

AgriProfit\$

**Cost and Return Profiles for
Selected Crops, 2005
*Brown Soil Zone***

July, 2007



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2005 Brown Soil Zone

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OVERVIEW

2005 Brown Soil Zone

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 and Food (AF) 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 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 Brown Soil Zone areas in 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 2005 program season.

For questions regarding this document please contact:

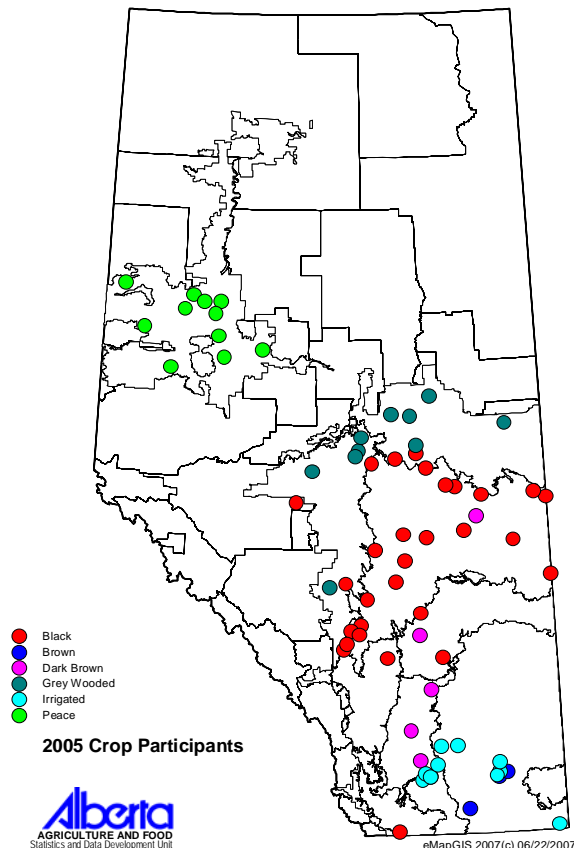
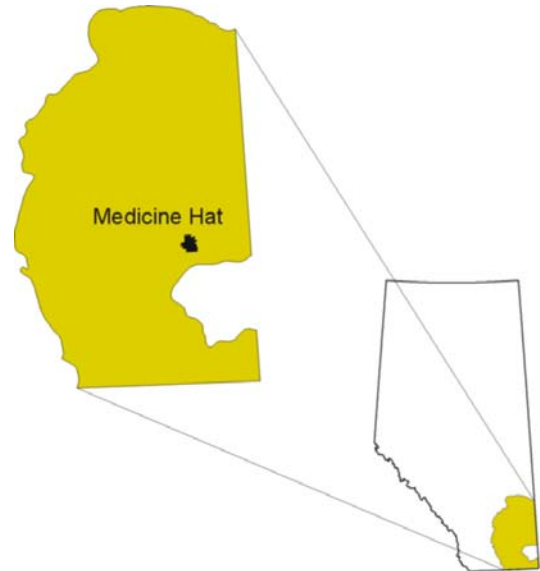
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2005 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	138.09	--	4.21	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	5.32	--	0.16	--	
	Gross Receipts	143.40	0.00	4.38	0.00	
(B)	Cost Items					
	1. Seed	9.13	--	0.28	--	
	2. Fertilizer	17.85	--	0.54	--	
	3. Chemical	12.71	--	0.39	--	
	4. Hail/Crop Insurance Premium	13.65	--	0.42	--	
	5. Trucking and Marketing	2.81	--	0.09	--	
	6. Fuel	9.83	--	0.30	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	8.57	--	0.26	--	
	9. Repairs - Buildings	0.35	--	0.01	--	
	10. Utilities and Miscellaneous	7.94	--	0.24	--	
	11. Custom Work	1.50	--	0.05	--	
	12. Operating Interest Paid	2.88	--	0.09	--	
	13. Paid Labour	4.89	--	0.15	--	
	14. Unpaid Labour	8.44	--	0.26	--	
	Variable Costs	100.55	0.00	3.07	0.00	
(C)	1. Cash/ Share Land Rent	13.53	--	0.41	--	
	2. Taxes, Water Rates, License & Ins.	3.99	--	0.12	--	
	3. Equipment and Building:	a) Depreciation	10.70	--	0.33	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	15.76	--	0.48	--	
	Capital Costs	43.98	0.00	1.34	0.00	
(D)	Cash Costs	125.39	--	3.83	--	
(E)	Total Production Costs	144.53	--	4.41	--	
	Gross Margin	18.02	--	0.55	--	
	Return to Unpaid Labour	7.32	--	0.22	--	
	Return to Investment	14.64	--	0.45	--	
	Return to Equity	(1.12)	--	(0.03)	--	

Investment

Buildings	25.90	--
Machinery	104.96	--
Irrigation Machinery	0.00	--
Total (incl. Land)	542.85	--

Management

Average Yield	(Bushel/acre)	32.77	--
Expected Market Price	(\$/Bushel)	4.21	--

2005 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	171.77	--	4.08	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	3.59	--	0.09	--	
	Gross Receipts	175.36	0.00	4.17	0.00	
(B)	Cost Items					
	1. Seed	7.37	--	0.18	--	
	2. Fertilizer	8.42	--	0.20	--	
	3. Chemical	16.89	--	0.40	--	
	4. Hail/Crop Insurance Premium	12.65	--	0.30	--	
	5. Trucking and Marketing	1.50	--	0.04	--	
	6. Fuel	5.69	--	0.14	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	3.82	--	0.09	--	
	9. Repairs - Buildings	0.18	--	0.00	--	
	10. Utilities and Miscellaneous	4.90	--	0.12	--	
	11. Custom Work	0.03	--	0.00	--	
	12. Operating Interest Paid	0.33	--	0.01	--	
	13. Paid Labour	0.44	--	0.01	--	
	14. Unpaid Labour	8.79	--	0.21	--	
Variable Costs	71.02	0.00	1.69	0.00		
(C)	1. Cash/ Share Land Rent	11.23	--	0.27	--	
	2. Taxes, Water Rates, License & Ins.	3.22	--	0.08	--	
	3. Equipment and Building:	a) Depreciation	7.83	--	0.19	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	4.00	--	0.10	--	
Capital Costs	26.28	0.00	0.62	0.00		
(D)	Cash Costs	80.68	--	1.92	--	
(E)	Total Production Costs	97.30	--	2.31	--	
	Gross Margin	94.68	--	2.25	--	
	Return to Unpaid Labour	86.85	--	2.06	--	
	Return to Investment	82.06	--	1.95	--	
	Return to Equity	78.06	--	1.86	--	

Investment

Buildings	19.13	--
Machinery	77.22	--
Irrigation Machinery	0.00	--
Total (incl. Land)	482.08	--

Management

Average Yield	(Bushel/acre)	42.06	--
Expected Market Price	(\$/Bushel)	4.08	--

2005 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	135.57	--	4.19	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	4.42	--	0.14	--
	Gross Receipts	140.00	0.00	4.33	0.00
(B)	Cost Items				
	1. Seed	9.57	--	0.30	--
	2. Fertilizer	19.06	--	0.59	--
	3. Chemical	14.24	--	0.44	--
	4. Hail/Crop Insurance Premium	13.01	--	0.40	--
	5. Trucking and Marketing	2.34	--	0.07	--
	6. Fuel	10.72	--	0.33	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	9.61	--	0.30	--
	9. Repairs - Buildings	0.49	--	0.02	--
	10. Utilities and Miscellaneous	8.31	--	0.26	--
	11. Custom Work	1.16	--	0.04	--
	12. Operating Interest Paid	3.15	--	0.10	--
	13. Paid Labour	5.71	--	0.18	--
	14. Unpaid Labour	9.27	--	0.29	--
	Variable Costs	106.64	0.00	3.30	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	5.09	--	0.16	--
	3. Equipment and Building: a) Depreciation	11.35	--	0.35	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	22.53	--	0.70	--	
	Capital Costs	38.97	0.00	1.20	0.00
(D)	Cash Costs (B+C-B14-C3a)	124.99	--	3.86	--
(E)	Total Production Costs (B+C)	145.61	--	4.50	--
	Gross Margin (A-D)	15.00	--	0.46	--
	Return to Unpaid Labour (A-E+B14)	3.66	--	0.11	--
	Return to Investment (A-E+C4)	16.92	--	0.52	--
	Return to Equity (A-E)	(5.61)	--	(0.17)	--

Investment

Buildings	27.22	--
Machinery	112.66	--
Irrigation Machinery	0.00	--
Total (incl. Land)	736.93	--

Management

Average Yield (Bushel/acre)	32.36	--
Expected Market Price (\$/Bushel)	4.19	--

2005 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	181.93	--	4.09	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	4.10	--	0.09	--	
	Gross Receipts	186.03	0.00	4.18	0.00	
(B)	Cost Items					
	1. Seed	7.00	--	0.16	--	
	2. Fertilizer	13.46	--	0.30	--	
	3. Chemical	19.22	--	0.43	--	
	4. Hail/Crop Insurance Premium	11.17	--	0.25	--	
	5. Trucking and Marketing	1.51	--	0.03	--	
	6. Fuel	5.03	--	0.11	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	3.88	--	0.09	--	
	9. Repairs - Buildings	0.29	--	0.01	--	
	10. Utilities and Miscellaneous	5.49	--	0.12	--	
	11. Custom Work	0.05	--	0.00	--	
	12. Operating Interest Paid	0.19	--	0.00	--	
	13. Paid Labour	0.71	--	0.02	--	
	14. Unpaid Labour	7.29	--	0.16	--	
Variable Costs	75.29	0.00	1.69	0.00		
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	3.67	--	0.08	--	
	3. Equipment and Building:	a) Depreciation	8.84	--	0.20	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	5.91	--	0.13	--	
Capital Costs	18.42	0.00	0.41	0.00		
(D)	Cash Costs	77.59	--	1.74	--	
(E)	Total Production Costs	93.72	--	2.10	--	
	Gross Margin	108.44	--	2.44	--	
	Return to Unpaid Labour	99.61	--	2.24	--	
	Return to Investment	98.23	--	2.21	--	
	Return to Equity	92.31	--	2.07	--	

Investment

Buildings	20.48	--
Machinery	88.49	--
Irrigation Machinery	0.00	--
Total (incl. Land)	725.41	--

Management

Average Yield	(Bushel/acre)	44.53	--
Expected Market Price	(\$/Bushel)	4.09	--

2005 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	143.68	--	4.27	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	7.30	--	0.22	--
	Gross Receipts	150.99	0.00	4.48	0.00
(B)	Cost Items				
	1. Seed	8.14	--	0.24	--
	2. Fertilizer	15.15	--	0.45	--
	3. Chemical	9.29	--	0.28	--
	4. Hail/Crop Insurance Premium	15.08	--	0.45	--
	5. Trucking and Marketing	3.86	--	0.11	--
	6. Fuel	7.83	--	0.23	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	6.25	--	0.19	--
	9. Repairs - Buildings	0.03	--	0.00	--
	10. Utilities and Miscellaneous	7.13	--	0.21	--
	11. Custom Work	2.26	--	0.07	--
	12. Operating Interest Paid	2.28	--	0.07	--
	13. Paid Labour	3.05	--	0.09	--
	14. Unpaid Labour	6.60	--	0.20	--
	Variable Costs	86.98	0.00	2.58	0.00
(C)	1. Cash/ Share Land Rent	43.64	--	1.30	--
	2. Taxes, Water Rates, License & Ins.	1.54	--	0.05	--
	3. Equipment and Building: a) Depreciation	9.26	--	0.27	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	0.69	--	0.02	--	
	Capital Costs	55.14	0.00	1.64	0.00
(D)	Cash Costs	(B+C-B14-C3a)	126.26	--	3.75
(E)	Total Production Costs	(B+C)	142.12	--	4.22
	Gross Margin	(A-D)	24.73	--	0.73
	Return to Unpaid Labour	(A-E+B14)	15.47	--	0.46
	Return to Investment	(A-E+C4)	9.56	--	0.28
	Return to Equity	(A-E)	8.87	--	0.26

Investment

Buildings	22.97	--
Machinery	87.80	--
Irrigation Machinery	0.00	--
Total (incl. Land)	110.77	--

Management

Average Yield	(Bushel/acre)	33.68	--
Expected Market Price	(\$/Bushel)	4.27	--

2005 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	154.77	--	4.08	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	2.74	--	0.07	--	
	Gross Receipts	157.52	0.00	4.15	0.00	
(B)	Cost Items					
	1. Seed	8.00	--	0.21	--	
	2. Fertilizer	0.00	--	0.00	--	
	3. Chemical	13.00	--	0.34	--	
	4. Hail/Crop Insurance Premium	15.12	--	0.40	--	
	5. Trucking and Marketing	1.47	--	0.04	--	
	6. Fuel	6.79	--	0.18	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	3.72	--	0.10	--	
	9. Repairs - Buildings	0.00	--	0.00	--	
	10. Utilities and Miscellaneous	3.92	--	0.10	--	
	11. Custom Work	0.00	--	0.00	--	
	12. Operating Interest Paid	0.57	--	0.02	--	
	13. Paid Labour	0.00	--	0.00	--	
	14. Unpaid Labour	11.29	--	0.30	--	
Variable Costs	63.87	0.00	1.68	0.00		
(C)	1. Cash/ Share Land Rent	30.00	--	0.79	--	
	2. Taxes, Water Rates, License & Ins.	2.46	--	0.06	--	
	3. Equipment and Building:	a) Depreciation	6.15	--	0.16	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	0.79	--	0.02	--	
Capital Costs	39.41	0.00	1.04	0.00		
(D)	Cash Costs	85.84	--	2.26	--	
(E)	Total Production Costs	103.29	--	2.72	--	
	Gross Margin	71.67	--	1.89	--	
	Return to Unpaid Labour	65.52	--	1.73	--	
	Return to Investment	55.02	--	1.45	--	
	Return to Equity	54.23	--	1.43	--	

Investment

Buildings	16.89	--
Machinery	58.38	--
Irrigation Machinery	0.00	--
Total (incl. Land)	75.27	--

Management

Average Yield	(Bushel/acre)	37.93	--
Expected Market Price	(\$/Bushel)	4.08	--

2005 Crop Enterprise Analysis

AgriProfit\$

Crop: *Durum - All*
Soil Zone: *Brown - Dryland - Fallow*
Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	171.64	--	3.38	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	3.71	--	0.07	--
	Gross Receipts	175.35	0.00	3.45	0.00
(B)	Cost Items				
	1. Seed	8.02	--	0.16	--
	2. Fertilizer	17.97	--	0.35	--
	3. Chemical	12.68	--	0.25	--
	4. Hail/Crop Insurance Premium	12.19	--	0.24	--
	5. Trucking and Marketing	1.32	--	0.03	--
	6. Fuel	6.92	--	0.14	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	6.35	--	0.12	--
	9. Repairs - Buildings	0.53	--	0.01	--
	10. Utilities and Miscellaneous	6.93	--	0.14	--
	11. Custom Work	0.05	--	0.00	--
	12. Operating Interest Paid	1.13	--	0.02	--
	13. Paid Labour	2.93	--	0.06	--
14. Unpaid Labour	7.62	--	0.15	--	
	Variable Costs	84.63	0.00	1.67	0.00
(C)	1. Cash/ Share Land Rent	12.17	--	0.24	--
	2. Taxes, Water Rates, License & Ins.	3.18	--	0.06	--
	3. Equipment and Building: a) Depreciation	10.70	--	0.21	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	2.42	--	0.05	--	
	Capital Costs	28.47	0.00	0.56	0.00
(D)	Cash Costs (B+C-B14-C3a)	94.79	--	1.87	--
(E)	Total Production Costs (B+C)	113.10	--	2.23	--
	Gross Margin (A-D)	80.56	--	1.59	--
	Return to Unpaid Labour (A-E+B14)	69.86	--	1.37	--
	Return to Investment (A-E+C4)	64.67	--	1.27	--
	Return to Equity (A-E)	62.25	--	1.22	--

Investment

Buildings	24.27	--
Machinery	108.76	--
Irrigation Machinery	0.00	--
Total (incl. Land)	531.63	--

Management

Average Yield (Bushel/acre)	50.82	--
Expected Market Price (\$/Bushel)	3.38	--

2005 Crop Enterprise Analysis

AgriProfit\$

Crop: *Durum - Rent*
Soil Zone: *Brown - Dryland - Fallow*
Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	118.28	--	3.06	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	1.78	--	0.05	--
	Gross Receipts	120.06	0.00	3.10	0.00
(B)	Cost Items				
	1. Seed	9.47	--	0.24	--
	2. Fertilizer	7.04	--	0.18	--
	3. Chemical	16.17	--	0.42	--
	4. Hail/Crop Insurance Premium	14.40	--	0.37	--
	5. Trucking and Marketing	0.95	--	0.02	--
	6. Fuel	11.85	--	0.31	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	10.56	--	0.27	--
	9. Repairs - Buildings	0.71	--	0.02	--
	10. Utilities and Miscellaneous	8.02	--	0.21	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	3.11	--	0.08	--
	13. Paid Labour	6.19	--	0.16	--
	14. Unpaid Labour	11.84	--	0.31	--
	Variable Costs	100.33	0.00	2.59	0.00
(C)	1. Cash/ Share Land Rent	33.60	--	0.87	--
	2. Taxes, Water Rates, License & Ins.	2.98	--	0.08	--
	3. Equipment and Building: a) Depreciation	11.53	--	0.30	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	3.41	--	0.09	--	
	Capital Costs	51.51	0.00	1.33	0.00
(D)	Cash Costs	128.47	--	3.32	--
(E)	Total Production Costs	151.84	--	3.92	--
	Gross Margin	(8.41)	--	(0.22)	--
	Return to Unpaid Labour	(19.94)	--	(0.52)	--
	Return to Investment	(28.37)	--	(0.73)	--
	Return to Equity	(31.78)	--	(0.82)	--

Investment

Buildings	27.66	--
Machinery	116.86	--
Irrigation Machinery	0.00	--
Total (incl. Land)	144.52	--

Management

Average Yield	(Bushel/acre)	38.70	--
Expected Market Price	(\$/Bushel)	3.06	--

2005 Crop Enterprise Analysis

AgriProfit\$

Crop: *Winter Wheat - All*
Soil Zone: *Brown - Dryland - Fallow*
Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	166.10	--	3.02	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	10.62	--	0.19	--	
	Gross Receipts	176.72	0.00	3.21	0.00	
(B)	Cost Items					
	1. Seed	8.69	--	0.16	--	
	2. Fertilizer	5.00	--	0.09	--	
	3. Chemical	8.23	--	0.15	--	
	4. Hail/Crop Insurance Premium	11.92	--	0.22	--	
	5. Trucking and Marketing	5.60	--	0.10	--	
	6. Fuel	8.59	--	0.16	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	8.10	--	0.15	--	
	9. Repairs - Buildings	0.05	--	0.00	--	
	10. Utilities and Miscellaneous	9.47	--	0.17	--	
	11. Custom Work	3.91	--	0.07	--	
	12. Operating Interest Paid	3.52	--	0.06	--	
	13. Paid Labour	5.27	--	0.10	--	
	14. Unpaid Labour	3.19	--	0.06	--	
Variable Costs	81.54	0.00	1.48	0.00		
(C)	1. Cash/ Share Land Rent	49.90	--	0.91	--	
	2. Taxes, Water Rates, License & Ins.	1.14	--	0.02	--	
	3. Equipment and Building:	a) Depreciation	11.52	--	0.21	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	2.30	--	0.04	--	
Capital Costs	64.85	0.00	1.18	0.00		
(D)	Cash Costs	(B+C-B14-C3a)	131.69	--	2.39	--
(E)	Total Production Costs	(B+C)	146.39	--	2.66	--
	Gross Margin	(A-D)	45.03	--	0.82	--
	Return to Unpaid Labour	(A-E+B14)	33.52	--	0.61	--
	Return to Investment	(A-E+C4)	32.63	--	0.59	--
	Return to Equity	(A-E)	30.33	--	0.55	--

Investment

Buildings	27.38	--
Machinery	109.20	--
Irrigation Machinery	0.00	--
Total (incl. Land)	204.77	--

Management

Average Yield	(Bushel/acre)	55.00	--
Expected Market Price	(\$/Bushel)	3.02	--

2005 Crop Enterprise Analysis

AgriProfit\$

Crop: *Winter Wheat - Rent*
Soil Zone: *Brown - Dryland - Fallow*
Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	166.10	--	3.02	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	10.62	--	0.19	--	
	Gross Receipts	176.72	0.00	3.21	0.00	
(B)	Cost Items					
	1. Seed	8.56	--	0.16	--	
	2. Fertilizer	4.05	--	0.07	--	
	3. Chemical	8.56	--	0.16	--	
	4. Hail/Crop Insurance Premium	11.59	--	0.21	--	
	5. Trucking and Marketing	5.60	--	0.10	--	
	6. Fuel	8.59	--	0.16	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	8.10	--	0.15	--	
	9. Repairs - Buildings	0.05	--	0.00	--	
	10. Utilities and Miscellaneous	9.47	--	0.17	--	
	11. Custom Work	3.91	--	0.07	--	
	12. Operating Interest Paid	3.52	--	0.06	--	
	13. Paid Labour	5.27	--	0.10	--	
	14. Unpaid Labour	3.19	--	0.06	--	
Variable Costs	80.45	0.00	1.46	0.00		
(C)	1. Cash/ Share Land Rent	54.89	--	1.00	--	
	2. Taxes, Water Rates, License & Ins.	0.87	--	0.02	--	
	3. Equipment and Building:	a) Depreciation	11.52	--	0.21	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	0.62	--	0.01	--	
Capital Costs	67.91	0.00	1.23	0.00		
(D)	Cash Costs	(B+C-B14-C3a)	133.66	--	2.43	--
(E)	Total Production Costs	(B+C)	148.36	--	2.70	--
	Gross Margin	(A-D)	43.06	--	0.78	--
	Return to Unpaid Labour	(A-E+B14)	31.55	--	0.57	--
	Return to Investment	(A-E+C4)	28.98	--	0.53	--
	Return to Equity	(A-E)	28.36	--	0.52	--

Investment

Buildings	27.38	--
Machinery	109.20	--
Irrigation Machinery	0.00	--
Total (incl. Land)	136.59	--

Management

Average Yield	(Bushel/acre)	55.00	--
Expected Market Price	(\$/Bushel)	3.02	--

2005 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	147.45	--	2.24	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	10.62	--	0.16	--	
	Gross Receipts	158.07	0.00	2.40	0.00	
(B)	Cost Items					
	1. Seed	3.79	--	0.06	--	
	2. Fertilizer	20.73	--	0.31	--	
	3. Chemical	6.03	--	0.09	--	
	4. Hail/Crop Insurance Premium	16.63	--	0.25	--	
	5. Trucking and Marketing	5.60	--	0.08	--	
	6. Fuel	8.59	--	0.13	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	8.10	--	0.12	--	
	9. Repairs - Buildings	0.05	--	0.00	--	
	10. Utilities and Miscellaneous	9.47	--	0.14	--	
	11. Custom Work	3.91	--	0.06	--	
	12. Operating Interest Paid	3.52	--	0.05	--	
	13. Paid Labour	5.27	--	0.08	--	
	14. Unpaid Labour	3.19	--	0.05	--	
	Variable Costs	94.88	0.00	1.44	0.00	
(C)	1. Cash/ Share Land Rent	35.04	--	0.53	--	
	2. Taxes, Water Rates, License & Ins.	1.61	--	0.02	--	
	3. Equipment and Building:	a) Depreciation	11.52	--	0.17	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	5.28	--	0.08	--	
	Capital Costs	53.45	0.00	0.81	0.00	
(D)	Cash Costs	(B+C-B14-C3a)	133.62	--	2.03	
(E)	Total Production Costs	(B+C)	148.33	--	2.25	
	Gross Margin	(A-D)	24.44	--	0.37	
	Return to Unpaid Labour	(A-E+B14)	12.93	--	0.20	
	Return to Investment	(A-E+C4)	15.02	--	0.23	
	Return to Equity	(A-E)	9.74	--	0.15	

Investment

Buildings	27.38	--
Machinery	109.20	--
Irrigation Machinery	0.00	--
Total (incl. Land)	326.24	--

Management

Average Yield	(Bushel/acre)	65.91	--
Expected Market Price	(\$/Bushel)	2.24	--

2005 Crop Enterprise Analysis

AgriProfit\$

Crop: *Malt Barley - Rent*
Soil Zone: *Brown - Dryland - Stubble*
Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	138.00	--	2.15	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	10.62	--	0.17	--	
	Gross Receipts	148.62	0.00	2.32	0.00	
(B)	Cost Items					
	1. Seed	3.38	--	0.05	--	
	2. Fertilizer	18.44	--	0.29	--	
	3. Chemical	5.36	--	0.08	--	
	4. Hail/Crop Insurance Premium	16.63	--	0.26	--	
	5. Trucking and Marketing	5.60	--	0.09	--	
	6. Fuel	8.59	--	0.13	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	8.10	--	0.13	--	
	9. Repairs - Buildings	0.05	--	0.00	--	
	10. Utilities and Miscellaneous	9.47	--	0.15	--	
	11. Custom Work	3.91	--	0.06	--	
	12. Operating Interest Paid	3.52	--	0.05	--	
	13. Paid Labour	5.27	--	0.08	--	
	14. Unpaid Labour	3.19	--	0.05	--	
	Variable Costs	91.51	0.00	1.43	0.00	
(C)	1. Cash/ Share Land Rent	46.90	--	0.73	--	
	2. Taxes, Water Rates, License & Ins.	0.87	--	0.01	--	
	3. Equipment and Building:	a) Depreciation	11.52	--	0.18	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	0.62	--	0.01	--	
	Capital Costs	59.92	0.00	0.93	0.00	
(D)	Cash Costs	136.73	--	2.13	--	
(E)	Total Production Costs	151.43	--	2.36	--	
	Gross Margin	11.89	--	0.19	--	
	Return to Unpaid Labour	0.38	--	0.01	--	
	Return to Investment	(2.19)	--	(0.03)	--	
	Return to Equity	(2.81)	--	(0.04)	--	

Investment

Buildings	27.38	--
Machinery	109.20	--
Irrigation Machinery	0.00	--
Total (incl. Land)	136.59	--

Management

Average Yield	(Bushel/acre)	64.18	--
Expected Market Price	(\$/Bushel)	2.15	--

2005 Crop Enterprise Analysis

AgriProfit\$

Crop: Safflower - All
Soil Zone: Brown - Dryland
Unit: Pound

		----- \$/Acre -----		----- \$/Pound -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	285.79	--	0.22	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	10.62	--	0.01	--
	Gross Receipts	296.41	0.00	0.23	0.00
(B)	Cost Items				
	1. Seed	7.86	--	0.01	--
	2. Fertilizer	5.92	--	0.00	--
	3. Chemical	15.72	--	0.01	--
	4. Hail/Crop Insurance Premium	22.95	--	0.02	--
	5. Trucking and Marketing	5.60	--	0.00	--
	6. Fuel	8.59	--	0.01	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	8.10	--	0.01	--
	9. Repairs - Buildings	0.05	--	0.00	--
	10. Utilities and Miscellaneous	9.47	--	0.01	--
	11. Custom Work	3.91	--	0.00	--
	12. Operating Interest Paid	3.52	--	0.00	--
	13. Paid Labour	5.27	--	0.00	--
14. Unpaid Labour	3.19	--	0.00	--	
	Variable Costs	100.15	0.00	0.08	0.00
(C)	1. Cash/ Share Land Rent	77.87	--	0.06	--
	2. Taxes, Water Rates, License & Ins.	1.50	--	0.00	--
	3. Equipment and Building: a) Depreciation	11.52	--	0.01	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	4.58	--	0.00	--	
	Capital Costs	95.48	0.00	0.07	0.00
(D)	Cash Costs (B+C-B14-C3a)	180.92	--	0.14	--
(E)	Total Production Costs (B+C)	195.63	--	0.15	--
	Gross Margin (A-D)	115.48	--	0.09	--
	Return to Unpaid Labour (A-E+B14)	103.97	--	0.08	--
	Return to Investment (A-E+C4)	105.37	--	0.08	--
	Return to Equity (A-E)	100.78	--	0.08	--

Investment

Buildings	27.38	--
Machinery	109.20	--
Irrigation Machinery	0.00	--
Total (incl. Land)	297.98	--

Management

Average Yield (Pound/acre)	1299.04	--
Expected Market Price (\$/Pound)	0.22	--

2005 Crop Enterprise Analysis

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

		-----\$/Acre-----	
		Average	Top 1/3
(A)	1. Crop Sales	0.00	--
	2. Crop Insurance Receipts	0.00	--
	3. Other Receipts	6.01	--
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	Gross Receipts	6.01	0.00
(B)	Cost Items		
	1. Seed	0.00	--
	2. Fertilizer	0.00	--
	3. Chemical	16.18	--
	4. Hail/Crop Insurance Premium	0.00	--
	5. Trucking and Marketing	2.85	--
	6. Fuel	4.87	--
	7. Irrigation Fuel and Electricity	0.00	--
	8. Repairs - Machinery	5.87	--
	9. Repairs - Buildings	0.22	--
	10. Utilities and Miscellaneous	2.08	--
	11. Custom Work	0.00	--
	12. Operating Interest Paid	1.60	--
	13. Paid Labour	0.80	--
	14. Unpaid Labour	1.97	--
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	Variable Costs	36.46	0.00
(C)	Capital Costs		
	1. Cash/ Share Land Rent	0.00	--
	2. Taxes, Water Rates, License & Ins.	2.93	--
	3. Equipment and Building: a) Depreciation	9.78	--
	b) Lease Payments	0.00	--
	4. Paid Capital Interest	6.05	--
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	Capital Costs	18.76	0.00
(D)	Cash Costs (B+C-B14-C3a)	43.46	--
(E)	Total Production Costs (B+C)	55.22	--
	Gross Margin (A-D)	(37.45)	--
	Return to Unpaid Labour (A-E+B14)	(47.23)	--
	Return to Investment (A-E+C4)	(43.16)	--
	Return to Equity (A-E)	(49.21)	--

Investment

Buildings	23.18	--
Machinery	95.80	--
Irrigation Machinery	0.00	--
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Total (incl. Land)	495.78	--

Management

Average Yield (/acre)	0.00	--
Expected Market Price (\$/)	0.00	--

2005 Crop Enterprise Analysis

Crop: **Summerfallow - Own**
 Soil Zone: **Brown - Dryland**
 Unit: **0**

		-----\$/Acre-----	
		Average	Top 1/3
(A)	1. Crop Sales	0.00	--
	2. Crop Insurance Receipts	0.00	--
	3. Other Receipts	5.08	--
Gross Receipts		5.08	0.00
(B)	Cost Items		
	1. Seed	0.00	--
	2. Fertilizer	0.00	--
	3. Chemical	16.57	--
	4. Hail/Crop Insurance Premium	0.00	--
	5. Trucking and Marketing	2.13	--
	6. Fuel	4.45	--
	7. Irrigation Fuel and Electricity	0.00	--
	8. Repairs - Machinery	5.58	--
	9. Repairs - Buildings	0.35	--
	10. Utilities and Miscellaneous	2.03	--
	11. Custom Work	0.00	--
	12. Operating Interest Paid	1.12	--
	13. Paid Labour	0.71	--
	14. Unpaid Labour	1.99	--
Variable Costs		34.94	0.00
(C)	Capital Costs		
	1. Cash/ Share Land Rent	0.00	--
	2. Taxes, Water Rates, License & Ins.	3.87	--
	3. Equipment and Building: a) Depreciation	10.09	--
	b) Lease Payments	0.00	--
	4. Paid Capital Interest	9.63	--
Capital Costs		23.59	0.00
(D)	Cash Costs (B+C-B14-C3a)	46.45	--
(E)	Total Production Costs (B+C)	58.53	--
	Gross Margin (A-D)	(41.37)	--
	Return to Unpaid Labour (A-E+B14)	(51.46)	--
	Return to Investment (A-E+C4)	(43.82)	--
	Return to Equity (A-E)	(53.46)	--

Investment

Buildings	23.23	--
Machinery	100.68	--
Irrigation Machinery	0.00	--
Total (incl. Land)	753.02	--

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