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Cost and Return Profiles for Selected Crops, 2003
Dark Brown Soil Zone

July, 2005

Alberta
AGRICULTURE, FOOD AND RURAL DEVELOPMENT

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OVERVIEW

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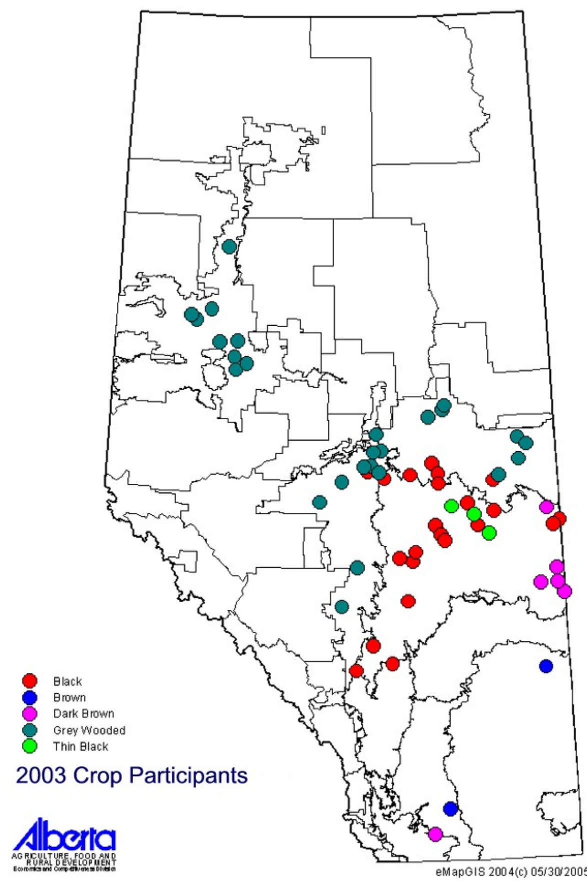
The AgriProfit$ Cost and Return study is a provincial overview of costs and returns for various annual field crops and forages grown throughout the province. Participating farmers are surveyed throughout the winter and the Alberta Agriculture Economics Unit compiles all the information into this summary package. This detailed and world-class database is used for extension and research purposes.

In this package you will find a brief summary of various field crops and forages grown in the dark brown soil zone. Where numbers warrant, there are two levels of analysis – the group average and the top third. The top third analysis is based on the top third of fields that have the highest return to equity.

The map on the upper right illustrates the Dark Brown Soil Zone area of Alberta. Please note that farms highlighted within this zone may contain characteristics of neighbouring soil zones, however, this is the grouping method used for this study.

The map on the lower right highlights the locations of participating farmers for the 2003 survey season.



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2003 Crop Enterprise Analysis

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

			$/Acre Average	$/Acre Top 1/3	$/Bushel Average	$/Bushel Top 1/3
(A)	1. Crop Sales		112.33	- -	4.39	- -
	2. Crop Insurance Receipts		7.69	- -	0.30	- -
	3. Other Receipts		4.11	- -	0.16	- -
	Gross Receipts		**124.12**	**0.00**	**4.86**	**0.00**
(B)	**Cost Items**					
	1. Seed		14.60	- -	0.57	- -
	2. Fertilizer		22.73	- -	0.89	- -
	3. Chemical		28.48	- -	1.11	- -
	4. Hail/Crop Insurance Premium		5.14	- -	0.20	- -
	5. Trucking and Marketing		1.56	- -	0.06	- -
	6. Fuel		8.92	- -	0.35	- -
	7. Irrigation Fuel and Electricity		0.00	- -	0.00	- -
	8. Repairs - Machinery		10.10	- -	0.40	- -
	9. Repairs - Buildings		1.69	- -	0.07	- -
	10. Utilities and Miscellaneous		12.40	- -	0.48	- -
	11. Custom Work		4.87	- -	0.19	- -
	12. Operating Interest Paid		0.93	- -	0.04	- -
	13. Paid Labour		6.51	- -	0.25	- -
	14. Unpaid Labour		13.81	- -	0.54	- -
	Variable Costs		**131.73**	**0.00**	**5.15**	**0.00**
(C)	1. Cash/ Share Land Rent		0.00	- -	0.00	- -
	2. Taxes, Water Rates, License & Ins.		5.64	- -	0.22	- -
	3. Equipment and Building:	a) Depreciation	17.34	- -	0.68	- -
		b) Lease Payments	1.33	- -	0.05	- -
	4. Paid Capital Interest		6.94	- -	0.27	- -
	Capital Costs		**31.26**	**0.00**	**1.22**	**0.00**
(D)	**Cash Costs**	**(B+C-B14-C3a)**	**131.84**	- -	**5.16**	- -
(E)	**Total Production Costs**	**(B+C)**	**162.99**	- -	**6.38**	- -
	Gross Margin	**(A-D)**	**(7.72)**	- -	**(0.30)**	- -
	Return to Unpaid Labour	**(A-E+B14)**	**(25.06)**	- -	**(0.98)**	- -
	Return to Investment	**(A-E+C4)**	**(31.93)**	- -	**(1.25)**	- -
	Return to Equity	**(A-E)**	**(38.87)**	- -	**(1.52)**	- -

		Average	Top 1/3
Investment			
Buildings		57.05	- -
Machinery		162.80	- -
Irrigation Machinery		0.00	- -
Total (incl. Land)		**968.92**	- -
Management			
Average Yield	(Bushel/acre)	25.56	- -
Expected Market Price	($/Bushel)	4.39	- -

2003 Crop Enterprise Analysis

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Crop: ***Spring Wheat - Own***
Soil Zone: ***Dark Brown - Dryland***
Unit: ***Bushel***

			$/Acre Average	$/Acre Top 1/3	$/Bushel Average	$/Bushel Top 1/3
(A)	1. Crop Sales		111.55	- -	4.36	- -
	2. Crop Insurance Receipts		8.16	- -	0.32	- -
	3. Other Receipts		3.68	- -	0.14	- -
	Gross Receipts		**123.39**	**0.00**	**4.82**	**0.00**
(B)	**Cost Items**					
	1. Seed		14.44	- -	0.56	- -
	2. Fertilizer		21.36	- -	0.83	- -
	3. Chemical		29.16	- -	1.14	- -
	4. Hail/Crop Insurance Premium		5.46	- -	0.21	- -
	5. Trucking and Marketing		1.66	- -	0.06	- -
	6. Fuel		8.80	- -	0.34	- -
	7. Irrigation Fuel and Electricity		0.00	- -	0.00	- -
	8. Repairs - Machinery		10.39	- -	0.41	- -
	9. Repairs - Buildings		1.43	- -	0.06	- -
	10. Utilities and Miscellaneous		12.24	- -	0.48	- -
	11. Custom Work		4.50	- -	0.18	- -
	12. Operating Interest Paid		0.77	- -	0.03	- -
	13. Paid Labour		6.30	- -	0.25	- -
	14. Unpaid Labour		14.31	- -	0.56	- -
	Variable Costs		**130.82**	**0.00**	**5.11**	**0.00**
(C)	1. Cash/ Share Land Rent		0.00	- -	0.00	- -
	2. Taxes, Water Rates, License & Ins.		5.77	- -	0.23	- -
	3. Equipment and Building:	a) Depreciation	17.18	- -	0.67	- -
		b) Lease Payments	1.33	- -	0.05	- -
	4. Paid Capital Interest		7.04	- -	0.28	- -
	Capital Costs		**31.33**	**0.00**	**1.22**	**0.00**
(D)	**Cash Costs**	**(B+C-B14-C3a)**	**130.66**	- -	**5.10**	- -
(E)	**Total Production Costs**	**(B+C)**	**162.14**	- -	**6.33**	- -
	Gross Margin	**(A-D)**	**(7.27)**	- -	**(0.28)**	- -
	Return to Unpaid Labour	**(A-E+B14)**	**(24.44)**	- -	**(0.95)**	- -
	Return to Investment	**(A-E+C4)**	**(31.71)**	- -	**(1.24)**	- -
	Return to Equity	**(A-E)**	**(38.75)**	- -	**(1.51)**	- -

		Average	Top 1/3
Investment			
Buildings		58.02	- -
Machinery		159.68	- -
Irrigation Machinery		0.00	- -
Total (incl. Land)		**1012.61**	- -
Management			
Average Yield	(Bushel/acre)	25.60	- -
Expected Market Price	($/Bushel)	4.36	- -

2003 Crop Enterprise Analysis

AgriProfit$

Crop: ***Malt Barley - All***
Soil Zone: ***Dark Brown - Dryland***
Unit: ***Bushel***

				$/Acre Average	$/Acre Top 1/3	$/Bushel Average	$/Bushel Top 1/3
(A)	1.	Crop Sales		80.39	- -	2.38	- -
	2.	Crop Insurance Receipts		11.57	- -	0.34	- -
	3.	Other Receipts		15.76	- -	0.47	- -
		Gross Receipts		**107.73**	**0.00**	**3.19**	**0.00**
(B)		**Cost Items**					
	1.	Seed		8.69	- -	0.26	- -
	2.	Fertilizer		10.14	- -	0.30	- -
	3.	Chemical		11.15	- -	0.33	- -
	4.	Hail/Crop Insurance Premium		8.99	- -	0.27	- -
	5.	Trucking and Marketing		0.00	- -	0.00	- -
	6.	Fuel		10.86	- -	0.32	- -
	7.	Irrigation Fuel and Electricity		0.00	- -	0.00	- -
	8.	Repairs - Machinery		8.48	- -	0.25	- -
	9.	Repairs - Buildings		1.06	- -	0.03	- -
	10.	Utilities and Miscellaneous		8.64	- -	0.26	- -
	11.	Custom Work		26.07	- -	0.77	- -
	12.	Operating Interest Paid		0.05	- -	0.00	- -
	13.	Paid Labour		0.00	- -	0.00	- -
	14.	Unpaid Labour		4.91	- -	0.15	- -
		Variable Costs		**99.04**	**0.00**	**2.94**	**0.00**
(C)	1.	Cash/ Share Land Rent		0.00	- -	0.00	- -
	2.	Taxes, Water Rates, License & Ins.		2.08	- -	0.06	- -
	3.	Equipment and Building:	a) Depreciation	12.77	- -	0.38	- -
			b) Lease Payments	0.00	- -	0.00	- -
	4.	Paid Capital Interest		8.06	- -	0.24	- -
		Capital Costs		**22.91**	**0.00**	**0.68**	**0.00**
(D)		**Cash Costs**	**(B+C-B14-C3a)**	**104.27**	- -	**3.09**	- -
(E)		**Total Production Costs**	**(B+C)**	**121.95**	- -	**3.61**	- -
		Gross Margin	**(A-D)**	**3.46**	- -	**0.10**	- -
		Return to Unpaid Labour	**(A-E+B14)**	**(9.31)**	- -	**(0.28)**	- -
		Return to Investment	**(A-E+C4)**	**(6.17)**	- -	**(0.18)**	- -
		Return to Equity	**(A-E)**	**(14.22)**	- -	**(0.42)**	- -

		Average	Top 1/3
Investment			
Buildings		69.05	- -
Machinery		100.49	- -
Irrigation Machinery		0.00	- -
***Total** (incl. Land)*		**831.84**	- -
Management			
Average Yield	(Bushel/acre)	33.74	- -
Expected Market Price	($/Bushel)	2.38	- -

2003 Crop Enterprise Analysis

AgriProfit$

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

			$/Acre Average	$/Acre Top 1/3	$/Bushel Average	$/Bushel Top 1/3
(A)	1. Crop Sales		162.12	- -	2.98	- -
	2. Crop Insurance Receipts		0.00	- -	0.00	- -
	3. Other Receipts		7.31	- -	0.13	- -
	Gross Receipts		**169.43**	**0.00**	**3.12**	**0.00**
(B)	**Cost Items**					
	1. Seed		7.34	- -	0.14	- -
	2. Fertilizer		34.61	- -	0.64	- -
	3. Chemical		23.55	- -	0.43	- -
	4. Hail/Crop Insurance Premium		0.88	- -	0.02	- -
	5. Trucking and Marketing		0.00	- -	0.00	- -
	6. Fuel		7.67	- -	0.14	- -
	7. Irrigation Fuel and Electricity		0.00	- -	0.00	- -
	8. Repairs - Machinery		5.59	- -	0.10	- -
	9. Repairs - Buildings		1.76	- -	0.03	- -
	10. Utilities and Miscellaneous		9.86	- -	0.18	- -
	11. Custom Work		6.74	- -	0.12	- -
	12. Operating Interest Paid		0.36	- -	0.01	- -
	13. Paid Labour		6.59	- -	0.12	- -
	14. Unpaid Labour		4.43	- -	0.08	- -
	Variable Costs		**109.39**	**0.00**	**2.01**	**0.00**
(C)	1. Cash/ Share Land Rent		19.73	- -	0.36	- -
	2. Taxes, Water Rates, License & Ins.		4.65	- -	0.09	- -
	3. Equipment and Building:	a) Depreciation	25.21	- -	0.46	- -
		b) Lease Payments	0.00	- -	0.00	- -
	4. Paid Capital Interest		6.07	- -	0.11	- -
	Capital Costs		**55.67**	**0.00**	**1.02**	**0.00**
(D)	**Cash Costs**	**(B+C-B14-C3a)**	**135.41**	- -	**2.49**	- -
(E)	**Total Production Costs**	**(B+C)**	**165.06**	- -	**3.03**	- -
	Gross Margin	**(A-D)**	**34.02**	- -	**0.63**	- -
	Return to Unpaid Labour	**(A-E+B14)**	**8.81**	- -	**0.16**	- -
	Return to Investment	**(A-E+C4)**	**10.45**	- -	**0.19**	- -
	Return to Equity	**(A-E)**	**4.38**	- -	**0.08**	- -

		Average	Top 1/3
Investment			
Buildings		63.69	- -
Machinery		241.22	- -
Irrigation Machinery		0.00	- -
Total ***(incl. Land)***		**813.98**	- -
Management			
Average Yield	(Bushel/acre)	54.39	- -
Expected Market Price	($/Bushel)	2.98	- -

2003 Crop Enterprise Analysis

AgriProfit$

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

			$/Acre Average	$/Acre Top 1/3	$/Bushel Average	$/Bushel Top 1/3
(A)	1.	Crop Sales	153.97	- -	2.87	- -
	2.	Crop Insurance Receipts	0.00	- -	0.00	- -
	3.	Other Receipts	10.52	- -	0.20	- -
		Gross Receipts	**164.48**	**0.00**	**3.07**	**0.00**
(B)		**Cost Items**				
	1.	Seed	8.05	- -	0.15	- -
	2.	Fertilizer	33.31	- -	0.62	- -
	3.	Chemical	21.31	- -	0.40	- -
	4.	Hail/Crop Insurance Premium	1.47	- -	0.03	- -
	5.	Trucking and Marketing	0.00	- -	0.00	- -
	6.	Fuel	7.47	- -	0.14	- -
	7.	Irrigation Fuel and Electricity	0.00	- -	0.00	- -
	8.	Repairs - Machinery	5.18	- -	0.10	- -
	9.	Repairs - Buildings	1.42	- -	0.03	- -
	10.	Utilities and Miscellaneous	8.49	- -	0.16	- -
	11.	Custom Work	5.80	- -	0.11	- -
	12.	Operating Interest Paid	0.38	- -	0.01	- -
	13.	Paid Labour	5.30	- -	0.10	- -
	14.	Unpaid Labour	5.30	- -	0.10	- -
		Variable Costs	**103.48**	**0.00**	**1.93**	**0.00**
(C)	1.	Cash/ Share Land Rent	0.00	- -	0.00	- -
	2.	Taxes, Water Rates, License & Ins.	5.96	- -	0.11	- -
	3.	Equipment and Building: a) Depreciation	26.37	- -	0.49	- -
		b) Lease Payments	0.00	- -	0.00	- -
	4.	Paid Capital Interest	5.03	- -	0.09	- -
		Capital Costs	**37.36**	**0.00**	**0.70**	**0.00**
(D)		**Cash Costs** **(B+C-B14-C3a)**	**109.17**	- -	**2.03**	- -
(E)		**Total Production Costs** **(B+C)**	**140.84**	- -	**2.63**	- -
		Gross Margin **(A-D)**	**55.31**	- -	**1.03**	- -
		Return to Unpaid Labour **(A-E+B14)**	**28.94**	- -	**0.54**	- -
		Return to Investment **(A-E+C4)**	**28.67**	- -	**0.53**	- -
		Return to Equity **(A-E)**	**23.64**	- -	**0.44**	- -

	Average	Top 1/3
Investment		
Buildings	69.59	- -
Machinery	249.74	- -
Irrigation Machinery	0.00	- -
Total ***(incl. Land)***	**1170.36**	- -
Management		
Average Yield (Bushel/acre)	53.65	- -
Expected Market Price ($/Bushel)	2.87	- -

2003 Crop Enterprise Analysis

AgriProfit$

Crop: *Oats - All*
Soil Zone: *Dark Brown - Dryland*
Unit: *Bushel*

			$/Acre Average	$/Acre Top 1/3	$/Bushel Average	$/Bushel Top 1/3
(A)	1. Crop Sales		92.93	- -	1.58	- -
	2. Crop Insurance Receipts		0.00	- -	0.00	- -
	3. Other Receipts		17.34	- -	0.29	- -
	Gross Receipts		**110.27**	**0.00**	**1.87**	**0.00**
(B)	**Cost Items**					
	1. Seed		9.70	- -	0.16	- -
	2. Fertilizer		21.13	- -	0.36	- -
	3. Chemical		7.23	- -	0.12	- -
	4. Hail/Crop Insurance Premium		8.90	- -	0.15	- -
	5. Trucking and Marketing		0.00	- -	0.00	- -
	6. Fuel		7.30	- -	0.12	- -
	7. Irrigation Fuel and Electricity		0.00	- -	0.00	- -
	8. Repairs - Machinery		6.23	- -	0.11	- -
	9. Repairs - Buildings		0.47	- -	0.01	- -
	10. Utilities and Miscellaneous		6.83	- -	0.12	- -
	11. Custom Work		12.36	- -	0.21	- -
	12. Operating Interest Paid		0.07	- -	0.00	- -
	13. Paid Labour		0.00	- -	0.00	- -
	14. Unpaid Labour		7.79	- -	0.13	- -
	Variable Costs		**88.02**	**0.00**	**1.50**	**0.00**
(C)	1. Cash/ Share Land Rent		0.00	- -	0.00	- -
	2. Taxes, Water Rates, License & Ins.		5.69	- -	0.10	- -
	3. Equipment and Building:	a) Depreciation	35.66	- -	0.61	- -
		b) Lease Payments	0.00	- -	0.00	- -
	4. Paid Capital Interest		6.41	- -	0.11	- -
	Capital Costs		**47.76**	**0.00**	**0.81**	**0.00**
(D)	**Cash Costs**	(B+C-B14-C3a)	**92.32**	- -	**1.57**	- -
(E)	**Total Production Costs**	(B+C)	**135.77**	- -	**2.31**	- -
	Gross Margin	(A-D)	**17.95**	- -	**0.31**	- -
	Return to Unpaid Labour	(A-E+B14)	**(17.71)**	- -	**(0.30)**	- -
	Return to Investment	(A-E+C4)	**(19.10)**	- -	**(0.32)**	- -
	Return to Equity	(A-E)	**(25.51)**	- -	**(0.43)**	- -

		Average	Top 1/3
Investment			
Buildings		124.75	- -
Machinery		330.44	- -
Irrigation Machinery		0.00	- -
Total *(incl. Land)*		**1070.19**	- -
Management			
Average Yield	(Bushel/acre)	58.84	- -
Expected Market Price	($/Bushel)	1.58	- -

2003 Crop Enterprise Analysis

AgriProfit$

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

				$/Acre Average	$/Acre Top 1/3	$/Bushel Average	$/Bushel Top 1/3
(A)	1.	Crop Sales		229.17	- -	8.30	- -
	2.	Crop Insurance Receipts		0.00	- -	0.00	- -
	3.	Other Receipts		6.45	- -	0.23	- -
		Gross Receipts		**235.63**	**0.00**	**8.53**	**0.00**
(B)		**Cost Items**					
	1.	Seed		22.14	- -	0.80	- -
	2.	Fertilizer		28.65	- -	1.04	- -
	3.	Chemical		20.07	- -	0.73	- -
	4.	Hail/Crop Insurance Premium		5.53	- -	0.20	- -
	5.	Trucking and Marketing		0.00	- -	0.00	- -
	6.	Fuel		9.33	- -	0.34	- -
	7.	Irrigation Fuel and Electricity		0.00	- -	0.00	- -
	8.	Repairs - Machinery		6.35	- -	0.23	- -
	9.	Repairs - Buildings		1.19	- -	0.04	- -
	10.	Utilities and Miscellaneous		7.83	- -	0.28	- -
	11.	Custom Work		13.06	- -	0.47	- -
	12.	Operating Interest Paid		0.26	- -	0.01	- -
	13.	Paid Labour		2.49	- -	0.09	- -
	14.	Unpaid Labour		4.69	- -	0.17	- -
		Variable Costs		**121.60**	**0.00**	**4.40**	**0.00**
(C)	1.	Cash/ Share Land Rent		20.85	- -	0.75	- -
	2.	Taxes, Water Rates, License & Ins.		2.35	- -	0.09	- -
	3.	Equipment and Building:	a) Depreciation	16.41	- -	0.59	- -
			b) Lease Payments	0.00	- -	0.00	- -
	4.	Paid Capital Interest		4.79	- -	0.17	- -
		Capital Costs		**44.41**	**0.00**	**1.61**	**0.00**
(D)		**Cash Costs**	**(B+C-B14-C3a)**	**144.91**	- -	**5.25**	- -
(E)		**Total Production Costs**	**(B+C)**	**166.01**	- -	**6.01**	- -
		Gross Margin	**(A-D)**	**90.72**	- -	**3.28**	- -
		Return to Unpaid Labour	**(A-E+B14)**	**74.31**	- -	**2.69**	- -
		Return to Investment	**(A-E+C4)**	**74.41**	- -	**2.69**	- -
		Return to Equity	**(A-E)**	**69.62**	- -	**2.52**	- -

Investment			
Buildings		59.02	- -
Machinery		143.32	- -
Irrigation Machinery		0.00	- -
Total ***(incl. Land)***		**639.20**	- -
Management			
Average Yield	(Bushel/acre)	27.63	- -
Expected Market Price	($/Bushel)	8.30	- -

2003 Crop Enterprise Analysis

AgriProfit$

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

				$/Acre		$/Bushel	
				Average	***Top 1/3***	***Average***	***Top 1/3***
(A)	1.	Crop Sales		275.72	- -	8.44	- -
	2.	Crop Insurance Receipts		0.00	- -	0.00	- -
	3.	Other Receipts		1.49	- -	0.05	- -
		Gross Receipts		**277.21**	**0.00**	**8.49**	**0.00**
(B)		**Cost Items**					
	1.	Seed		21.60	- -	0.66	- -
	2.	Fertilizer		19.45	- -	0.60	- -
	3.	Chemical		14.98	- -	0.46	- -
	4.	Hail/Crop Insurance Premium		7.66	- -	0.23	- -
	5.	Trucking and Marketing		0.00	- -	0.00	- -
	6.	Fuel		10.09	- -	0.31	- -
	7.	Irrigation Fuel and Electricity		0.00	- -	0.00	- -
	8.	Repairs - Machinery		7.30	- -	0.22	- -
	9.	Repairs - Buildings		1.32	- -	0.04	- -
	10.	Utilities and Miscellaneous		9.28	- -	0.28	- -
	11.	Custom Work		14.60	- -	0.45	- -
	12.	Operating Interest Paid		0.06	- -	0.00	- -
	13.	Paid Labour		1.63	- -	0.05	- -
	14.	Unpaid Labour		3.23	- -	0.10	- -
		Variable Costs		**111.20**	**0.00**	**3.40**	**0.00**
(C)	1.	Cash/ Share Land Rent		0.00	- -	0.00	- -
	2.	Taxes, Water Rates, License & Ins.		2.74	- -	0.08	- -
	3.	Equipment and Building:	a) Depreciation	13.83	- -	0.42	- -
			b) Lease Payments	0.00	- -	0.00	- -
	4.	Paid Capital Interest		5.76	- -	0.18	- -
		Capital Costs		**22.33**	**0.00**	**0.68**	**0.00**
(D)		**Cash Costs**	**(B+C-B14-C3a)**	**116.47**	- -	**3.57**	- -
(E)		**Total Production Costs**	**(B+C)**	**133.53**	- -	**4.09**	- -
		Gross Margin	**(A-D)**	**160.74**	- -	**4.92**	- -
		Return to Unpaid Labour	**(A-E+B14)**	**146.91**	- -	**4.50**	- -
		Return to Investment	**(A-E+C4)**	**149.44**	- -	**4.58**	- -
		Return to Equity	**(A-E)**	**143.68**	- -	**4.40**	- -

Investment			
Buildings		64.11	- -
Machinery		116.02	- -
Irrigation Machinery		0.00	- -
Total ***(incl. Land)***		**916.12**	- -
Management			
Average Yield	(Bushel/acre)	32.66	- -
Expected Market Price	($/Bushel)	8.44	- -

2003 Crop Enterprise Analysis

AgriProfit$

Crop: ***Oats Silage - All***
Soil Zone: ***Dark Brown - Dryland***
Unit: ***Tonne***

			$/Acre Average	$/Acre Top 1/3	$/Tonne Average	$/Tonne Top 1/3
(A)	1.	Crop Sales	152.10	- -	30.63	- -
	2.	Crop Insurance Receipts	0.00	- -	0.00	- -
	3.	Other Receipts	0.00	- -	0.00	- -
		Gross Receipts	**152.10**	**0.00**	**30.63**	**0.00**
(B)		**Cost Items**				
	1.	Seed	8.59	- -	1.73	- -
	2.	Fertilizer	29.05	- -	5.85	- -
	3.	Chemical	9.59	- -	1.93	- -
	4.	Hail/Crop Insurance Premium	6.78	- -	1.36	- -
	5.	Trucking and Marketing	0.00	- -	0.00	- -
	6.	Fuel	7.13	- -	1.44	- -
	7.	Irrigation Fuel and Electricity	0.00	- -	0.00	- -
	8.	Repairs - Machinery	1.81	- -	0.36	- -
	9.	Repairs - Buildings	0.00	- -	0.00	- -
	10.	Utilities and Miscellaneous	6.01	- -	1.21	- -
	11.	Custom Work	3.70	- -	0.75	- -
	12.	Operating Interest Paid	0.42	- -	0.08	- -
	13.	Paid Labour	0.00	- -	0.00	- -
	14.	Unpaid Labour	7.28	- -	1.47	- -
		Variable Costs	**80.35**	**0.00**	**16.18**	**0.00**
(C)	1.	Cash/ Share Land Rent	0.00	- -	0.00	- -
	2.	Taxes, Water Rates, License & Ins.	4.97	- -	1.00	- -
	3.	Equipment and Building: a) Depreciation	52.99	- -	10.67	- -
		b) Lease Payments	0.00	- -	0.00	- -
	4.	Paid Capital Interest	0.35	- -	0.07	- -
		Capital Costs	**58.31**	**0.00**	**11.74**	**0.00**
(D)		**Cash Costs** **(B+C-B14-C3a)**	**78.40**	- -	**15.79**	- -
(E)		**Total Production Costs** **(B+C)**	**138.66**	- -	**27.92**	- -
		Gross Margin **(A-D)**	**73.71**	- -	**14.84**	- -
		Return to Unpaid Labour **(A-E+B14)**	**20.72**	- -	**4.17**	- -
		Return to Investment **(A-E+C4)**	**13.79**	- -	**2.78**	- -
		Return to Equity **(A-E)**	**13.44**	- -	**2.71**	- -

Investment			
Buildings		104.09	- -
Machinery		502.75	- -
Irrigation Machinery		0.00	- -
Total ***(incl. Land)***		**1105.20**	- -
Management			
Average Yield	(Tonne/acre)	4.97	- -
Expected Market Price	($/Tonne)	30.63	- -

AgriProfit$

2003 Crop Enterprise Analysis

Crop: *Summerfallow - All*
Soil Zone: *Dark Brown - Dryland*
Unit: *0*

				$/Acre Average	$/Acre Top 1/3
(A)	1.	Crop Sales		0.00	- -
	2.	Crop Insurance Receipts		0.00	- -
	3.	Other Receipts		4.64	- -
		Gross Receipts		**4.64**	**0.00**
(B)		**Cost Items**			
	1.	Seed		0.00	- -
	2.	Fertilizer		0.00	- -
	3.	Chemical		1.19	- -
	4.	Hail/Crop Insurance Premium		0.00	- -
	5.	Trucking and Marketing		2.46	- -
	6.	Fuel		7.13	- -
	7.	Irrigation Fuel and Electricity		0.00	- -
	8.	Repairs - Machinery		13.57	- -
	9.	Repairs - Buildings		0.53	- -
	10.	Utilities and Miscellaneous		3.73	- -
	11.	Custom Work		0.00	- -
	12.	Operating Interest Paid		0.94	- -
	13.	Paid Labour		0.93	- -
	14.	Unpaid Labour		7.28	- -
		Variable Costs		**37.76**	**0.00**
(C)	1.	Cash/ Share Land Rent		0.00	- -
	2.	Taxes, Water Rates, License & Ins.		4.92	- -
	3.	Equipment and Building:	a) Depreciation	13.00	- -
			b) Lease Payments	1.98	- -
	4.	Paid Capital Interest		12.05	- -
		Capital Costs		**31.96**	**0.00**
(D)		**Cash Costs**	**(B+C-B14-C3a)**	**49.44**	- -
(E)		**Total Production Costs**	**(B+C)**	**69.72**	- -
		Gross Margin	**(A-D)**	**(44.80)**	- -
		Return to Unpaid Labour	**(A-E+B14)**	**(57.80)**	- -
		Return to Investment	**(A-E+C4)**	**(53.03)**	- -
		Return to Equity	**(A-E)**	**(65.08)**	- -

		Average	Top 1/3
Investment			
Buildings		73.63	- -
Machinery		105.42	- -
Irrigation Machinery		0.00	- -
Total (incl. Land)		**749.52**	- -
Management			
Average Yield	(/acre)	0.00	- -
Expected Market Price	($/)	0.00	- -

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