

AgriProfit\$

2013

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

Grey Wooded Soil Zone

Alberta 
Government



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2013 Grey Wooded Soil Zone

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OVERVIEW

2013 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.

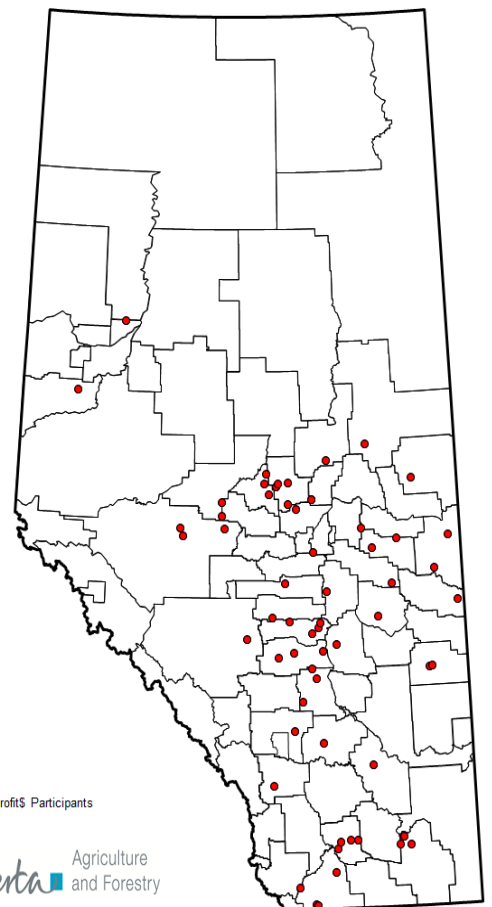
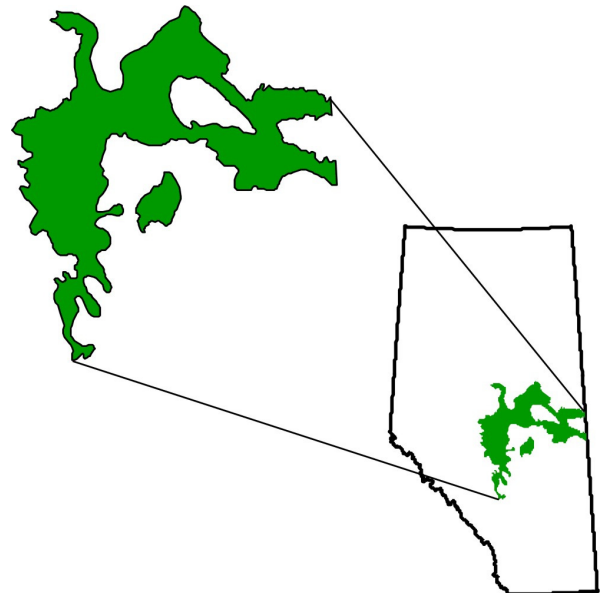
The top map shows the Grey Wooded Soil Zone in Alberta; this is the grouping method used for this study. Please note that farms highlighted within these zones may contain characteristics of neighbouring soil zones. The map on the bottom shows the distribution of the 2013 participants.

Questions or Comments:

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2013 AgriProfit\$ Participants



2013 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	317.89	328.19	5.92	6.05	
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00	
	3. Other Receipts	0.05	0.00	0.00	0.00	
	Gross Receipts	317.94	328.19	5.92	6.05	
(B)	Cost Items					
	1. Seed	23.94	17.19	0.45	0.32	
	2. Fertilizer	79.68	67.91	1.48	1.25	
	3. Chemical	32.97	31.94	0.61	0.59	
	4. Hail/Crop Insurance Premium	5.25	4.35	0.10	0.08	
	5. Trucking and Marketing	2.75	0.00	0.05	0.00	
	6. Fuel	17.48	13.58	0.33	0.25	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	11.42	9.85	0.21	0.18	
	9. Repairs - Buildings	1.57	0.46	0.03	0.01	
	10. Utilities and Miscellaneous	11.67	4.93	0.22	0.09	
	11. Custom Work	9.75	3.81	0.18	0.07	
	12. Operating Interest Paid	3.07	2.61	0.06	0.05	
	13. Paid Labour	0.57	0.00	0.01	0.00	
	14. Unpaid Labour	11.89	10.13	0.22	0.19	
	Variable Costs	212.01	166.74	3.95	3.08	
(C)	1. Cash/ Share Land Rent	14.70	24.26	0.27	0.45	
	2. Taxes, Water Rates, License & Ins.	5.23	3.33	0.10	0.06	
	3. Equipment and Building:	a) Depreciation	43.01	31.22	0.80	0.58
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	5.96	2.75	0.11	1.14	
	Capital Costs	68.90	61.56	1.28	2.22	
(D)	Cash Costs	(B+C-B14-C3a)	226.01	186.96	4.21	4.53
(E)	Total Production Costs	(B+C)	280.90	228.30	5.23	5.30
	Gross Margin	(A-D)	91.93	141.24	1.71	1.52
	Return to Unpaid Labour	(A-E+B14)	48.92	110.02	0.91	0.94
	Return to Investment	(A-E+C4)	43.00	102.64	0.80	1.89
	Return to Equity	(A-E)	37.04	99.89	0.69	0.76

Investment

Buildings	179.06	122.61
Machinery	344.84	252.81
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1250.94	666.97

Management

Average Yield	(Bushel/acre)	53.67	54.22
Expected Market Price	(\$/Bushel)	5.92	6.05

2013 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	287.68	246.20	5.40	4.50
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	0.07	0.00	0.00	0.00
	Gross Receipts	287.75	246.20	5.40	4.50
(B)	Cost Items				
	1. Seed	28.58	21.00	0.54	0.38
	2. Fertilizer	82.58	58.66	1.55	1.07
	3. Chemical	31.57	23.75	0.59	0.43
	4. Hail/Crop Insurance Premium	8.63	14.16	0.16	0.26
	5. Trucking and Marketing	4.15	0.00	0.08	0.00
	6. Fuel	21.31	20.33	0.40	0.37
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	11.60	7.89	0.22	0.14
	9. Repairs - Buildings	2.33	1.39	0.04	0.03
	10. Utilities and Miscellaneous	16.19	9.57	0.30	0.17
	11. Custom Work	11.59	0.00	0.22	0.00
	12. Operating Interest Paid	3.71	3.91	0.07	0.07
	13. Paid Labour	0.86	0.00	0.02	0.00
	14. Unpaid Labour	13.25	11.90	0.25	0.22
	Variable Costs	236.37	172.55	4.43	3.15
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	8.20	8.91	0.15	0.16
	3. Equipment and Building: a) Depreciation	45.78	22.66	0.86	0.41
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	7.85	0.00	0.15	0.58	
	Capital Costs	61.83	31.58	1.16	1.15
(D)	Cash Costs (B+C-B14-C3a)	239.17	169.56	4.49	3.68
(E)	Total Production Costs (B+C)	298.20	204.13	5.59	4.31
	Gross Margin (A-D)	48.58	76.63	0.91	0.82
	Return to Unpaid Labour (A-E+B14)	2.80	53.97	0.05	0.41
	Return to Investment (A-E+C4)	(2.59)	42.07	(0.05)	0.77
	Return to Equity (A-E)	(10.45)	42.07	(0.20)	0.19

Investment

Buildings	186.03	61.93
Machinery	371.02	201.49
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1821.41	1213.42

Management

Average Yield (Bushel/acre)	53.32	54.71
Expected Market Price (\$/Bushel)	5.40	4.50

2013 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	358.77	--	6.62	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	0.02	--	0.00	--	
	Gross Receipts	358.80	0.00	6.62	0.00	
(B)	Cost Items					
	1. Seed	17.67	--	0.33	--	
	2. Fertilizer	75.76	--	1.40	--	
	3. Chemical	34.86	--	0.64	--	
	4. Hail/Crop Insurance Premium	0.67	--	0.01	--	
	5. Trucking and Marketing	0.86	--	0.02	--	
	6. Fuel	12.30	--	0.23	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	11.16	--	0.21	--	
	9. Repairs - Buildings	0.55	--	0.01	--	
	10. Utilities and Miscellaneous	5.55	--	0.10	--	
	11. Custom Work	7.25	--	0.13	--	
	12. Operating Interest Paid	2.20	--	0.04	--	
	13. Paid Labour	0.18	--	0.00	--	
	14. Unpaid Labour	10.04	--	0.19	--	
Variable Costs	179.04	0.00	3.31	0.00		
(C)	1. Cash/ Share Land Rent	34.60	--	0.64	--	
	2. Taxes, Water Rates, License & Ins.	1.20	--	0.02	--	
	3. Equipment and Building:	a) Depreciation	39.26	--	0.72	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	3.40	--	0.06	--	
Capital Costs	78.46	0.00	1.45	0.00		
(D)	Cash Costs	208.21	--	3.84	--	
(E)	Total Production Costs	257.51	--	4.75	--	
	Gross Margin	150.59	--	2.78	--	
	Return to Unpaid Labour	111.33	--	2.06	--	
	Return to Investment	104.69	--	1.93	--	
	Return to Equity	101.29	--	1.87	--	

Investment

Buildings	169.63	--
Machinery	309.43	--
Irrigation Machinery	0.00	--
Total (incl. Land)	479.06	--

Management

Average Yield	(Bushel/acre)	54.16	--
Expected Market Price	(\$/Bushel)	6.62	--

2013 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	377.69	416.16	4.86	5.09	
	2. Crop Insurance Receipts	4.62	8.47	0.06	0.10	
	3. Other Receipts	5.92	13.21	0.08	0.16	
	Gross Receipts	388.22	437.84	4.99	5.36	
(B)	Cost Items					
	1. Seed	25.19	24.94	0.32	0.31	
	2. Fertilizer	73.22	71.48	0.94	0.87	
	3. Chemical	34.63	29.96	0.45	0.37	
	4. Hail/Crop Insurance Premium	26.86	27.99	0.35	0.34	
	5. Trucking and Marketing	0.37	0.50	0.00	0.01	
	6. Fuel	40.00	39.26	0.51	0.48	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	29.48	29.51	0.38	0.36	
	9. Repairs - Buildings	0.33	0.44	0.00	0.01	
	10. Utilities and Miscellaneous	15.00	15.39	0.19	0.19	
	11. Custom Work	41.25	40.11	0.53	0.49	
	12. Operating Interest Paid	5.56	5.79	0.07	0.07	
	13. Paid Labour	3.79	3.62	0.05	0.04	
	14. Unpaid Labour	13.30	13.60	0.17	0.17	
	Variable Costs	308.98	302.60	3.97	3.70	
(C)	1. Cash/ Share Land Rent	35.37	34.66	0.45	0.42	
	2. Taxes, Water Rates, License & Ins.	5.12	5.34	0.07	0.07	
	3. Equipment and Building:	a) Depreciation	19.03	19.49	0.24	0.24
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	1.70	1.99	0.02	0.75	
	Capital Costs	61.23	61.48	0.79	1.48	
(D)	Cash Costs	337.88	330.98	4.35	4.78	
(E)	Total Production Costs	370.21	364.08	4.76	5.18	
	Gross Margin	50.34	106.86	0.65	0.58	
	Return to Unpaid Labour	31.31	87.36	0.40	0.34	
	Return to Investment	19.72	75.75	0.25	0.93	
	Return to Equity	18.02	73.76	0.23	0.17	

Investment

Buildings	163.35	160.75
Machinery	121.43	127.72
Irrigation Machinery	0.00	0.00
Total (incl. Land)	612.08	579.04

Management

Average Yield	(Bushel/acre)	77.76	81.75
Expected Market Price	(\$/Bushel)	4.86	5.09

2013 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	264.53	--	4.09	--	
	2. Crop Insurance Receipts	7.41	--	0.11	--	
	3. Other Receipts	16.53	--	0.26	--	
	Gross Receipts	288.47	0.00	4.46	0.00	
(B)	Cost Items					
	1. Seed	22.79	--	0.35	--	
	2. Fertilizer	45.81	--	0.71	--	
	3. Chemical	30.79	--	0.48	--	
	4. Hail/Crop Insurance Premium	43.91	--	0.68	--	
	5. Trucking and Marketing	0.27	--	0.00	--	
	6. Fuel	23.51	--	0.36	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	10.59	--	0.16	--	
	9. Repairs - Buildings	0.21	--	0.00	--	
	10. Utilities and Miscellaneous	6.85	--	0.11	--	
	11. Custom Work	15.07	--	0.23	--	
	12. Operating Interest Paid	0.83	--	0.01	--	
	13. Paid Labour	0.47	--	0.01	--	
	14. Unpaid Labour	11.50	--	0.18	--	
Variable Costs	212.59	0.00	3.28	0.00		
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	5.69	--	0.09	--	
	3. Equipment and Building:	a) Depreciation	20.61	--	0.32	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	4.90	--	0.08	--	
Capital Costs	31.21	0.00	0.48	0.00		
(D)	Cash Costs	(B+C-B14-C3a)	211.68	--	3.27	
(E)	Total Production Costs	(B+C)	243.79	--	3.77	
	Gross Margin	(A-D)	76.79	--	1.19	
	Return to Unpaid Labour	(A-E+B14)	56.18	--	0.87	
	Return to Investment	(A-E+C4)	49.58	--	0.77	
	Return to Equity	(A-E)	44.68	--	0.69	

Investment

Buildings	64.92	--
Machinery	205.76	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1397.10	--

Management

Average Yield	(Bushel/acre)	64.72	--
Expected Market Price	(\$/Bushel)	4.09	--

2013 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	424.03	--	5.10	--	
	2. Crop Insurance Receipts	3.47	--	0.04	--	
	3. Other Receipts	1.58	--	0.02	--	
	Gross Receipts	429.08	0.00	5.16	0.00	
(B)	Cost Items					
	1. Seed	26.17	--	0.31	--	
	2. Fertilizer	84.45	--	1.02	--	
	3. Chemical	36.21	--	0.44	--	
	4. Hail/Crop Insurance Premium	19.88	--	0.24	--	
	5. Trucking and Marketing	0.41	--	0.00	--	
	6. Fuel	46.76	--	0.56	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	37.21	--	0.45	--	
	9. Repairs - Buildings	0.39	--	0.00	--	
	10. Utilities and Miscellaneous	18.34	--	0.22	--	
	11. Custom Work	51.97	--	0.63	--	
	12. Operating Interest Paid	7.49	--	0.09	--	
	13. Paid Labour	5.14	--	0.06	--	
	14. Unpaid Labour	14.03	--	0.17	--	
Variable Costs	348.46	0.00	4.19	0.00		
(C)	1. Cash/ Share Land Rent	49.86	--	0.60	--	
	2. Taxes, Water Rates, License & Ins.	4.88	--	0.06	--	
	3. Equipment and Building:	a) Depreciation	18.39	--	0.22	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	0.39	--	0.00	--	
Capital Costs	73.52	0.00	0.88	0.00		
(D)	Cash Costs	(B+C-B14-C3a)	389.57	--	4.69	
(E)	Total Production Costs	(B+C)	421.98	--	5.08	
	Gross Margin	(A-D)	39.51	--	0.48	
	Return to Unpaid Labour	(A-E+B14)	21.13	--	0.25	
	Return to Investment	(A-E+C4)	7.49	--	0.09	
	Return to Equity	(A-E)	7.09	--	0.09	

Investment

Buildings	203.66	--
Machinery	86.88	--
Irrigation Machinery	0.00	--
Total (incl. Land)	290.55	--

Management

Average Yield	(Bushel/acre)	83.10	--
Expected Market Price	(\$/Bushel)	5.10	--

2013 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	262.03	304.79	3.63	4.15
	2. Crop Insurance Receipts	42.24	57.56	0.59	0.78
	3. Other Receipts	16.85	4.60	0.23	0.06
	Gross Receipts	321.11	366.95	4.45	4.99
(B)	Cost Items				
	1. Seed	18.62	11.46	0.26	0.16
	2. Fertilizer	69.93	73.69	0.97	1.00
	3. Chemical	30.45	34.28	0.42	0.47
	4. Hail/Crop Insurance Premium	25.87	25.38	0.36	0.35
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	15.81	12.34	0.22	0.17
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	13.09	10.45	0.18	0.14
	9. Repairs - Buildings	2.89	0.04	0.04	0.00
	10. Utilities and Miscellaneous	4.89	3.34	0.07	0.05
	11. Custom Work	6.18	6.64	0.09	0.09
	12. Operating Interest Paid	0.95	1.75	0.01	0.02
	13. Paid Labour	0.13	0.07	0.00	0.00
	14. Unpaid Labour	14.87	9.51	0.21	0.13
	Variable Costs	203.66	188.95	2.82	2.57
(C)	1. Cash/ Share Land Rent	14.37	17.93	0.20	0.24
	2. Taxes, Water Rates, License & Ins.	6.22	5.13	0.09	0.07
	3. Equipment and Building: a) Depreciation	54.15	32.83	0.75	0.45
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	6.23	6.46	0.09	0.85	
	Capital Costs	80.97	62.34	1.12	1.61
(D)	Cash Costs				
	(B+C-B14-C3a)	215.61	208.96	2.99	3.60
(E)	Total Production Costs				
	(B+C)	284.63	251.30	3.95	4.18
	Gross Margin	(A-D)	105.50	157.99	1.46
	Return to Unpaid Labour	(A-E+B14)	51.35	125.16	0.71
	Return to Investment	(A-E+C4)	42.70	122.11	0.59
	Return to Equity	(A-E)	36.48	115.66	0.51

Investment

Buildings	180.29	137.13
Machinery	495.48	264.42
Irrigation Machinery	0.00	0.00
Total (incl. Land)	2166.85	1377.16

Management

Average Yield	(Bushel/acre)	72.15	73.48
Expected Market Price	(\$/Bushel)	3.63	4.15

2013 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	270.76	--	3.64	--	
	2. Crop Insurance Receipts	24.19	--	0.32	--	
	3. Other Receipts	22.65	--	0.30	--	
	Gross Receipts	317.60	0.00	4.26	0.00	
(B)	Cost Items					
	1. Seed	15.97	--	0.21	--	
	2. Fertilizer	62.61	--	0.84	--	
	3. Chemical	28.13	--	0.38	--	
	4. Hail/Crop Insurance Premium	21.33	--	0.29	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	14.63	--	0.20	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	16.04	--	0.22	--	
	9. Repairs - Buildings	5.28	--	0.07	--	
	10. Utilities and Miscellaneous	5.29	--	0.07	--	
	11. Custom Work	2.66	--	0.04	--	
	12. Operating Interest Paid	0.98	--	0.01	--	
	13. Paid Labour	0.00	--	0.00	--	
	14. Unpaid Labour	19.05	--	0.26	--	
	Variable Costs	191.96	0.00	2.58	0.00	
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	9.67	--	0.13	--	
	3. Equipment and Building:	a) Depreciation	77.51	--	1.04	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	9.24	--	0.12	--	
	Capital Costs	96.43	0.00	1.29	0.00	
(D)	Cash Costs	(B+C-B14-C3a)	191.83	--	2.58	--
(E)	Total Production Costs	(B+C)	288.39	--	3.87	--
	Gross Margin	(A-D)	125.78	--	1.69	--
	Return to Unpaid Labour	(A-E+B14)	48.26	--	0.65	--
	Return to Investment	(A-E+C4)	38.46	--	0.52	--
	Return to Equity	(A-E)	29.22	--	0.39	--

Investment

Buildings	247.60	--
Machinery	717.50	--
Irrigation Machinery	0.00	--
Total (incl. Land)	3695.32	--

Management

Average Yield	(Bushel/acre)	74.48	--
Expected Market Price	(\$/Bushel)	3.64	--

2013 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	251.52	--	3.63	--
	2. Crop Insurance Receipts	63.95	--	0.92	--
	3. Other Receipts	9.86	--	0.14	--
	Gross Receipts	325.33	0.00	4.69	0.00
(B)	Cost Items				
	1. Seed	21.81	--	0.31	--
	2. Fertilizer	78.74	--	1.14	--
	3. Chemical	33.24	--	0.48	--
	4. Hail/Crop Insurance Premium	31.32	--	0.45	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	17.23	--	0.25	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	9.54	--	0.14	--
	9. Repairs - Buildings	0.02	--	0.00	--
	10. Utilities and Miscellaneous	4.40	--	0.06	--
	11. Custom Work	10.41	--	0.15	--
	12. Operating Interest Paid	0.90	--	0.01	--
	13. Paid Labour	0.28	--	0.00	--
	14. Unpaid Labour	9.84	--	0.14	--
	Variable Costs	217.75	0.00	3.14	0.00
(C)	Capital Costs				
	1. Cash/ Share Land Rent	31.66	--	0.46	--
	2. Taxes, Water Rates, License & Ins.	2.07	--	0.03	--
	3. Equipment and Building: a) Depreciation	26.04	--	0.38	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	2.60	--	0.04	--
	Capital Costs	62.37	0.00	0.90	0.00
(D)	Cash Costs (B+C-B14-C3a)	244.23	--	3.52	--
(E)	Total Production Costs (B+C)	280.11	--	4.04	--
	Gross Margin (A-D)	81.10	--	1.17	--
	Return to Unpaid Labour (A-E+B14)	55.06	--	0.79	--
	Return to Investment (A-E+C4)	47.81	--	0.69	--
	Return to Equity (A-E)	45.21	--	0.65	--

Investment

Buildings	99.30	--
Machinery	228.32	--
Irrigation Machinery	0.00	--
Total (incl. Land)	327.62	--

Management

Average Yield (Bushel/acre)	69.34	--
Expected Market Price (\$/Bushel)	3.63	--

2013 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	318.20	--	2.94	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	21.94	--	0.20	--	
	Gross Receipts	340.14	0.00	3.15	0.00	
(B)	Cost Items					
	1. Seed	18.61	--	0.17	--	
	2. Fertilizer	48.50	--	0.45	--	
	3. Chemical	14.40	--	0.13	--	
	4. Hail/Crop Insurance Premium	0.76	--	0.01	--	
	5. Trucking and Marketing	3.56	--	0.03	--	
	6. Fuel	20.85	--	0.19	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	18.54	--	0.17	--	
	9. Repairs - Buildings	0.60	--	0.01	--	
	10. Utilities and Miscellaneous	10.07	--	0.09	--	
	11. Custom Work	5.54	--	0.05	--	
	12. Operating Interest Paid	4.84	--	0.04	--	
	13. Paid Labour	4.79	--	0.04	--	
	14. Unpaid Labour	13.10	--	0.12	--	
Variable Costs	164.16	0.00	1.52	0.00		
(C)	1. Cash/ Share Land Rent	2.02	--	0.02	--	
	2. Taxes, Water Rates, License & Ins.	4.66	--	0.04	--	
	3. Equipment and Building:	a) Depreciation	23.54	--	0.22	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	2.11	--	0.02	--	
Capital Costs	32.34	0.00	0.30	0.00		
(D)	Cash Costs	(B+C-B14-C3a)	159.85	--	1.48	
(E)	Total Production Costs	(B+C)	196.49	--	1.82	
	Gross Margin	(A-D)	180.29	--	1.67	
	Return to Unpaid Labour	(A-E+B14)	156.75	--	1.45	
	Return to Investment	(A-E+C4)	145.76	--	1.35	
	Return to Equity	(A-E)	143.65	--	1.33	

Investment

Buildings	94.12	--
Machinery	216.13	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1264.36	--

Management

Average Yield	(Bushel/acre)	108.13	--
Expected Market Price	(\$/Bushel)	2.94	--

2013 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	326.14	--	2.96	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	18.62	--	0.17	--	
	Gross Receipts	344.76	0.00	3.13	0.00	
(B)	Cost Items					
	1. Seed	17.69	--	0.16	--	
	2. Fertilizer	47.88	--	0.43	--	
	3. Chemical	13.99	--	0.13	--	
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--	
	5. Trucking and Marketing	3.96	--	0.04	--	
	6. Fuel	20.67	--	0.19	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	19.66	--	0.18	--	
	9. Repairs - Buildings	0.67	--	0.01	--	
	10. Utilities and Miscellaneous	10.47	--	0.10	--	
	11. Custom Work	4.62	--	0.04	--	
	12. Operating Interest Paid	5.38	--	0.05	--	
	13. Paid Labour	5.27	--	0.05	--	
	14. Unpaid Labour	13.42	--	0.12	--	
Variable Costs	163.69	0.00	1.49	0.00		
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	4.84	--	0.04	--	
	3. Equipment and Building:	a) Depreciation	24.07	--	0.22	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	2.18	--	0.02	--	
Capital Costs	31.10	0.00	0.28	0.00		
(D)	Cash Costs	157.29	--	1.43	--	
(E)	Total Production Costs	194.79	--	1.77	--	
	Gross Margin	187.48	--	1.70	--	
	Return to Unpaid Labour	163.40	--	1.48	--	
	Return to Investment	152.16	--	1.38	--	
	Return to Equity	149.98	--	1.36	--	

Investment

Buildings	98.06	--
Machinery	219.07	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1378.41	--

Management

Average Yield	(Bushel/acre)	110.16	--
Expected Market Price	(\$/Bushel)	2.96	--

2013 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	411.29	--	10.28	--	
	2. Crop Insurance Receipts	18.36	--	0.46	--	
	3. Other Receipts	0.00	--	0.00	--	
	Gross Receipts	429.65	0.00	10.74	0.00	
(B)	Cost Items					
	1. Seed	50.63	--	1.27	--	
	2. Fertilizer	100.04	--	2.50	--	
	3. Chemical	23.15	--	0.58	--	
	4. Hail/Crop Insurance Premium	12.54	--	0.31	--	
	5. Trucking and Marketing	3.64	--	0.09	--	
	6. Fuel	15.64	--	0.39	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	11.77	--	0.29	--	
	9. Repairs - Buildings	0.15	--	0.00	--	
	10. Utilities and Miscellaneous	7.73	--	0.19	--	
	11. Custom Work	9.47	--	0.24	--	
	12. Operating Interest Paid	2.92	--	0.07	--	
	13. Paid Labour	0.80	--	0.02	--	
	14. Unpaid Labour	11.16	--	0.28	--	
Variable Costs	249.63	0.00	6.24	0.00		
(C)	1. Cash/ Share Land Rent	19.07	--	0.48	--	
	2. Taxes, Water Rates, License & Ins.	2.54	--	0.06	--	
	3. Equipment and Building:	a) Depreciation	35.13	--	0.88	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	8.03	--	0.20	--	
Capital Costs	64.77	0.00	1.62	0.00		
(D)	Cash Costs	268.11	--	6.70	--	
(E)	Total Production Costs	314.40	--	7.86	--	
	Gross Margin	161.54	--	4.04	--	
	Return to Unpaid Labour	126.41	--	3.16	--	
	Return to Investment	123.28	--	3.08	--	
	Return to Equity	115.25	--	2.88	--	

Investment

Buildings	137.51	--
Machinery	284.16	--
Irrigation Machinery	0.00	--
Total (incl. Land)	965.99	--

Management

Average Yield	(Bushel/acre)	40.01	--
Expected Market Price	(\$/Bushel)	10.28	--

2013 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	405.40	488.53	10.51	10.92
	2. Crop Insurance Receipts	9.21	2.38	0.24	0.05
	3. Other Receipts	0.07	0.08	0.00	0.00
Gross Receipts		414.68	490.99	10.75	10.98
(B)	Cost Items				
	1. Seed	52.24	62.11	1.35	1.39
	2. Fertilizer	93.28	95.93	2.42	2.14
	3. Chemical	26.73	21.53	0.69	0.48
	4. Hail/Crop Insurance Premium	12.82	10.41	0.33	0.23
	5. Trucking and Marketing	1.65	0.12	0.04	0.00
	6. Fuel	19.36	16.17	0.50	0.36
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	12.03	11.11	0.31	0.25
	9. Repairs - Buildings	1.91	1.88	0.05	0.04
	10. Utilities and Miscellaneous	12.12	9.34	0.31	0.21
	11. Custom Work	6.90	5.70	0.18	0.13
	12. Operating Interest Paid	2.66	1.30	0.07	0.03
	13. Paid Labour	0.56	0.08	0.01	0.00
	14. Unpaid Labour	11.89	10.82	0.31	0.24
Variable Costs		254.17	246.50	6.59	5.51
(C)	1. Cash/ Share Land Rent	18.89	25.80	0.49	0.58
	2. Taxes, Water Rates, License & Ins.	4.57	3.28	0.12	0.07
	3. Equipment and Building: a) Depreciation	43.81	47.57	1.14	1.06
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	3.70	3.59	0.10	1.79
Capital Costs		70.97	80.24	1.84	3.51
(D)	Cash Costs	269.44	268.36	6.99	7.71
(E)	Total Production Costs	325.13	326.75	8.43	9.02
	<i>Gross Margin</i>	<i>145.24</i>	<i>222.63</i>	<i>3.77</i>	<i>3.26</i>
	<i>Return to Unpaid Labour</i>	<i>101.43</i>	<i>175.06</i>	<i>2.63</i>	<i>2.20</i>
	<i>Return to Investment</i>	<i>93.25</i>	<i>167.84</i>	<i>2.42</i>	<i>3.75</i>
	<i>Return to Equity</i>	<i>89.54</i>	<i>164.24</i>	<i>2.32</i>	<i>1.96</i>

Investment

Buildings	192.37	216.43
Machinery	351.15	380.89
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1008.57	840.65

Management

Average Yield	(Bushel/acre)	38.57	44.72
Expected Market Price	(\$/Bushel)	10.51	10.92

2013 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	321.51	--	10.12	--	
	2. Crop Insurance Receipts	16.03	--	0.50	--	
	3. Other Receipts	0.03	--	0.00	--	
	Gross Receipts	337.57	0.00	10.63	0.00	
(B)	Cost Items					
	1. Seed	42.89	--	1.35	--	
	2. Fertilizer	89.73	--	2.82	--	
	3. Chemical	33.63	--	1.06	--	
	4. Hail/Crop Insurance Premium	17.45	--	0.55	--	
	5. Trucking and Marketing	3.08	--	0.10	--	
	6. Fuel	20.05	--	0.63	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	10.43	--	0.33	--	
	9. Repairs - Buildings	1.53	--	0.05	--	
	10. Utilities and Miscellaneous	12.65	--	0.40	--	
	11. Custom Work	4.24	--	0.13	--	
	12. Operating Interest Paid	3.92	--	0.12	--	
	13. Paid Labour	0.64	--	0.02	--	
	14. Unpaid Labour	12.55	--	0.40	--	
Variable Costs	252.79	0.00	7.96	0.00		
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	7.95	--	0.25	--	
	3. Equipment and Building:	a) Depreciation	35.06	--	1.10	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	5.91	--	0.19	--	
Capital Costs	48.92	0.00	1.54	0.00		
(D)	Cash Costs	254.10	--	8.00	--	
(E)	Total Production Costs	301.71	--	9.50	--	
	Gross Margin	83.47	--	2.63	--	
	Return to Unpaid Labour	48.41	--	1.52	--	
	Return to Investment	41.77	--	1.32	--	
	Return to Equity	35.86	--	1.13	--	

Investment

Buildings	128.04	--
Machinery	290.17	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1602.26	--

Management

Average Yield	(Bushel/acre)	31.77	--
Expected Market Price	(\$/Bushel)	10.12	--

2013 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	459.65	482.35	10.70	10.97	
	2. Crop Insurance Receipts	4.80	3.26	0.11	0.07	
	3. Other Receipts	0.09	0.00	0.00	0.00	
	Gross Receipts	464.55	485.62	10.81	11.05	
(B)	Cost Items					
	1. Seed	58.29	63.77	1.36	1.45	
	2. Fertilizer	95.59	97.33	2.22	2.21	
	3. Chemical	22.27	26.61	0.52	0.61	
	4. Hail/Crop Insurance Premium	9.82	13.69	0.23	0.31	
	5. Trucking and Marketing	0.73	0.17	0.02	0.00	
	6. Fuel	18.91	13.35	0.44	0.30	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	13.08	10.47	0.30	0.24	
	9. Repairs - Buildings	2.16	0.04	0.05	0.00	
	10. Utilities and Miscellaneous	11.78	3.41	0.27	0.08	
	11. Custom Work	8.61	7.41	0.20	0.17	
	12. Operating Interest Paid	1.85	1.64	0.04	0.04	
	13. Paid Labour	0.51	0.11	0.01	0.00	
	14. Unpaid Labour	11.46	9.72	0.27	0.22	
	Variable Costs	255.06	247.73	5.94	5.64	
(C)	1. Cash/ Share Land Rent	31.10	31.51	0.72	0.72	
	2. Taxes, Water Rates, License & Ins.	2.38	1.34	0.06	0.03	
	3. Equipment and Building:	a) Depreciation	49.47	32.22	1.15	0.73
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	2.27	3.52	0.05	1.56	
	Capital Costs	85.23	68.59	1.98	3.04	
(D)	Cash Costs	(B+C-B14-C3a)	279.36	274.38	6.50	7.72
(E)	Total Production Costs	(B+C)	340.28	316.31	7.92	8.68
	Gross Margin	(A-D)	185.19	211.24	4.31	3.33
	Return to Unpaid Labour	(A-E+B14)	135.72	179.02	3.16	2.59
	Return to Investment	(A-E+C4)	126.54	172.82	2.95	3.93
	Return to Equity	(A-E)	124.27	169.30	2.89	2.37

Investment

Buildings	233.98	133.00
Machinery	390.59	262.62
Irrigation Machinery	0.00	0.00
Total (incl. Land)	624.57	395.62

Management

Average Yield	(Bushel/acre)	42.96	43.95
Expected Market Price	(\$/Bushel)	10.70	10.97

2013 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	147.34	195.20	69.35	71.76	
	2. Crop Insurance Receipts	3.11	0.00	1.46	0.00	
	3. Other Receipts	0.26	0.00	0.12	0.00	
	Gross Receipts	150.72	195.20	70.94	71.76	
(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	1.46	2.79	0.69	1.03	
	5. Trucking and Marketing	0.85	0.93	0.40	0.34	
	6. Fuel	20.98	19.65	9.87	7.22	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	14.14	13.50	6.66	4.96	
	9. Repairs - Buildings	0.80	1.39	0.38	0.51	
	10. Utilities and Miscellaneous	5.32	5.57	2.51	2.05	
	11. Custom Work	0.38	0.00	0.18	0.00	
	12. Operating Interest Paid	1.56	2.16	0.74	0.80	
	13. Paid Labour	3.37	0.86	1.59	0.32	
	14. Unpaid Labour	17.68	19.17	8.32	7.05	
	Variable Costs	66.54	66.04	31.32	24.28	
(C)	1. Cash/ Share Land Rent	7.10	6.06	3.34	2.23	
	2. Taxes, Water Rates, License & Ins.	5.55	6.52	2.61	2.40	
	3. Equipment and Building:	a) Depreciation	25.02	24.69	11.78	9.08
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	3.84	3.66	1.81	15.05	
	Capital Costs	41.51	40.94	19.54	28.76	
(D)	Cash Costs	65.36	63.11	30.76	36.91	
(E)	Total Production Costs	108.06	106.97	50.86	53.03	
	<i>Gross Margin</i>	85.36	132.09	40.18	34.86	
	<i>Return to Unpaid Labour</i>	60.34	107.40	28.40	25.78	
	<i>Return to Investment</i>	46.50	91.89	21.89	33.78	
	<i>Return to Equity</i>	42.66	88.22	20.08	18.73	

Investment

Buildings	69.33	75.73
Machinery	223.37	211.99
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1145.52	1225.94

Management

Average Yield	(Tonne/acre)	2.12	2.72
Expected Market Price	(\$/Tonne)	69.35	71.76

2013 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	151.65	221.28	73.01	78.44
	2. Crop Insurance Receipts	4.72	0.00	2.27	0.00
	3. Other Receipts	0.40	0.00	0.19	0.00
	Gross Receipts	156.77	221.28	75.47	78.44
(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	2.21	4.32	1.07	1.53
	5. Trucking and Marketing	0.16	0.00	0.08	0.00
	6. Fuel	22.10	20.74	10.64	7.35
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	15.86	15.89	7.64	5.63
	9. Repairs - Buildings	1.21	2.15	0.58	0.76
	10. Utilities and Miscellaneous	4.87	5.56	2.35	1.97
	11. Custom Work	0.00	0.00	0.00	0.00
	12. Operating Interest Paid	2.37	3.35	1.14	1.19
	13. Paid Labour	2.06	0.00	0.99	0.00
	14. Unpaid Labour	16.58	17.74	7.98	6.29
	Variable Costs	67.43	69.75	32.46	24.72
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	7.04	8.50	3.39	3.01
	3. Equipment and Building: a) Depreciation	27.00	31.36	13.00	11.12
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	4.75	5.30	2.29	16.01	
	Capital Costs	38.80	45.16	18.68	30.14
(D)	Cash Costs				
	(B+C-B14-C3a)	62.65	65.81	30.16	37.45
(E)	Total Production Costs				
	(B+C)	106.23	114.91	51.14	54.86
	Gross Margin				
	(A-D)	94.12	155.47	45.31	40.98
	Return to Unpaid Labour				
	(A-E+B14)	67.12	124.11	32.31	29.87
	Return to Investment				
	(A-E+C4)	55.30	111.68	26.62	39.59
	Return to Equity				
	(A-E)	50.54	106.37	24.33	23.58

Investment

Buildings	79.79	100.00
Machinery	234.31	263.00
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1609.07	1814.31

Management

Average Yield	(Tonne/acre)	2.08	2.82
Expected Market Price	(\$/Tonne)	73.01	78.44

2013 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	139.03	--	62.75	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	0.00	--	0.00	--	
	Gross Receipts	139.03	0.00	62.75	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	0.00	--	0.00	--	
	5. Trucking and Marketing	2.17	--	0.98	--	
	6. Fuel	18.81	--	8.49	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	10.83	--	4.89	--	
	9. Repairs - Buildings	0.02	--	0.01	--	
	10. Utilities and Miscellaneous	6.19	--	2.79	--	
	11. Custom Work	1.11	--	0.50	--	
	12. Operating Interest Paid	0.00	--	0.00	--	
	13. Paid Labour	5.90	--	2.66	--	
	14. Unpaid Labour	19.80	--	8.93	--	
Variable Costs	64.82	0.00	29.26	0.00		
(C)	1. Cash/ Share Land Rent	20.78	--	9.38	--	
	2. Taxes, Water Rates, License & Ins.	2.68	--	1.21	--	
	3. Equipment and Building:	a) Depreciation	21.20	--	9.57	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	2.09	--	0.94	--	
Capital Costs	46.75	0.00	21.10	0.00		
(D)	Cash Costs	70.58	--	31.85	--	
(E)	Total Production Costs	111.57	--	50.35	--	
	<i>Gross Margin</i>	<i>68.45</i>	--	<i>30.89</i>	--	
	<i>Return to Unpaid Labour</i>	<i>47.25</i>	--	<i>21.33</i>	--	
	<i>Return to Investment</i>	<i>29.55</i>	--	<i>13.33</i>	--	
	<i>Return to Equity</i>	<i>27.46</i>	--	<i>12.39</i>	--	

Investment

Buildings	49.17	--
Machinery	202.26	--
Irrigation Machinery	0.00	--
Total (incl. Land)	251.44	--

Management

Average Yield	(Tonne/acre)	2.22	--
Expected Market Price	(\$/Tonne)	62.75	--

2013 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	105.95	--	62.48	--	
	2. Crop Insurance Receipts	0.26	--	0.15	--	
	3. Other Receipts	1.67	--	0.98	--	
	Gross Receipts	107.88	0.00	63.62	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	1.05	--	0.62	--	
	5. Trucking and Marketing	0.91	--	0.54	--	
	6. Fuel	23.22	--	13.69	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	13.58	--	8.01	--	
	9. Repairs - Buildings	0.81	--	0.48	--	
	10. Utilities and Miscellaneous	4.31	--	2.54	--	
	11. Custom Work	0.00	--	0.00	--	
	12. Operating Interest Paid	0.01	--	0.01	--	
	13. Paid Labour	0.85	--	0.50	--	
	14. Unpaid Labour	16.20	--	9.55	--	
Variable Costs	60.93	0.00	35.93	0.00		
(C)	1. Cash/ Share Land Rent	2.24	--	1.32	--	
	2. Taxes, Water Rates, License & Ins.	5.21	--	3.07	--	
	3. Equipment and Building:	a) Depreciation	15.60	--	9.20	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	2.94	--	1.73	--	
Capital Costs	25.98	0.00	15.32	0.00		
(D)	Cash Costs	55.11	--	32.50	--	
(E)	Total Production Costs	86.91	--	51.26	--	
	Gross Margin	52.76	--	31.12	--	
	Return to Unpaid Labour	37.17	--	21.92	--	
	Return to Investment	23.91	--	14.10	--	
	Return to Equity	20.97	--	12.37	--	

Investment

Buildings	24.61	--
Machinery	152.38	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1301.12	--

Management

Average Yield	(Tonne/acre)	1.70	--
Expected Market Price	(\$/Tonne)	62.48	--

2013 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	113.67	--	62.35	--	
	2. Crop Insurance Receipts	0.29	--	0.16	--	
	3. Other Receipts	1.85	--	1.02	--	
	Gross Receipts	115.82	0.00	63.53	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	1.17	--	0.64	--	
	5. Trucking and Marketing	0.76	--	0.42	--	
	6. Fuel	24.11	--	13.23	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	14.22	--	7.80	--	
	9. Repairs - Buildings	0.90	--	0.49	--	
	10. Utilities and Miscellaneous	4.45	--	2.44	--	
	11. Custom Work	0.00	--	0.00	--	
	12. Operating Interest Paid	0.01	--	0.01	--	
	13. Paid Labour	0.70	--	0.38	--	
	14. Unpaid Labour	15.89	--	8.71	--	
Variable Costs	62.20	0.00	34.12	0.00		
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	5.51	--	3.02	--	
	3. Equipment and Building:	a) Depreciation	16.13	--	8.85	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	3.21	--	1.76	--	
Capital Costs	24.85	0.00	13.63	0.00		
(D)	Cash Costs	55.03	--	30.18	--	
(E)	Total Production Costs	87.05	--	47.75	--	
	Gross Margin	60.79	--	33.35	--	
	Return to Unpaid Labour	44.66	--	24.50	--	
	Return to Investment	31.98	--	17.54	--	
	Return to Equity	28.77	--	15.78	--	

Investment

Buildings	24.32	--
Machinery	157.95	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1433.66	--

Management

Average Yield	(Tonne/acre)	1.82	--
Expected Market Price	(\$/Tonne)	62.35	--

2013 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	348.39	--	54.96	--	
	2. Crop Insurance Receipts	36.79	--	5.80	--	
	3. Other Receipts	0.68	--	0.11	--	
	Gross Receipts	385.85	0.00	60.87	0.00	
(B)	Cost Items					
	1. Seed	17.53	--	2.76	--	
	2. Fertilizer	58.50	--	9.23	--	
	3. Chemical	13.84	--	2.18	--	
	4. Hail/Crop Insurance Premium	9.13	--	1.44	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	33.24	--	5.24	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	15.46	--	2.44	--	
	9. Repairs - Buildings	4.69	--	0.74	--	
	10. Utilities and Miscellaneous	11.76	--	1.86	--	
	11. Custom Work	0.00	--	0.00	--	
	12. Operating Interest Paid	0.00	--	0.00	--	
	13. Paid Labour	0.00	--	0.00	--	
	14. Unpaid Labour	20.73	--	3.27	--	
Variable Costs	184.87	0.00	29.17	0.00		
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	17.34	--	2.74	--	
	3. Equipment and Building:	a) Depreciation	62.59	--	9.87	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	18.70	--	2.95	--	
Capital Costs	98.63	0.00	15.56	0.00		
(D)	Cash Costs	200.18	--	31.58	--	
(E)	Total Production Costs	283.50	--	44.73	--	
	Gross Margin	185.68	--	29.29	--	
	Return to Unpaid Labour	123.08	--	19.42	--	
	Return to Investment	121.05	--	19.10	--	
	Return to Equity	102.36	--	16.15	--	

Investment

Buildings	114.54	--
Machinery	591.71	--
Irrigation Machinery	0.00	--
Total (incl. Land)	2619.34	--

Management

Average Yield	(Tonne/acre)	6.34	--
Expected Market Price	(\$/Tonne)	54.96	--

2013 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	348.39	--	54.96	--	
	2. Crop Insurance Receipts	36.79	--	5.80	--	
	3. Other Receipts	0.68	--	0.11	--	
	Gross Receipts	385.85	0.00	60.87	0.00	
(B)	Cost Items					
	1. Seed	17.53	--	2.76	--	
	2. Fertilizer	58.50	--	9.23	--	
	3. Chemical	13.84	--	2.18	--	
	4. Hail/Crop Insurance Premium	9.13	--	1.44	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	33.24	--	5.24	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	15.46	--	2.44	--	
	9. Repairs - Buildings	4.69	--	0.74	--	
	10. Utilities and Miscellaneous	11.76	--	1.86	--	
	11. Custom Work	0.00	--	0.00	--	
	12. Operating Interest Paid	0.00	--	0.00	--	
	13. Paid Labour	0.00	--	0.00	--	
	14. Unpaid Labour	20.73	--	3.27	--	
Variable Costs	184.87	0.00	29.17	0.00		
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	17.34	--	2.74	--	
	3. Equipment and Building:	a) Depreciation	62.59	--	9.87	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	18.70	--	2.95	--	
Capital Costs	98.63	0.00	15.56	0.00		
(D)	Cash Costs	200.18	--	31.58	--	
(E)	Total Production Costs	283.50	--	44.73	--	
	Gross Margin	185.68	--	29.29	--	
	Return to Unpaid Labour	123.08	--	19.42	--	
	Return to Investment	121.05	--	19.10	--	
	Return to Equity	102.36	--	16.15	--	

Investment

Buildings	114.54	--
Machinery	591.71	--
Irrigation Machinery	0.00	--
Total (incl. Land)	2619.34	--

Management

Average Yield	(Tonne/acre)	6.34	--
Expected Market Price	(\$/Tonne)	54.96	--

2013 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	550.87	--	49.60	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	0.00	--	0.00	--	
	Gross Receipts	550.87	0.00	49.60	0.00	
(B)	Cost Items					
	1. Seed	0.00	--	0.00	--	
	2. Fertilizer	82.15	--	7.40	--	
	3. Chemical	0.00	--	0.00	--	
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	22.78	--	2.05	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	17.68	--	1.59	--	
	9. Repairs - Buildings	0.04	--	0.00	--	
	10. Utilities and Miscellaneous	5.77	--	0.52	--	
	11. Custom Work	11.38	--	1.02	--	
	12. Operating Interest Paid	0.00	--	0.00	--	
	13. Paid Labour	0.00	--	0.00	--	
	14. Unpaid Labour	23.18	--	2.09	--	
	Variable Costs	162.97	0.00	14.68	0.00	
(C)	1. Cash/ Share Land Rent	10.00	--	0.90	--	
	2. Taxes, Water Rates, License & Ins.	16.94	--	1.53	--	
	3. Equipment and Building:	a) Depreciation	36.19	--	3.26	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	21.18	--	1.91	--	
	Capital Costs	84.31	0.00	7.59	0.00	
(D)	Cash Costs	187.91	--	16.92	--	
(E)	Total Production Costs	247.28	--	22.27	--	
	Gross Margin	362.96	--	32.68	--	
	Return to Unpaid Labour	326.77	--	29.42	--	
	Return to Investment	324.77	--	29.24	--	
	Return to Equity	303.58	--	27.34	--	

Investment

Buildings	64.39	--
Machinery	351.14	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1065.53	--

Management

Average Yield	(Tonne/acre)	11.11	--
Expected Market Price	(\$/Tonne)	49.60	--

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