$ (42)	$ (42)	$ (42)	$ (38)	$ 55	$ 148
$31.41	$ (42)	$ (42)	$ (42)	$ (42)	$ (25)	$ 69	$ 163
$31.88	$ (42)	$ (42)	$ (42)	$ (42)	$ (13)	$ 83	$ 179
$32.35	$ (42)	$ (42)	$ (42)	$ (42)		$ 97	$ 194
$34.35	$ (42)	$ (42)	$ (42)	$ (42)	$ 54	$ 157	$ 260
$36.35	$ (42)	$ (42)	$ (42)	$ (1)	$ 108	$ 217	$ 326
$38.35	$ (42)	$ (42)	$ (42)	$ 47	$ 162	$ 277	$ 392
$40.35	$ (42)	$ (42)	$ (26)	$ 95	$ 216	$ 337	$ 458
$42.35	$ (42)	$ (42)	$ 16	$ 143	$ 270	$ 397	$ 524
$44.35	$ (42)	$ (42)	$ 58	$ 191	$ 324	$ 457	$ 590
$46.35	$ (42)	$ (39)	$ 100	$ 239	$ 378	$ 517	$ 656
$48.35	$ (42)	$ (3)	$ 142	$ 287	$ 432	$ 577	$ 722
$50.35	$ (42)	$ 33	$ 184	$ 335	$ 486	$ 637	$ 788