

AgriProfit\$

2012

**Cost and Return Benchmarks
for Crops and Forages**

Grey Wooded Soil Zone

Alberta 
Government



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2012 Grey Wooded Soil Zone

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OVERVIEW

2012 Grey Wooded Soil Zone

The *AgriProfit\$* Business Analysis and Research Program provides a provincial overview of costs and returns for field crops and forages. The Economics Branch collects cost of production information annually from Alberta producers to generate regional benchmarks. Producer participants are critical to providing a financial representation of Alberta's cropping industry.

AgriProfit\$ cropping benchmarks are analyzed by soil zone group, top third producers, and owned land versus rented land where available. Top third averages are calculated from fields that have the highest return to equity. Analyzing crops by owned versus rented also provides insight into differences in management.

Benchmarks allow for comparison of individual crop costs and returns to other farms in a similar production area. Benchmarks should not replace individual cropping and financial records. There is a risk of over or underestimating costs and returns if basing them on regional benchmarks and forecasts. Strategic planning is more effective when individual costs are used. Managing unit costs of production is one of the most significant strategies to ensure profitability in a mature commodity market.

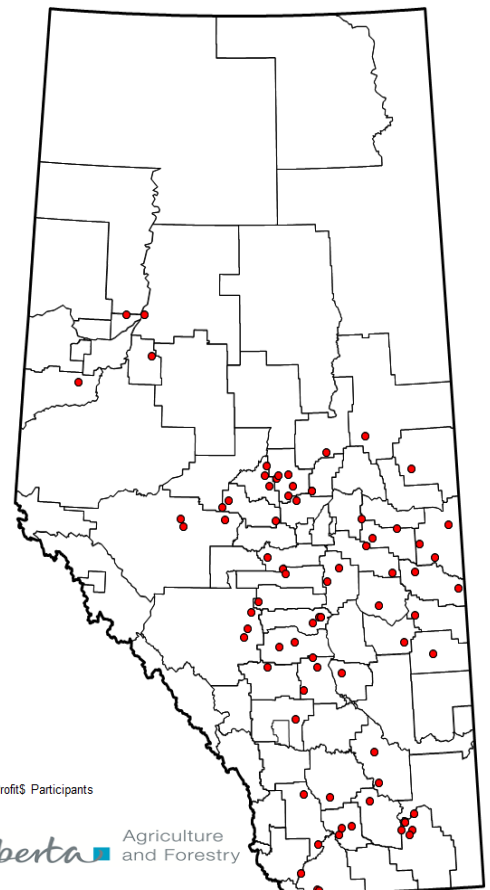
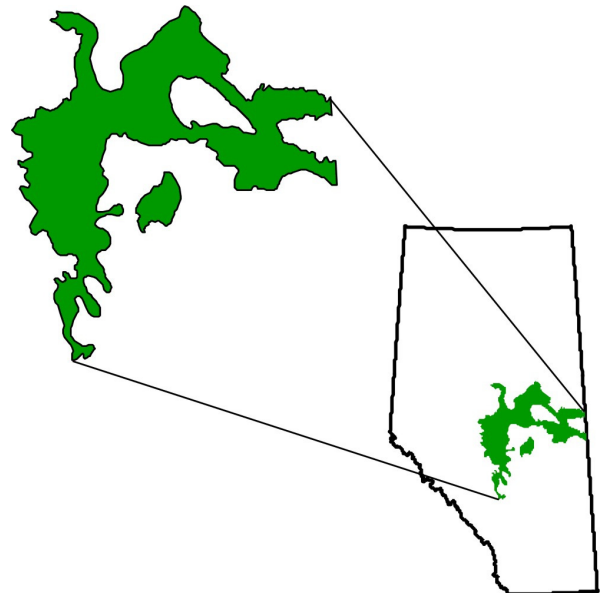
The top map shows the Grey Wooded Soil Zone in Alberta; this is the grouping method used for this study. Please note that farms highlighted within these zones may contain characteristics of neighbouring soil zones. The map on the bottom shows the distribution of the 2012 participants.

Questions or Comments:

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2012 AgriProfit\$ Participants

Alberta Agriculture and Forestry

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: *Spring Wheat - All*
Soil Zone: *All - Dryland*
Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	398.03	396.91	7.81	7.90
	2. Crop Insurance Receipts	1.75	0.00	0.03	0.00
	3. Other Receipts	10.04	3.27	0.20	0.07
	Gross Receipts	409.82	400.18	8.04	7.96
(B)	Cost Items				
	1. Seed	22.39	19.96	0.44	0.40
	2. Fertilizer	83.43	72.55	1.64	1.44
	3. Chemical	27.89	23.75	0.55	0.47
	4. Hail/Crop Insurance Premium	15.40	10.37	0.30	0.21
	5. Trucking and Marketing	4.87	0.64	0.10	0.01
	6. Fuel	18.03	14.62	0.35	0.29
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	19.05	13.57	0.37	0.27
	9. Repairs - Buildings	4.00	4.94	0.08	0.10
	10. Utilities and Miscellaneous	12.50	8.64	0.25	0.17
	11. Custom Work	2.80	3.19	0.05	0.06
	12. Operating Interest Paid	3.68	2.39	0.07	0.05
	13. Paid Labour	12.40	12.02	0.24	0.24
	14. Unpaid Labour	7.85	8.10	0.15	0.16
	Variable Costs	234.28	194.76	4.60	3.88
(C)	1. Cash/ Share Land Rent	25.59	19.49	0.50	0.39
	2. Taxes, Water Rates, License & Ins.	6.89	5.66	0.14	0.11
	3. Equipment and Building: a) Depreciation	41.58	35.45	0.82	0.71
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	10.30	11.58	0.20	1.44	
	Capital Costs	84.36	72.19	1.66	2.64
(D)	Cash Costs (B+C-B14-C3a)	269.21	223.40	5.28	5.65
(E)	Total Production Costs (B+C)	318.64	266.95	6.25	6.52
	Gross Margin (A-D)	140.61	176.78	2.76	2.31
	Return to Unpaid Labour (A-E+B14)	99.03	141.33	1.94	1.61
	Return to Investment (A-E+C4)	101.48	144.82	1.99	2.88
	Return to Equity (A-E)	91.18	133.23	1.79	1.45

Investment

Buildings	144.38	138.63
Machinery	369.05	306.67
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1156.11	1322.79

Management

Average Yield (Bushel/acre)	50.97	50.25
Expected Market Price (\$/Bushel)	7.81	7.90

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: Spring Wheat - Own
Soil Zone: All - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	388.00	408.48	7.93	8.14
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	2.86	2.29	0.06	0.05
	Gross Receipts	390.86	410.78	7.98	8.19
(B)	Cost Items				
	1. Seed	20.13	19.79	0.41	0.39
	2. Fertilizer	76.28	59.88	1.56	1.19
	3. Chemical	23.74	16.78	0.48	0.33
	4. Hail/Crop Insurance Premium	11.66	15.48	0.24	0.31
	5. Trucking and Marketing	1.71	0.34	0.03	0.01
	6. Fuel	17.61	20.04	0.36	0.40
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	15.84	10.20	0.32	0.20
	9. Repairs - Buildings	5.12	1.34	0.10	0.03
	10. Utilities and Miscellaneous	9.84	7.13	0.20	0.14
	11. Custom Work	4.14	0.00	0.08	0.00
	12. Operating Interest Paid	3.16	4.22	0.06	0.08
	13. Paid Labour	9.38	6.02	0.19	0.12
	14. Unpaid Labour	8.70	6.53	0.18	0.13
	Variable Costs	207.32	167.74	4.23	3.34
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	9.65	6.32	0.20	0.13
	3. Equipment and Building: a) Depreciation	35.67	45.66	0.73	0.91
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	20.37	3.70	0.42	1.11	
	Capital Costs	65.68	55.68	1.34	2.15
(D)	Cash Costs (B+C-B14-C3a)	228.64	171.23	4.67	4.45
(E)	Total Production Costs (B+C)	273.00	223.42	5.58	5.49
	Gross Margin (A-D)	162.22	239.55	3.31	3.74
	Return to Unpaid Labour (A-E+B14)	126.56	193.89	2.59	2.83
	Return to Investment (A-E+C4)	138.23	191.05	2.82	3.81
	Return to Equity (A-E)	117.86	187.36	2.41	2.70

Investment

Buildings	142.91	104.49
Machinery	306.83	427.92
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1938.49	2058.47

Management

Average Yield (Bushel/acre)	48.95	50.17
Expected Market Price (\$/Bushel)	7.93	8.14

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: *Spring Wheat - Rent*
Soil Zone: *All - Dryland*
Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	405.64	394.95	7.73	7.85	
	2. Crop Insurance Receipts	3.09	0.00	0.06	0.00	
	3. Other Receipts	15.50	4.52	0.30	0.09	
	Gross Receipts	424.23	399.46	8.08	7.94	
(B)	Cost Items					
	1. Seed	24.11	19.71	0.46	0.39	
	2. Fertilizer	88.87	70.46	1.69	1.40	
	3. Chemical	31.03	22.63	0.59	0.45	
	4. Hail/Crop Insurance Premium	18.23	8.36	0.35	0.17	
	5. Trucking and Marketing	7.26	1.00	0.14	0.02	
	6. Fuel	18.34	15.15	0.35	0.30	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	21.49	14.06	0.41	0.28	
	9. Repairs - Buildings	3.15	5.09	0.06	0.10	
	10. Utilities and Miscellaneous	14.52	9.37	0.28	0.19	
	11. Custom Work	1.78	2.41	0.03	0.05	
	12. Operating Interest Paid	4.07	1.21	0.08	0.02	
	13. Paid Labour	14.69	11.97	0.28	0.24	
	14. Unpaid Labour	7.21	7.97	0.14	0.16	
	Variable Costs	254.76	189.39	4.85	3.77	
(C)	1. Cash/ Share Land Rent	45.02	39.92	0.86	0.79	
	2. Taxes, Water Rates, License & Ins.	4.79	2.91	0.09	0.06	
	3. Equipment and Building: a) Depreciation	46.07	47.12	0.88	0.94	
	b) Lease Payments	0.00	0.00	0.00	0.00	
4. Paid Capital Interest	2.66	0.00	0.05	1.79		
	Capital Costs	98.55	89.95	1.88	3.58	
(D)	Cash Costs	(B+C-B14-C3a)	300.03	224.26	5.71	6.25
(E)	Total Production Costs	(B+C)	353.31	279.35	6.73	7.34
	Gross Margin	(A-D)	124.20	175.21	2.37	1.70
	Return to Unpaid Labour	(A-E+B14)	78.12	128.09	1.49	0.76
	Return to Investment	(A-E+C4)	73.57	120.12	1.40	2.39
	Return to Equity	(A-E)	70.91	120.12	1.35	0.60

Investment

Buildings	145.49	197.10
Machinery	416.32	405.52
Irrigation Machinery	0.00	0.00
Total (incl. Land)	561.81	602.62

Management

Average Yield	(Bushel/acre)	52.50	50.29
Expected Market Price	(\$/Bushel)	7.73	7.85

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: CPS Wheat - All
Soil Zone: All - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	335.28	373.96	7.18	6.61	
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00	
	3. Other Receipts	14.37	4.32	0.31	0.08	
	Gross Receipts	349.64	378.28	7.49	6.68	
(B)	Cost Items					
	1. Seed	24.52	17.73	0.53	0.31	
	2. Fertilizer	106.71	89.47	2.28	1.58	
	3. Chemical	35.40	26.91	0.76	0.48	
	4. Hail/Crop Insurance Premium	18.52	12.78	0.40	0.23	
	5. Trucking and Marketing	7.97	3.70	0.17	0.07	
	6. Fuel	21.98	13.61	0.47	0.24	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	23.22	11.94	0.50	0.21	
	9. Repairs - Buildings	1.24	3.07	0.03	0.05	
	10. Utilities and Miscellaneous	12.64	9.54	0.27	0.17	
	11. Custom Work	27.24	4.46	0.58	0.08	
	12. Operating Interest Paid	5.68	0.00	0.12	0.00	
	13. Paid Labour	13.11	12.62	0.28	0.22	
	14. Unpaid Labour	7.86	9.57	0.17	0.17	
	Variable Costs	306.09	215.40	6.55	3.81	
(C)	1. Cash/ Share Land Rent	42.16	30.13	0.90	0.53	
	2. Taxes, Water Rates, License & Ins.	7.24	5.39	0.16	0.10	
	3. Equipment and Building:	a) Depreciation	35.21	44.07	0.75	0.78
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	18.95	11.74	0.41	1.61	
	Capital Costs	103.56	91.33	2.22	3.02	
(D)	Cash Costs	366.58	253.09	7.85	5.88	
(E)	Total Production Costs	409.65	306.73	8.77	6.83	
	Gross Margin	(16.94)	125.19	(0.36)	0.81	
	Return to Unpaid Labour	(52.15)	81.12	(1.12)	0.03	
	Return to Investment	(41.07)	83.30	(0.88)	1.47	
	Return to Equity	(60.01)	71.55	(1.28)	(0.14)	

Investment

Buildings	133.23	200.11
Machinery	307.41	383.41
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1517.74	1237.97

Management

Average Yield	(Bushel/acre)	46.70	56.59
Expected Market Price	(\$/Bushel)	7.18	6.61

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: CPS Wheat - Own
Soil Zone: All - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	401.64	--	7.41	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	8.43	--	0.16	--	
	Gross Receipts	410.08	0.00	7.57	0.00	
(B)	Cost Items					
	1. Seed	23.90	--	0.44	--	
	2. Fertilizer	106.75	--	1.97	--	
	3. Chemical	38.93	--	0.72	--	
	4. Hail/Crop Insurance Premium	17.24	--	0.32	--	
	5. Trucking and Marketing	3.72	--	0.07	--	
	6. Fuel	24.40	--	0.45	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	21.88	--	0.40	--	
	9. Repairs - Buildings	1.35	--	0.02	--	
	10. Utilities and Miscellaneous	8.05	--	0.15	--	
	11. Custom Work	50.24	--	0.93	--	
	12. Operating Interest Paid	6.06	--	0.11	--	
	13. Paid Labour	9.50	--	0.18	--	
	14. Unpaid Labour	8.29	--	0.15	--	
Variable Costs	320.30	0.00	5.91	0.00		
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	11.42	--	0.21	--	
	3. Equipment and Building:	a) Depreciation	25.19	--	0.46	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	45.48	--	0.84	--	
Capital Costs	82.09	0.00	1.52	0.00		
(D)	Cash Costs	(B+C-B14-C3a)	368.91	--	6.81	
(E)	Total Production Costs	(B+C)	402.39	--	7.43	
	Gross Margin	(A-D)	41.17	--	0.76	
	Return to Unpaid Labour	(A-E+B14)	15.98	--	0.29	
	Return to Investment	(A-E+C4)	53.17	--	0.98	
	Return to Equity	(A-E)	7.69	--	0.14	

Investment

Buildings	144.97	--
Machinery	193.24	--
Irrigation Machinery	0.00	--
Total (incl. Land)	3336.81	--

Management

Average Yield	(Bushel/acre)	54.17	--
Expected Market Price	(\$/Bushel)	7.41	--

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: CPS Wheat - Rent
Soil Zone: All - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	298.07	377.91	7.01	6.88
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	17.69	1.25	0.42	0.02
	Gross Receipts	315.77	379.16	7.43	6.90
(B)	Cost Items				
	1. Seed	24.87	18.96	0.58	0.34
	2. Fertilizer	106.69	96.86	2.51	1.76
	3. Chemical	33.42	26.66	0.79	0.49
	4. Hail/Crop Insurance Premium	19.24	13.91	0.45	0.25
	5. Trucking and Marketing	10.35	3.62	0.24	0.07
	6. Fuel	20.62	17.14	0.49	0.31
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	23.98	13.90	0.56	0.25
	9. Repairs - Buildings	1.18	2.46	0.03	0.04
	10. Utilities and Miscellaneous	15.21	8.44	0.36	0.15
	11. Custom Work	14.35	19.20	0.34	0.35
	12. Operating Interest Paid	5.46	1.42	0.13	0.03
	13. Paid Labour	15.13	10.50	0.36	0.19
	14. Unpaid Labour	7.62	9.85	0.18	0.18
	Variable Costs	298.13	242.91	7.01	4.42
(C)	1. Cash/ Share Land Rent	65.80	45.99	1.55	0.84
	2. Taxes, Water Rates, License & Ins.	4.90	3.17	0.12	0.06
	3. Equipment and Building: a) Depreciation	40.83	40.72	0.96	0.74
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	4.07	1.61	0.10	1.67	
	Capital Costs	115.60	91.50	2.72	3.30
(D)	Cash Costs (B+C-B14-C3a)	365.27	283.84	8.59	6.80
(E)	Total Production Costs (B+C)	413.72	334.41	9.73	7.72
	Gross Margin (A-D)	(49.51)	95.32	(1.16)	0.10
	Return to Unpaid Labour (A-E+B14)	(90.33)	54.60	(2.12)	(0.64)
	Return to Investment (A-E+C4)	(93.89)	46.36	(2.21)	0.84
	Return to Equity (A-E)	(97.96)	44.74	(2.30)	(0.82)

Investment

Buildings	126.65	198.67
Machinery	371.42	346.49
Irrigation Machinery	0.00	0.00
Total (incl. Land)	498.07	545.16

Management

Average Yield (Bushel/acre)	42.52	54.95
Expected Market Price (\$/Bushel)	7.01	6.88

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: *Feed Barley - All*
Soil Zone: *All - Dryland*
Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	272.09	--	4.88	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	25.49	--	0.46	--	
	Gross Receipts	297.58	0.00	5.33	0.00	
(B)	Cost Items					
	1. Seed	18.21	--	0.33	--	
	2. Fertilizer	42.05	--	0.75	--	
	3. Chemical	13.00	--	0.23	--	
	4. Hail/Crop Insurance Premium	1.58	--	0.03	--	
	5. Trucking and Marketing	4.33	--	0.08	--	
	6. Fuel	21.32	--	0.38	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	28.88	--	0.52	--	
	9. Repairs - Buildings	5.11	--	0.09	--	
	10. Utilities and Miscellaneous	10.22	--	0.18	--	
	11. Custom Work	7.50	--	0.13	--	
	12. Operating Interest Paid	5.04	--	0.09	--	
	13. Paid Labour	0.98	--	0.02	--	
	14. Unpaid Labour	17.51	--	0.31	--	
Variable Costs	175.73	0.00	3.15	0.00		
(C)	1. Cash/ Share Land Rent	2.77	--	0.05	--	
	2. Taxes, Water Rates, License & Ins.	12.90	--	0.23	--	
	3. Equipment and Building:	a) Depreciation	25.85	--	0.46	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	2.10	--	0.04	--	
Capital Costs	43.62	0.00	0.78	0.00		
(D)	Cash Costs	176.00	--	3.16	--	
(E)	Total Production Costs	219.36	--	3.93	--	
	Gross Margin	121.58	--	2.18	--	
	Return to Unpaid Labour	95.73	--	1.72	--	
	Return to Investment	80.33	--	1.44	--	
	Return to Equity	78.22	--	1.40	--	

Investment

Buildings	111.03	--
Machinery	219.80	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1281.07	--

Management

Average Yield	(Bushel/acre)	55.78	--
Expected Market Price	(\$/Bushel)	4.88	--

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: *Feed Barley - Own*
Soil Zone: *All - Dryland*
Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	280.58	--	4.90	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	30.24	--	0.53	--	
	Gross Receipts	310.81	0.00	5.43	0.00	
(B)	Cost Items					
	1. Seed	18.61	--	0.33	--	
	2. Fertilizer	46.16	--	0.81	--	
	3. Chemical	14.53	--	0.25	--	
	4. Hail/Crop Insurance Premium	1.97	--	0.03	--	
	5. Trucking and Marketing	4.31	--	0.08	--	
	6. Fuel	21.87	--	0.38	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	31.25	--	0.55	--	
	9. Repairs - Buildings	5.43	--	0.09	--	
	10. Utilities and Miscellaneous	10.27	--	0.18	--	
	11. Custom Work	7.49	--	0.13	--	
	12. Operating Interest Paid	4.59	--	0.08	--	
	13. Paid Labour	1.22	--	0.02	--	
	14. Unpaid Labour	18.57	--	0.32	--	
Variable Costs	186.28	0.00	3.26	0.00		
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	14.18	--	0.25	--	
	3. Equipment and Building:	a) Depreciation	28.65	--	0.50	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	2.45	--	0.04	--	
Capital Costs	45.27	0.00	0.79	0.00		
(D)	Cash Costs	184.33	--	3.22	--	
(E)	Total Production Costs	231.55	--	4.05	--	
	Gross Margin	126.48	--	2.21	--	
	Return to Unpaid Labour	97.84	--	1.71	--	
	Return to Investment	81.71	--	1.43	--	
	Return to Equity	79.26	--	1.39	--	

Investment

Buildings	119.55	--
Machinery	248.12	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1551.11	--

Management

Average Yield	(Bushel/acre)	57.20	--
Expected Market Price	(\$/Bushel)	4.90	--

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: Oats - All
Soil Zone: All - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	215.45	--	2.57	--	
	2. Crop Insurance Receipts	8.11	--	0.10	--	
	3. Other Receipts	31.58	--	0.38	--	
	Gross Receipts	255.14	0.00	3.04	0.00	
(B)	Cost Items					
	1. Seed	11.66	--	0.14	--	
	2. Fertilizer	34.99	--	0.42	--	
	3. Chemical	10.47	--	0.12	--	
	4. Hail/Crop Insurance Premium	2.43	--	0.03	--	
	5. Trucking and Marketing	4.45	--	0.05	--	
	6. Fuel	18.95	--	0.23	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	16.62	--	0.20	--	
	9. Repairs - Buildings	1.93	--	0.02	--	
	10. Utilities and Miscellaneous	9.97	--	0.12	--	
	11. Custom Work	5.22	--	0.06	--	
	12. Operating Interest Paid	3.50	--	0.04	--	
	13. Paid Labour	1.96	--	0.02	--	
	14. Unpaid Labour	15.44	--	0.18	--	
	Variable Costs	137.61	0.00	1.64	0.00	
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	7.68	--	0.09	--	
	3. Equipment and Building:	a) Depreciation	21.78	--	0.26	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	7.06	--	0.08	--	
	Capital Costs	36.53	0.00	0.44	0.00	
(D)	Cash Costs	(B+C-B14-C3a)	136.91	--	1.63	--
(E)	Total Production Costs	(B+C)	174.14	--	2.07	--
	Gross Margin	(A-D)	118.23	--	1.41	--
	Return to Unpaid Labour	(A-E+B14)	96.44	--	1.15	--
	Return to Investment	(A-E+C4)	88.07	--	1.05	--
	Return to Equity	(A-E)	81.00	--	0.97	--

Investment

Buildings	105.82	--
Machinery	174.98	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1452.53	--

Management

Average Yield	(Bushel/acre)	83.94	--
Expected Market Price	(\$/Bushel)	2.57	--

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: Oats - Own
Soil Zone: All - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	215.45	--	2.57	--	
	2. Crop Insurance Receipts	8.11	--	0.10	--	
	3. Other Receipts	31.58	--	0.38	--	
	Gross Receipts	255.14	0.00	3.04	0.00	
(B)	Cost Items					
	1. Seed	11.66	--	0.14	--	
	2. Fertilizer	34.99	--	0.42	--	
	3. Chemical	10.47	--	0.12	--	
	4. Hail/Crop Insurance Premium	2.43	--	0.03	--	
	5. Trucking and Marketing	4.45	--	0.05	--	
	6. Fuel	18.95	--	0.23	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	16.62	--	0.20	--	
	9. Repairs - Buildings	1.93	--	0.02	--	
	10. Utilities and Miscellaneous	9.97	--	0.12	--	
	11. Custom Work	5.22	--	0.06	--	
	12. Operating Interest Paid	3.50	--	0.04	--	
	13. Paid Labour	1.96	--	0.02	--	
	14. Unpaid Labour	15.44	--	0.18	--	
Variable Costs	137.61	0.00	1.64	0.00		
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	7.68	--	0.09	--	
	3. Equipment and Building:	a) Depreciation	21.78	--	0.26	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	7.06	--	0.08	--	
Capital Costs	36.53	0.00	0.44	0.00		
(D)	Cash Costs	136.91	--	1.63	--	
(E)	Total Production Costs	174.14	--	2.07	--	
	Gross Margin	118.23	--	1.41	--	
	Return to Unpaid Labour	96.44	--	1.15	--	
	Return to Investment	88.07	--	1.05	--	
	Return to Equity	81.00	--	0.97	--	

Investment

Buildings	105.82	--
Machinery	174.98	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1452.53	--

Management

Average Yield	(Bushel/acre)	83.94	--
Expected Market Price	(\$/Bushel)	2.57	--

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: *Liberty Link Canola - All*
Soil Zone: *All - Dryland*
Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	488.58	522.09	12.87	13.03	
	2. Crop Insurance Receipts	84.49	90.29	2.23	2.25	
	3. Other Receipts	15.70	5.49	0.41	0.14	
	Gross Receipts	588.78	617.87	15.51	15.42	
(B)	Cost Items					
	1. Seed	44.91	42.84	1.18	1.07	
	2. Fertilizer	92.30	84.45	2.43	2.11	
	3. Chemical	11.14	4.10	0.29	0.10	
	4. Hail/Crop Insurance Premium	38.18	40.15	1.01	1.00	
	5. Trucking and Marketing	8.62	4.01	0.23	0.10	
	6. Fuel	18.90	20.35	0.50	0.51	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	20.55	13.28	0.54	0.33	
	9. Repairs - Buildings	1.25	0.89	0.03	0.02	
	10. Utilities and Miscellaneous	14.37	9.32	0.38	0.23	
	11. Custom Work	1.40	3.48	0.04	0.09	
	12. Operating Interest Paid	5.11	4.61	0.13	0.12	
	13. Paid Labour	15.03	9.28	0.40	0.23	
	14. Unpaid Labour	6.58	7.26	0.17	0.18	
	Variable Costs	278.35	244.01	7.33	6.09	
(C)	1. Cash/ Share Land Rent	21.28	7.70	0.56	0.19	
	2. Taxes, Water Rates, License & Ins.	6.70	4.99	0.18	0.12	
	3. Equipment and Building:	a) Depreciation	41.77	45.43	1.10	1.13
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	12.77	5.86	0.34	1.60	
	Capital Costs	82.53	63.98	2.17	3.05	
(D)	Cash Costs	312.53	255.30	8.23	7.82	
(E)	Total Production Costs	360.87	307.99	9.51	9.14	
	Gross Margin	276.25	362.57	7.28	7.60	
	Return to Unpaid Labour	234.48	317.14	6.18	6.46	
	Return to Investment	240.68	315.74	6.34	7.88	
	Return to Equity	227.90	309.88	6.00	6.28	

Investment

Buildings	100.12	107.83
Machinery	390.16	425.46
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1418.60	1748.55

Management

Average Yield	(Bushel/acre)	37.96	40.07
Expected Market Price	(\$/Bushel)	12.87	13.03

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: *Liberty Link Canola - Own*
Soil Zone: *All - Dryland*
Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	499.95	521.73	12.90	13.06	
	2. Crop Insurance Receipts	84.33	93.82	2.18	2.35	
	3. Other Receipts	11.96	3.40	0.31	0.08	
	Gross Receipts	596.24	618.94	15.39	15.49	
(B)	Cost Items					
	1. Seed	45.18	42.80	1.17	1.07	
	2. Fertilizer	87.72	83.18	2.26	2.08	
	3. Chemical	10.10	3.47	0.26	0.09	
	4. Hail/Crop Insurance Premium	36.57	39.49	0.94	0.99	
	5. Trucking and Marketing	7.03	3.00	0.18	0.08	
	6. Fuel	18.79	20.26	0.48	0.51	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	18.15	11.88	0.47	0.30	
	9. Repairs - Buildings	1.28	0.95	0.03	0.02	
	10. Utilities and Miscellaneous	12.69	8.36	0.33	0.21	
	11. Custom Work	1.20	2.46	0.03	0.06	
	12. Operating Interest Paid	4.62	4.36	0.12	0.11	
	13. Paid Labour	13.41	8.48	0.35	0.21	
	14. Unpaid Labour	6.84	7.37	0.18	0.18	
	Variable Costs	263.59	236.05	6.80	5.91	
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00	
	2. Taxes, Water Rates, License & Ins.	7.83	5.62	0.20	0.14	
	3. Equipment and Building:	a) Depreciation	41.86	45.71	1.08	1.14
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	18.38	7.09	0.47	1.46	
	Capital Costs	68.07	58.41	1.76	2.75	
(D)	Cash Costs	(B+C-B14-C3a)	282.96	241.39	7.30	7.33
(E)	Total Production Costs	(B+C)	331.66	294.46	8.56	8.65
	Gross Margin	(A-D)	313.28	377.55	8.08	8.16
	Return to Unpaid Labour	(A-E+B14)	271.42	331.85	7.00	7.02
	Return to Investment	(A-E+C4)	282.96	331.57	7.30	8.30
	Return to Equity	(A-E)	264.58	324.48	6.83	6.84

Investment

Buildings	106.81	111.36
Machinery	388.43	426.93
Irrigation Machinery	0.00	0.00
Total (incl. Land)	2005.05	2156.00

Management

Average Yield	(Bushel/acre)	38.75	39.96
Expected Market Price	(\$/Bushel)	12.90	13.06

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: *Liberty Link Canola - Rent*
Soil Zone: *All - Dryland*
Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	470.44	523.17	12.82	12.95	
	2. Crop Insurance Receipts	84.75	79.64	2.31	1.97	
	3. Other Receipts	21.67	11.81	0.59	0.29	
	Gross Receipts	576.86	614.63	15.72	15.21	
(B)	Cost Items					
	1. Seed	44.49	42.94	1.21	1.06	
	2. Fertilizer	99.62	88.30	2.71	2.19	
	3. Chemical	12.80	6.02	0.35	0.15	
	4. Hail/Crop Insurance Premium	40.77	42.14	1.11	1.04	
	5. Trucking and Marketing	11.15	7.05	0.30	0.17	
	6. Fuel	19.06	20.61	0.52	0.51	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	24.38	17.51	0.66	0.43	
	9. Repairs - Buildings	1.21	0.73	0.03	0.02	
	10. Utilities and Miscellaneous	17.06	12.21	0.46	0.30	
	11. Custom Work	1.70	6.57	0.05	0.16	
	12. Operating Interest Paid	5.90	5.37	0.16	0.13	
	13. Paid Labour	17.61	11.69	0.48	0.29	
	14. Unpaid Labour	6.16	6.94	0.17	0.17	
	Variable Costs	301.91	268.07	8.23	6.64	
(C)	1. Cash/ Share Land Rent	55.25	30.94	1.51	0.77	
	2. Taxes, Water Rates, License & Ins.	4.91	3.09	0.13	0.08	
	3. Equipment and Building:	a) Depreciation	41.63	44.60	1.13	1.10
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	3.82	2.16	0.10	2.00	
	Capital Costs	105.60	80.78	2.88	3.95	
(D)	Cash Costs	359.72	297.30	9.80	9.31	
(E)	Total Production Costs	407.51	348.85	11.10	10.58	
	Gross Margin	217.14	317.33	5.92	5.91	
	Return to Unpaid Labour	175.50	272.73	4.78	4.80	
	Return to Investment	173.16	267.94	4.72	6.63	
	Return to Equity	169.34	265.79	4.61	4.63	

Investment

Buildings	89.44	97.18
Machinery	392.92	421.00
Irrigation Machinery	0.00	0.00
Total (incl. Land)	482.37	518.17

Management

Average Yield	(Bushel/acre)	36.70	40.40
Expected Market Price	(\$/Bushel)	12.82	12.95

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: *Roundup Ready Canola - All*
Soil Zone: *All - Dryland*
Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	440.09	522.01	12.95	12.92
	2. Crop Insurance Receipts	2.90	4.93	0.09	0.12
	3. Other Receipts	6.00	1.32	0.18	0.03
Gross Receipts		448.99	528.26	13.21	13.08
(B)	Cost Items				
	1. Seed	42.97	44.46	1.26	1.10
	2. Fertilizer	97.75	83.07	2.88	2.06
	3. Chemical	12.11	9.98	0.36	0.25
	4. Hail/Crop Insurance Premium	22.08	19.41	0.65	0.48
	5. Trucking and Marketing	4.13	1.93	0.12	0.05
	6. Fuel	20.48	15.26	0.60	0.38
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	19.43	13.66	0.57	0.34
	9. Repairs - Buildings	3.25	3.45	0.10	0.09
	10. Utilities and Miscellaneous	11.03	8.47	0.32	0.21
	11. Custom Work	13.97	8.48	0.41	0.21
	12. Operating Interest Paid	3.64	1.14	0.11	0.03
	13. Paid Labour	8.38	10.65	0.25	0.26
	14. Unpaid Labour	8.29	8.12	0.24	0.20
Variable Costs		267.49	228.08	7.87	5.65
(C)	1. Cash/ Share Land Rent	31.43	34.80	0.92	0.86
	2. Taxes, Water Rates, License & Ins.	8.14	5.27	0.24	0.13
	3. Equipment and Building: a) Depreciation	35.40	35.44	1.04	0.88
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	4.70	0.92	0.14	1.89
Capital Costs		79.67	76.43	2.34	3.76
(D)	Cash Costs (B+C-B14-C3a)	303.47	260.96	8.93	8.33
(E)	Total Production Costs (B+C)	347.16	304.51	10.21	9.41
	Gross Margin (A-D)	145.51	267.31	4.28	4.75
	Return to Unpaid Labour (A-E+B14)	110.11	231.87	3.24	3.87
	Return to Investment (A-E+C4)	106.53	224.68	3.13	5.56
	Return to Equity (A-E)	101.83	223.75	3.00	3.67

Investment

Buildings	150.01	170.65
Machinery	302.71	296.49
Irrigation Machinery	0.00	0.00
Total (incl. Land)	948.76	840.34

Management

Average Yield (Bushel/acre)	33.99	40.39
Expected Market Price (\$/Bushel)	12.95	12.92

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: *Roundup Ready Canola - Own*
Soil Zone: *All - Dryland*
Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	351.89	400.58	13.32	13.15	
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00	
	3. Other Receipts	0.00	0.00	0.00	0.00	
	Gross Receipts	351.89	400.58	13.32	13.15	
(B)	Cost Items					
	1. Seed	41.92	36.67	1.59	1.20	
	2. Fertilizer	91.28	87.01	3.46	2.86	
	3. Chemical	18.78	27.60	0.71	0.91	
	4. Hail/Crop Insurance Premium	16.30	23.09	0.62	0.76	
	5. Trucking and Marketing	2.50	4.67	0.09	0.15	
	6. Fuel	21.80	19.31	0.83	0.63	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	16.96	12.43	0.64	0.41	
	9. Repairs - Buildings	4.97	1.97	0.19	0.06	
	10. Utilities and Miscellaneous	9.68	8.01	0.37	0.26	
	11. Custom Work	5.74	1.36	0.22	0.04	
	12. Operating Interest Paid	2.86	1.46	0.11	0.05	
	13. Paid Labour	1.46	1.70	0.06	0.06	
	14. Unpaid Labour	9.92	9.40	0.38	0.31	
	Variable Costs	244.16	234.68	9.24	7.70	
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00	
	2. Taxes, Water Rates, License & Ins.	13.02	11.02	0.49	0.36	
	3. Equipment and Building:	a) Depreciation	39.05	43.03	1.48	1.41
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	6.31	0.60	0.24	1.79	
	Capital Costs	58.39	54.65	2.21	3.57	
(D)	Cash Costs	253.57	236.91	9.60	9.55	
(E)	Total Production Costs	302.55	289.33	11.45	11.27	
	Gross Margin	98.32	163.68	3.72	3.60	
	Return to Unpaid Labour	59.27	120.65	2.24	2.19	
	Return to Investment	55.66	111.86	2.11	3.67	
	Return to Equity	49.34	111.25	1.87	1.88	

Investment

Buildings	171.27	170.65
Machinery	332.11	378.12
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1749.51	1986.24

Management

Average Yield	(Bushel/acre)	26.42	30.46
Expected Market Price	(\$/Bushel)	13.32	13.15

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: *Roundup Ready Canola - Rent*
Soil Zone: *All - Dryland*
Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	498.41	564.59	12.78	12.87
	2. Crop Insurance Receipts	4.81	6.66	0.12	0.15
	3. Other Receipts	9.97	1.79	0.26	0.04
	Gross Receipts	513.20	573.04	13.16	13.06
(B)	Cost Items				
	1. Seed	43.67	47.19	1.12	1.08
	2. Fertilizer	102.03	81.68	2.62	1.86
	3. Chemical	7.70	3.80	0.20	0.09
	4. Hail/Crop Insurance Premium	25.90	18.12	0.66	0.41
	5. Trucking and Marketing	5.20	0.97	0.13	0.02
	6. Fuel	19.61	13.84	0.50	0.32
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	21.06	14.09	0.54	0.32
	9. Repairs - Buildings	2.12	3.97	0.05	0.09
	10. Utilities and Miscellaneous	11.92	8.63	0.31	0.20
	11. Custom Work	19.41	10.98	0.50	0.25
	12. Operating Interest Paid	4.16	1.03	0.11	0.02
	13. Paid Labour	12.95	13.79	0.33	0.31
	14. Unpaid Labour	7.21	7.67	0.18	0.17
	Variable Costs	282.93	225.77	7.25	5.15
(C)	1. Cash/ Share Land Rent	52.21	47.00	1.34	1.07
	2. Taxes, Water Rates, License & Ins.	4.91	3.26	0.13	0.07
	3. Equipment and Building: a) Depreciation	32.98	32.78	0.85	0.75
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	3.63	1.03	0.09	1.92	
	Capital Costs	93.74	84.07	2.40	3.81
(D)	Cash Costs (B+C-B14-C3a)	336.48	269.39	8.63	8.03
(E)	Total Production Costs (B+C)	376.66	309.83	9.66	8.95
	Gross Margin (A-D)	176.72	303.65	4.53	5.03
	Return to Unpaid Labour (A-E+B14)	143.74	270.87	3.69	4.28
	Return to Investment (A-E+C4)	140.17	264.24	3.59	6.02
	Return to Equity (A-E)	136.53	263.20	3.50	4.11

Investment

Buildings	135.95	170.65
Machinery	283.27	267.86
Irrigation Machinery	0.00	0.00
Total (incl. Land)	419.22	438.51

Management

Average Yield (Bushel/acre)	39.00	43.88
Expected Market Price (\$/Bushel)	12.78	12.87

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: *Alfalfa Hay - All*
Soil Zone: *All - Dryland*
Unit: *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	144.44	195.13	72.69	75.50
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	3.73	2.22	1.88	0.86
	Gross Receipts	148.17	197.35	74.57	76.36
(B)	Cost Items				
	1. Seed	0.00	0.00	0.00	0.00
	2. Fertilizer	0.00	0.00	0.00	0.00
	3. Chemical	0.00	0.00	0.00	0.00
	4. Hail/Crop Insurance Premium	1.43	1.30	0.72	0.50
	5. Trucking and Marketing	1.19	0.00	0.60	0.00
	6. Fuel	16.87	13.16	8.49	5.09
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	15.76	12.15	7.93	4.70
	9. Repairs - Buildings	1.37	1.32	0.69	0.51
	10. Utilities and Miscellaneous	6.81	5.15	3.43	1.99
	11. Custom Work	0.00	0.00	0.00	0.00
	12. Operating Interest Paid	2.22	1.67	1.12	0.65
	13. Paid Labour	2.96	0.53	1.49	0.21
	14. Unpaid Labour	16.97	12.73	8.54	4.93
	Variable Costs	65.56	48.01	33.00	18.58
(C)	1. Cash/ Share Land Rent	13.93	17.88	7.01	6.92
	2. Taxes, Water Rates, License & Ins.	6.08	5.47	3.06	2.12
	3. Equipment and Building: a) Depreciation	25.76	22.81	12.96	8.82
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	4.31	6.54	2.17	20.39	
	Capital Costs	50.08	52.69	25.20	38.25
(D)	Cash Costs (B+C-B14-C3a)	72.92	65.16	36.70	43.07
(E)	Total Production Costs (B+C)	115.64	100.71	58.20	56.83
	Gross Margin (A-D)	75.25	132.18	37.87	33.29
	Return to Unpaid Labour (A-E+B14)	49.49	109.38	24.91	24.46
	Return to Investment (A-E+C4)	36.84	103.18	18.54	39.92
	Return to Equity (A-E)	32.52	96.64	16.37	19.53

Investment

Buildings	75.59	58.70
Machinery	227.09	205.44
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1148.15	1276.45

Management

Average Yield (Tonne/acre)	1.99	2.58
Expected Market Price (\$/Tonne)	72.69	75.50

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: *Alfalfa Hay - Own*
 Soil Zone: *All - Dryland*
 Unit: *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	163.09	199.47	71.05	73.07
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	3.60	4.16	1.57	1.52
Gross Receipts		166.69	203.63	72.62	74.60
(B)	Cost Items				
	1. Seed	0.00	0.00	0.00	0.00
	2. Fertilizer	0.00	0.00	0.00	0.00
	3. Chemical	0.00	0.00	0.00	0.00
	4. Hail/Crop Insurance Premium	1.93	2.44	0.84	0.89
	5. Trucking and Marketing	0.51	0.00	0.22	0.00
	6. Fuel	15.22	13.93	6.63	5.10
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	18.59	12.50	8.10	4.58
	9. Repairs - Buildings	2.24	1.39	0.98	0.51
	10. Utilities and Miscellaneous	7.70	4.68	3.36	1.71
	11. Custom Work	0.00	0.00	0.00	0.00
	12. Operating Interest Paid	2.34	2.47	1.02	0.90
	13. Paid Labour	3.14	0.49	1.37	0.18
	14. Unpaid Labour	16.98	12.67	7.40	4.64
Variable Costs		68.65	50.57	29.91	18.52
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	7.98	7.39	3.48	2.71
	3. Equipment and Building: a) Depreciation	28.14	20.87	12.26	7.65
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	6.98	12.18	3.04	14.82
Capital Costs		43.11	40.44	18.78	25.17
(D)	Cash Costs (B+C-B14-C3a)	66.64	57.47	29.03	31.41
(E)	Total Production Costs (B+C)	111.76	91.01	48.69	43.69
	Gross Margin (A-D)	100.06	146.17	43.59	43.19
	Return to Unpaid Labour (A-E+B14)	71.91	125.30	31.33	35.54
	Return to Investment (A-E+C4)	61.91	124.80	26.97	45.72
	Return to Equity (A-E)	54.93	112.63	23.93	30.90

Investment

Buildings	101.56	64.66
Machinery	236.86	177.78
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1822.73	1622.95

Management

Average Yield (Tonne/acre)	2.30	2.73
Expected Market Price (\$/Tonne)	71.05	73.07

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: *Alfalfa Hay - Rent*
Soil Zone: *All - Dryland*
Unit: *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	119.75	161.68	75.86	79.82	
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00	
	3. Other Receipts	3.90	0.00	2.47	0.00	
	Gross Receipts	123.65	161.68	78.32	79.82	
(B)	Cost Items					
	1. Seed	0.00	0.00	0.00	0.00	
	2. Fertilizer	0.00	0.00	0.00	0.00	
	3. Chemical	0.00	0.00	0.00	0.00	
	4. Hail/Crop Insurance Premium	0.77	0.00	0.48	0.00	
	5. Trucking and Marketing	2.09	0.00	1.33	0.00	
	6. Fuel	19.05	9.35	12.07	4.61	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	12.01	5.42	7.61	2.68	
	9. Repairs - Buildings	0.20	0.14	0.13	0.07	
	10. Utilities and Miscellaneous	5.63	3.71	3.57	1.83	
	11. Custom Work	0.00	0.00	0.00	0.00	
	12. Operating Interest Paid	2.05	1.70	1.30	0.84	
	13. Paid Labour	2.72	1.20	1.72	0.59	
	14. Unpaid Labour	16.95	8.60	10.74	4.24	
	Variable Costs	61.48	30.11	38.94	14.87	
(C)	1. Cash/ Share Land Rent	32.36	40.80	20.50	20.14	
	2. Taxes, Water Rates, License & Ins.	3.57	1.91	2.26	0.94	
	3. Equipment and Building:	a) Depreciation	22.60	20.85	14.31	10.29
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	0.78	0.67	0.50	31.71	
	Capital Costs	59.30	64.23	37.57	63.08	
(D)	Cash Costs					
		(B+C-B14-C3a)	81.23	64.89	51.46	63.41
(E)	Total Production Costs					
		(B+C)	120.78	94.34	76.51	77.95
	Gross Margin					
		(A-D)	42.42	96.79	26.87	16.41
	Return to Unpaid Labour					
		(A-E+B14)	19.82	75.94	12.55	6.11
	Return to Investment					
		(A-E+C4)	3.65	68.01	2.31	33.58
	Return to Equity					
		(A-E)	2.87	67.34	1.82	1.87

Investment

Buildings	41.21	42.15
Machinery	214.16	192.88
Irrigation Machinery	0.00	0.00
Total (incl. Land)	255.37	235.04

Management

Average Yield	(Tonne/acre)	1.58	2.03
Expected Market Price	(\$/Tonne)	75.86	79.82

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: *Mixed Grass Hay - All*
Soil Zone: *All - Dryland*
Unit: *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	115.76	--	65.39	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	5.56	--	3.14	--	
	Gross Receipts	121.32	0.00	68.53	0.00	
(B)	Cost Items					
	1. Seed	0.00	--	0.00	--	
	2. Fertilizer	0.00	--	0.00	--	
	3. Chemical	0.91	--	0.51	--	
	4. Hail/Crop Insurance Premium	0.90	--	0.51	--	
	5. Trucking and Marketing	0.56	--	0.31	--	
	6. Fuel	20.82	--	11.76	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	13.58	--	7.67	--	
	9. Repairs - Buildings	0.28	--	0.16	--	
	10. Utilities and Miscellaneous	3.32	--	1.88	--	
	11. Custom Work	0.00	--	0.00	--	
	12. Operating Interest Paid	0.84	--	0.47	--	
	13. Paid Labour	0.54	--	0.31	--	
	14. Unpaid Labour	13.15	--	7.43	--	
Variable Costs	54.89	0.00	31.01	0.00		
(C)	1. Cash/ Share Land Rent	2.71	--	1.53	--	
	2. Taxes, Water Rates, License & Ins.	3.96	--	2.23	--	
	3. Equipment and Building:	a) Depreciation	13.22	--	7.47	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	0.76	--	0.43	--	
Capital Costs	20.65	0.00	11.66	0.00		
(D)	Cash Costs	49.17	--	27.78	--	
(E)	Total Production Costs	75.54	--	42.67	--	
	<i>Gross Margin</i>	<i>72.14</i>	<i>--</i>	<i>40.75</i>	<i>--</i>	
	<i>Return to Unpaid Labour</i>	<i>58.93</i>	<i>--</i>	<i>33.29</i>	<i>--</i>	
	<i>Return to Investment</i>	<i>46.54</i>	<i>--</i>	<i>26.29</i>	<i>--</i>	
	<i>Return to Equity</i>	<i>45.78</i>	<i>--</i>	<i>25.86</i>	<i>--</i>	

Investment

Buildings	11.44	--
Machinery	134.19	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1178.48	--

Management

Average Yield	(Tonne/acre)	1.77	--
Expected Market Price	(\$/Tonne)	65.39	--

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: Grain Silage - All
Soil Zone: All - Dryland
Unit: Tonne

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	176.83	--	43.76	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	3.52	--	0.87	--	
	Gross Receipts	180.35	0.00	44.63	0.00	
(B)	Cost Items					
	1. Seed	16.24	--	4.02	--	
	2. Fertilizer	63.66	--	15.75	--	
	3. Chemical	13.18	--	3.26	--	
	4. Hail/Crop Insurance Premium	3.24	--	0.80	--	
	5. Trucking and Marketing	2.14	--	0.53	--	
	6. Fuel	18.48	--	4.57	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	13.40	--	3.32	--	
	9. Repairs - Buildings	0.24	--	0.06	--	
	10. Utilities and Miscellaneous	6.81	--	1.68	--	
	11. Custom Work	38.55	--	9.54	--	
	12. Operating Interest Paid	0.83	--	0.21	--	
	13. Paid Labour	0.54	--	0.13	--	
	14. Unpaid Labour	14.18	--	3.51	--	
Variable Costs	191.49	0.00	47.38	0.00		
(C)	1. Cash/ Share Land Rent	10.82	--	2.68	--	
	2. Taxes, Water Rates, License & Ins.	7.84	--	1.94	--	
	3. Equipment and Building:	a) Depreciation	28.36	--	7.02	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	9.68	--	2.40	--	
Capital Costs	56.70	0.00	14.03	0.00		
(D)	Cash Costs	205.65	--	50.89	--	
(E)	Total Production Costs	248.19	--	61.41	--	
	Gross Margin	(25.29)	--	(6.26)	--	
	Return to Unpaid Labour	(53.65)	--	(13.28)	--	
	Return to Investment	(58.15)	--	(14.39)	--	
	Return to Equity	(67.83)	--	(16.79)	--	

Investment

Buildings	51.69	--
Machinery	270.31	--
Irrigation Machinery	0.00	--
Total (incl. Land)	815.93	--

Management

Average Yield	(Tonne/acre)	4.04	--
Expected Market Price	(\$/Tonne)	43.76	--

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: Grain Silage - Rent
Soil Zone: All - Dryland
Unit: Tonne

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	128.36	--	49.71	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	0.00	--	0.00	--	
	Gross Receipts	128.36	0.00	49.71	0.00	
(B)	Cost Items					
	1. Seed	17.34	--	6.71	--	
	2. Fertilizer	74.13	--	28.71	--	
	3. Chemical	13.08	--	5.07	--	
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--	
	5. Trucking and Marketing	2.45	--	0.95	--	
	6. Fuel	17.57	--	6.80	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	14.96	--	5.79	--	
	9. Repairs - Buildings	0.19	--	0.07	--	
	10. Utilities and Miscellaneous	4.11	--	1.59	--	
	11. Custom Work	32.27	--	12.50	--	
	12. Operating Interest Paid	0.55	--	0.21	--	
	13. Paid Labour	0.31	--	0.12	--	
	14. Unpaid Labour	15.90	--	6.16	--	
Variable Costs	192.86	0.00	74.68	0.00		
(C)	1. Cash/ Share Land Rent	15.54	--	6.02	--	
	2. Taxes, Water Rates, License & Ins.	6.52	--	2.52	--	
	3. Equipment and Building:	a) Depreciation	28.43	--	11.01	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	3.55	--	1.37	--	
Capital Costs	54.04	0.00	20.93	0.00		
(D)	Cash Costs	202.56	--	78.44	--	
(E)	Total Production Costs	246.89	--	95.61	--	
	Gross Margin	(74.20)	--	(28.73)	--	
	Return to Unpaid Labour	(102.63)	--	(39.74)	--	
	Return to Investment	(114.99)	--	(44.53)	--	
	Return to Equity	(118.53)	--	(45.90)	--	

Investment

Buildings	46.61	--
Machinery	275.19	--
Irrigation Machinery	0.00	--
Total (incl. Land)	321.80	--

Management

Average Yield	(Tonne/acre)	2.58	--
Expected Market Price	(\$/Tonne)	49.71	--

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: Haylage - All
Soil Zone: All - Dryland
Unit: Tonne

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	222.55	--	44.79	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	2.39	--	0.48	--	
	Gross Receipts	224.94	0.00	45.27	0.00	
(B)	Cost Items					
	1. Seed	0.00	--	0.00	--	
	2. Fertilizer	0.00	--	0.00	--	
	3. Chemical	0.00	--	0.00	--	
	4. Hail/Crop Insurance Premium	3.72	--	0.75	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	26.02	--	5.24	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	16.13	--	3.25	--	
	9. Repairs - Buildings	0.95	--	0.19	--	
	10. Utilities and Miscellaneous	7.74	--	1.56	--	
	11. Custom Work	67.87	--	13.66	--	
	12. Operating Interest Paid	1.81	--	0.36	--	
	13. Paid Labour	8.78	--	1.77	--	
	14. Unpaid Labour	12.13	--	2.44	--	
Variable Costs	145.13	0.00	29.21	0.00		
(C)	1. Cash/ Share Land Rent	28.58	--	5.75	--	
	2. Taxes, Water Rates, License & Ins.	2.24	--	0.45	--	
	3. Equipment and Building:	a) Depreciation	27.44	--	5.52	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	1.07	--	0.22	--	
Capital Costs	59.33	0.00	11.94	0.00		
(D)	Cash Costs (B+C-B14-C3a)	164.89	--	33.19	--	
(E)	Total Production Costs (B+C)	204.46	--	41.15	--	
	Gross Margin (A-D)	60.04	--	12.08	--	
	Return to Unpaid Labour (A-E+B14)	32.60	--	6.56	--	
	Return to Investment (A-E+C4)	21.55	--	4.34	--	
	Return to Equity (A-E)	20.47	--	4.12	--	

Investment

Buildings	104.82	--
Machinery	230.80	--
Irrigation Machinery	0.00	--
Total (incl. Land)	640.31	--

Management

Average Yield (Tonne/acre)	4.97	--
Expected Market Price (\$/Tonne)	44.79	--

2012 Crop Enterprise Analysis

AgriProfit\$

Crop: Haylage - Rent
Soil Zone: All - Dryland
Unit: Tonne

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	221.44	--	44.94	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	0.00	--	0.00	--
	Gross Receipts	221.44	0.00	44.94	0.00
(B)	Cost Items				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	0.00	--	0.00	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	3.59	--	0.73	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	25.82	--	5.24	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	15.82	--	3.21	--
	9. Repairs - Buildings	0.92	--	0.19	--
	10. Utilities and Miscellaneous	8.33	--	1.69	--
	11. Custom Work	66.00	--	13.39	--
	12. Operating Interest Paid	1.89	--	0.38	--
	13. Paid Labour	8.58	--	1.74	--
14. Unpaid Labour	12.04	--	2.44	--	
	Variable Costs	142.98	0.00	29.02	0.00
(C)	1. Cash/ Share Land Rent	34.41	--	6.98	--
	2. Taxes, Water Rates, License & Ins.	1.67	--	0.34	--
	3. Equipment and Building: a) Depreciation	27.10	--	5.50	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	0.00	--	0.00	--	
	Capital Costs	63.17	0.00	12.82	0.00
(D)	Cash Costs (B+C-B14-C3a)	167.01	--	33.89	--
(E)	Total Production Costs (B+C)	206.15	--	41.84	--
	Gross Margin (A-D)	54.42	--	11.04	--
	Return to Unpaid Labour (A-E+B14)	27.32	--	5.55	--
	Return to Investment (A-E+C4)	15.29	--	3.10	--
	Return to Equity (A-E)	15.29	--	3.10	--

Investment

Buildings	101.60	--
Machinery	228.89	--
Irrigation Machinery	0.00	--
Total (incl. Land)	330.50	--

Management

Average Yield (Tonne/acre)	4.93	--
Expected Market Price (\$/Tonne)	44.94	--

DEFINITIONS AND ALLOCATIONS

I INCOME

- A Imputed Value of Production** – total of estimated yields/acre X estimated final prices
- B Crop Insurance Receipts** – added regardless of when payment is received
- C Miscellaneous Receipts** – such as patronage dividends or input rebates
- D Government Program Receipts** – allocated to all cropped acres equally
- E Straw/Aftermath Grazing Revenue** – value of straw + imputed value of grazing

II EXPENSES

- A Crop Specific Inputs** – allocated by producer to each crop as documented on the survey form
 1. **Seed**
 2. **Fertilizer**
 3. **Chemical**
 4. **Hail and Crop Insurance**
 5. **Custom Work and Specialized Labour**
 6. **Land Rent** – cash rent or crop share (converted to a cash basis)
- B Allocated Crop Inputs** – allocation ratios based on research from AAFRD
 1. **Irrigation to Dryland Ratio** – allocated to crops at a 3:1 ratio
 2. **Trucking and Marketing** – allocated to specific cropping acres by producer
 3. **Fuel** – Summerfallow – allocation of 0.3:1 compared to crop acres; Sugar beets – allocation of 2.96:1 compared to other irrigated crop acres
 4. **Irrigation Fuel** – allocation based on total pumping hours for each crop
 5. **Machinery Repairs** – allocated equally to all acres except summerfallow (0.3:1) and special crops (as specified by producer)
 6. **Building Repairs** – allocated to all acres equally except for special crops buildings
 7. **Operating Interest** – interest paid on operating loans allocated equally
 8. **Paid Labour** – based on allocations between crops as specified by producer
 9. **Unpaid and Operator Labour** – operator - \$10/hour, other unpaid labour - \$7.50/hour
 10. **Land Taxes** – allocated equally to all owned cropped acres
 11. **Water Rates** – allocated equally to all owned irrigated acres
 12. **Water Rates** – allocated equally to all owned irrigated acres
 13. **Equipment Depreciation** – imputed at 8.5% for power equipment, 11% for non-power, based on current market value

- 14. **Insurance and Licenses** – allocated to all cropped acres equally
- 15. **Building Depreciation** – imputed at 5% on the current market value
- 16. **Paid Capital Interest** – allocated to all owned cropped acres equally except summerfallow (0.25:1)

III CAPITAL INVESTMENT

- A Land** – producer estimate of bare land value for both irrigated and dryland owned acreage
- B Buildings** – allocated equally to all acreage except special crops buildings (allocated to the crop)
- C Equipment**
 1. **General Use** – allocated to all acres equally, except summerfallow (0.3:1)
 2. **Crop Specific** – allocated by producer to each crop based on percentage of use
 3. **Irrigation** – allocated according to pumping hours as specified by producer

IV SUMMARY CALCULATION

- A Gross Return** = imputed value of production + crop insurance receipts + miscellaneous receipts + government program payments + straw/grazing revenue
- B Variable Costs** = seed + fertilizer + chemicals + crop insurance + trucking and marketing + fuel + machinery and building repairs + utilities + miscellaneous overhead + custom work + operating interest + paid and unpaid labour
- C Total Capital Costs** = land rent + land taxes + water rates + insurance + depreciation + paid capital interest
- D Cash Costs** = variable costs + capital costs – unpaid labour – depreciation
- E Total Production Costs** = variable costs + total capital costs
- F Gross Margin** (returns left to cover total capital costs and operator equity) = gross return – total cash costs
- G Return to Unpaid Labour** (funds remaining after all expenses have been paid except unpaid labour) = gross return – total production costs + unpaid labour
- H Return to Investment** (shows the operation's ability to earn a return on its total assets) = gross return – total production costs + paid capital interest
- I Return to Equity** (amount remaining from operations used to provide a return to individual or shareholder equity) = gross return – total production costs