

AgriProfit\$

**Cost and Return Profiles for
Selected Crops, 2002
*Peace Region***

March, 2006

Alberta
AGRICULTURE, FOOD AND
RURAL DEVELOPMENT



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OVERVIEW

2002 Peace Grey Wooded 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 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 peace grey wooded 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 Peace Grey Wooded 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 2002 survey season.

For questions regarding this document please contact:

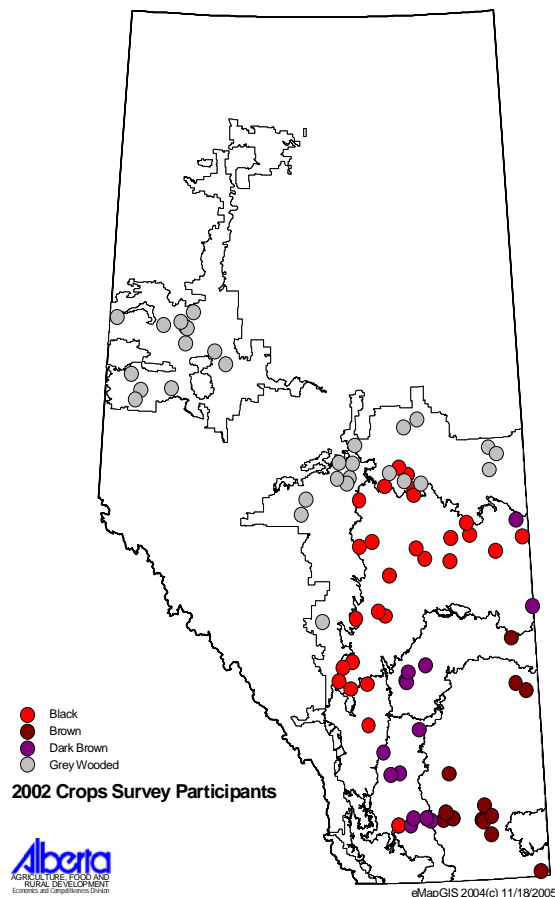
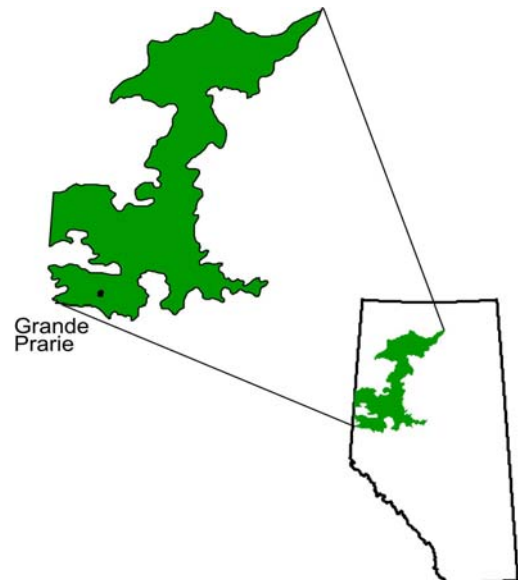
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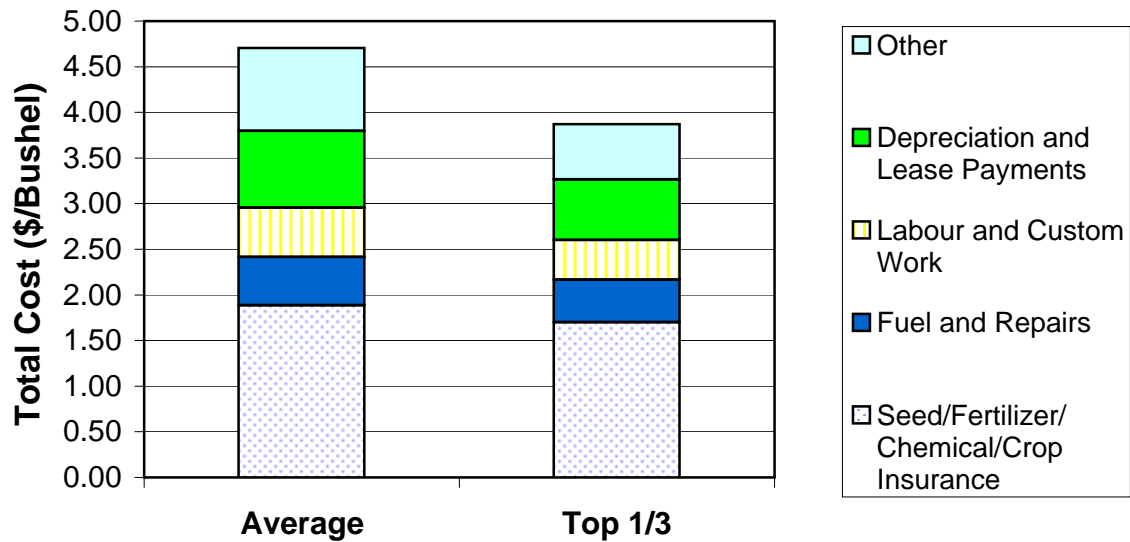
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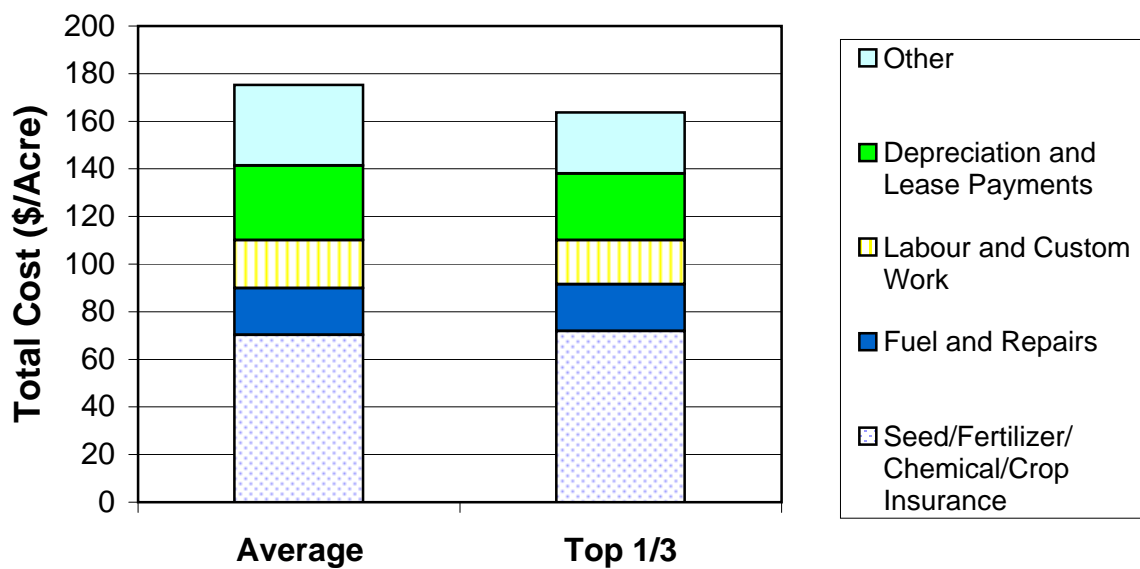
2002 Spring Wheat on Grey Wooded

Total Cost (\$/Bushel)



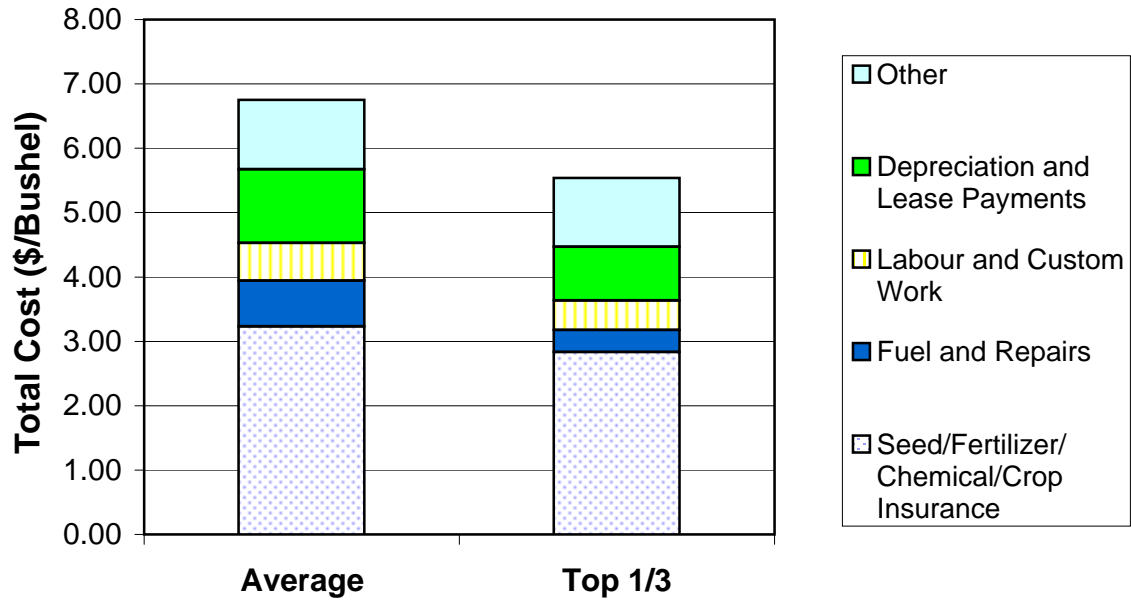
2002 Spring Wheat on Grey Wooded

Total Cost (\$/Acre)



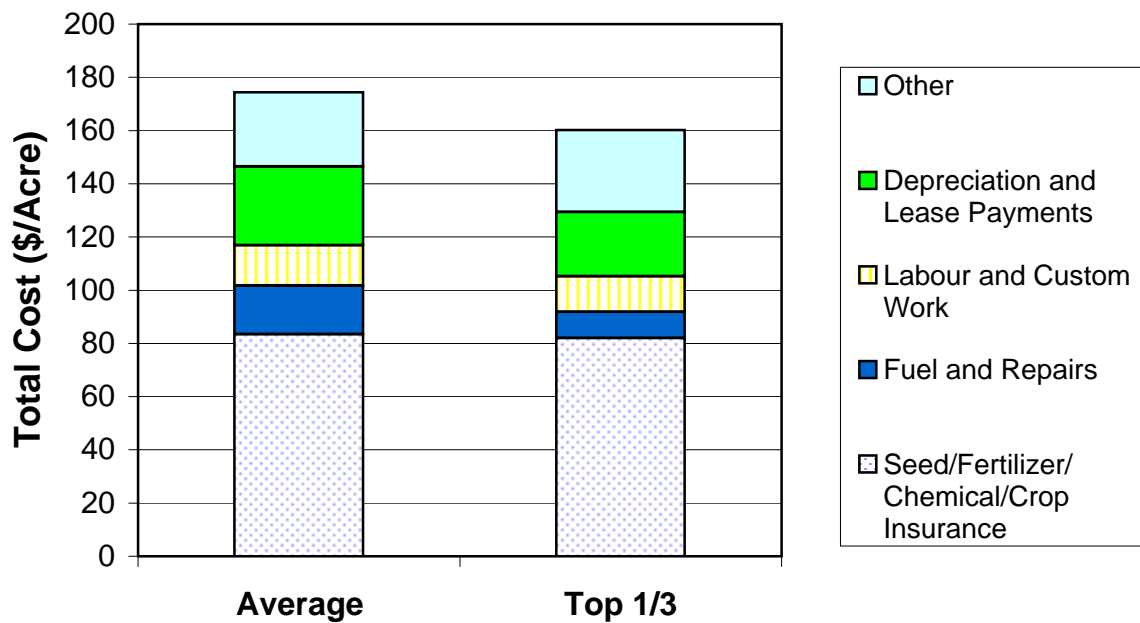
2002 Clearfield Canola on Grey Wooded

Total Cost (\$/Bushel)



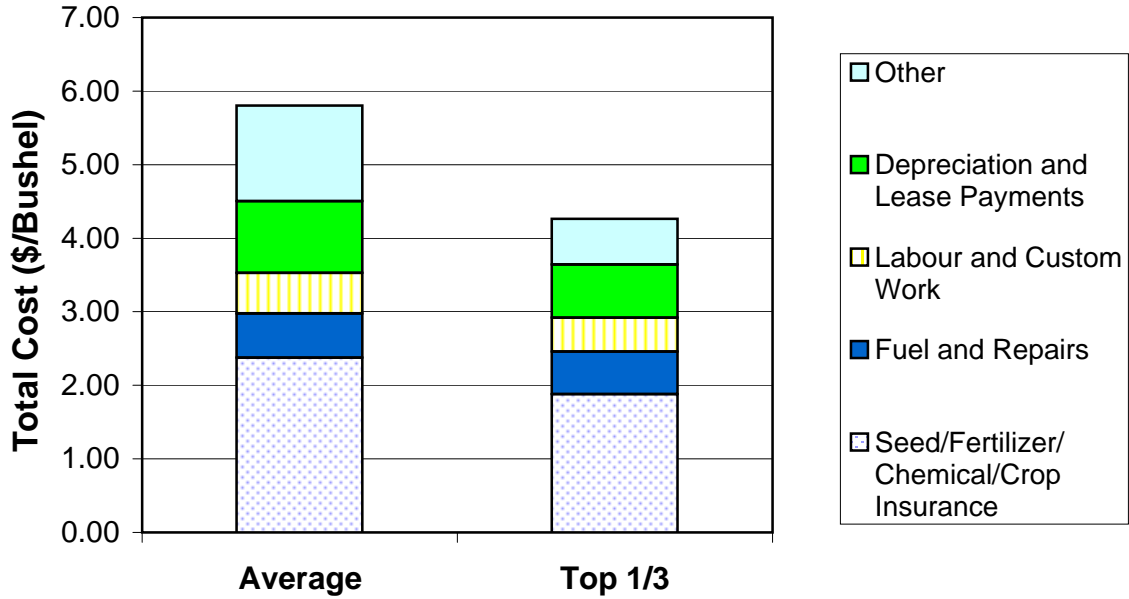
2002 Clearfield Canola on Grey Wooded

Total Cost (\$/Acre)



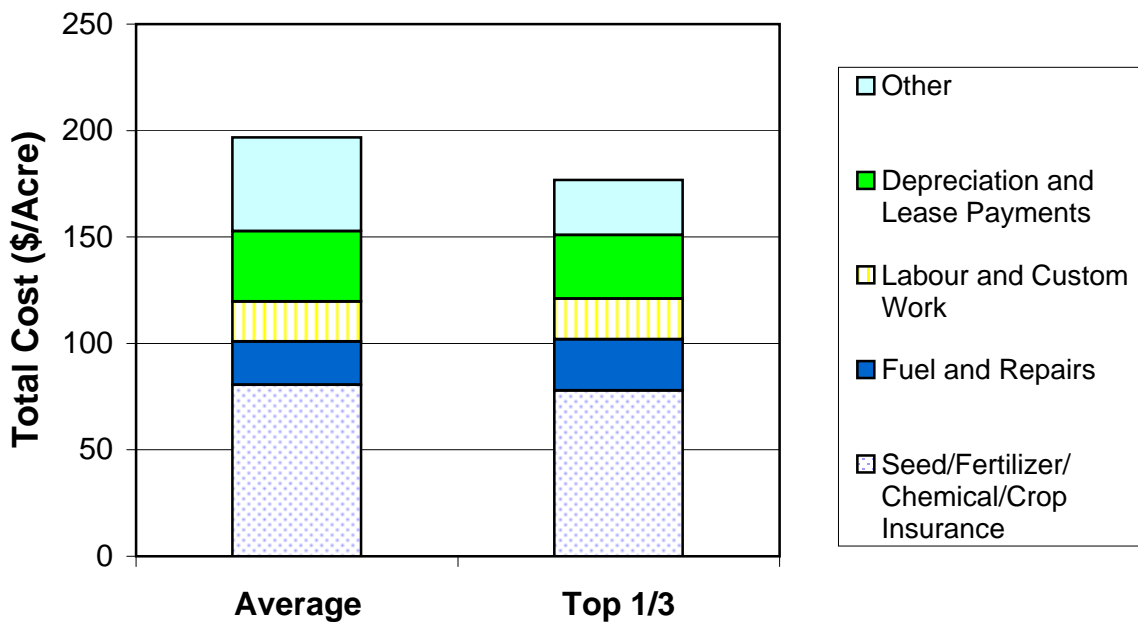
2002 Roundup Ready on Grey Wooded

Total Cost (\$/Bushel)



2002 Roundup Ready on Grey Wooded

Total Cost (\$/Acre)



2002 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	182.84	201.17	4.91	4.76
	2. Crop Insurance Receipts	3.60	2.86	0.10	0.07
	3. Other Receipts	15.11	22.16	0.41	0.52
Gross Receipts		201.56	226.19	5.41	5.35
(B)	Cost Items				
	1. Seed	16.25	17.71	0.44	0.42
	2. Fertilizer	30.44	32.19	0.82	0.76
	3. Chemical	18.69	18.85	0.50	0.45
	4. Hail/Crop Insurance Premium	4.85	3.14	0.13	0.07
	5. Trucking and Marketing	6.72	7.25	0.18	0.17
	6. Fuel	8.05	8.21	0.22	0.19
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	10.00	10.06	0.27	0.24
	9. Repairs - Buildings	1.69	1.43	0.05	0.03
	10. Utilities and Miscellaneous	9.81	6.71	0.26	0.16
	11. Custom Work	7.54	7.52	0.20	0.18
	12. Operating Interest Paid	0.39	0.11	0.01	0.00
	13. Paid Labour	2.76	3.85	0.07	0.09
	14. Unpaid Labour	9.78	7.09	0.26	0.17
Variable Costs		126.98	124.12	3.41	2.94
(C)	1. Cash/ Share Land Rent	6.58	1.15	0.18	0.03
	2. Taxes, Water Rates, License & Ins.	3.44	3.73	0.09	0.09
	3. Equipment and Building: a) Depreciation	31.09	27.26	0.83	0.64
	b) Lease Payments	0.31	0.68	0.01	0.02
	4. Paid Capital Interest	6.92	6.74	0.19	0.94
Capital Costs		48.33	39.57	1.30	1.71
(D)	Cash Costs (B+C-B14-C3a)	134.44	129.34	3.61	3.84
(E)	Total Production Costs (B+C)	175.30	163.69	4.71	4.65
	Gross Margin (A-D)	67.12	96.85	1.80	1.51
	Return to Unpaid Labour (A-E+B14)	36.04	69.59	0.97	0.87
	Return to Investment (A-E+C4)	33.18	69.24	0.89	1.64
	Return to Equity (A-E)	26.26	62.50	0.70	0.70

Investment

Buildings	73.82	78.17
Machinery	300.63	257.84
Irrigation Machinery	0.00	0.00
Total (incl. Land)	825.76	871.65

Management

Average Yield	(Bushel/acre)	37.25	42.28
Expected Market Price	(\$/Bushel)	4.91	4.76

2002 Crop Enterprise Analysis

AgriProfit\$

Crop: *Spring Wheat - Own*
Soil Zone: *Grey Wooded - Dryland*
Unit: *Bushel*

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	176.82	202.69	4.80	4.82
	2. Crop Insurance Receipts	4.59	4.63	0.12	0.11
	3. Other Receipts	18.26	26.92	0.50	0.64
	Gross Receipts	199.67	234.24	5.42	5.58
(B)	Cost Items				
	1. Seed	17.45	15.44	0.47	0.37
	2. Fertilizer	31.51	33.66	0.86	0.80
	3. Chemical	18.27	18.80	0.50	0.45
	4. Hail/Crop Insurance Premium	4.18	2.15	0.11	0.05
	5. Trucking and Marketing	7.06	7.75	0.19	0.18
	6. Fuel	8.16	8.18	0.22	0.19
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	10.18	8.97	0.28	0.21
	9. Repairs - Buildings	2.00	1.16	0.05	0.03
	10. Utilities and Miscellaneous	8.08	7.83	0.22	0.19
	11. Custom Work	7.78	6.23	0.21	0.15
	12. Operating Interest Paid	0.26	0.17	0.01	0.00
	13. Paid Labour	2.74	4.72	0.07	0.11
	14. Unpaid Labour	9.58	6.13	0.26	0.15
	Variable Costs	127.26	121.19	3.45	2.88
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	3.93	3.98	0.11	0.09
	3. Equipment and Building:				
	a) Depreciation	30.16	26.26	0.82	0.63
b) Lease Payments	0.39	1.11	0.01	0.03	
4. Paid Capital Interest	7.04	5.00	0.19	0.87	
	Capital Costs	41.53	36.35	1.13	1.61
(D)	Cash Costs	(B+C-B14-C3a)	129.04	125.15	3.50
(E)	Total Production Costs	(B+C)	168.79	157.54	4.58
	Gross Margin	(A-D)	70.63	109.09	1.92
	Return to Unpaid Labour	(A-E+B14)	40.46	82.83	1.10
	Return to Investment	(A-E+C4)	37.92	81.70	1.03
	Return to Equity	(A-E)	30.88	76.70	0.84

Investment

Buildings	77.60	97.29
Machinery	289.26	237.50
Irrigation Machinery	0.00	0.00
Total (incl. Land)	941.11	861.76

Management

Average Yield	(Bushel/acre)	36.84	42.01
Expected Market Price	(\$/Bushel)	4.80	4.82

2002 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Bushel -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	204.94	--	5.29	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	3.57	--	0.09	--	
	Gross Receipts	208.51	0.00	5.38	0.00	
(B)	Cost Items					
	1. Seed	11.88	--	0.31	--	
	2. Fertilizer	26.50	--	0.68	--	
	3. Chemical	20.23	--	0.52	--	
	4. Hail/Crop Insurance Premium	7.32	--	0.19	--	
	5. Trucking and Marketing	5.50	--	0.14	--	
	6. Fuel	7.63	--	0.20	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	9.33	--	0.24	--	
	9. Repairs - Buildings	0.53	--	0.01	--	
	10. Utilities and Miscellaneous	16.18	--	0.42	--	
	11. Custom Work	6.64	--	0.17	--	
	12. Operating Interest Paid	0.86	--	0.02	--	
	13. Paid Labour	2.81	--	0.07	--	
	14. Unpaid Labour	10.52	--	0.27	--	
Variable Costs	125.94	0.00	3.25	0.00		
(C)	1. Cash/ Share Land Rent	30.71	--	0.79	--	
	2. Taxes, Water Rates, License & Ins.	1.63	--	0.04	--	
	3. Equipment and Building:	a) Depreciation	34.48	--	0.89	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	6.48	--	0.17	--	
Capital Costs	73.29	0.00	1.89	0.00		
(D)	Cash Costs (B+C-B14-C3a)	154.24	--	3.98	--	
(E)	Total Production Costs (B+C)	199.23	--	5.14	--	
	Gross Margin (A-D)	54.27	--	1.40	--	
	Return to Unpaid Labour (A-E+B14)	19.79	--	0.51	--	
	Return to Investment (A-E+C4)	15.75	--	0.41	--	
	Return to Equity (A-E)	9.28	--	0.24	--	

Investment

Buildings	59.92	--
Machinery	342.38	--
Irrigation Machinery	0.00	--
Total (incl. Land)	402.30	--

Management

Average Yield	(Bushel/acre)	38.74	--
Expected Market Price	(\$/Bushel)	5.29	--

2002 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	189.08	--	4.23	--
	2. Crop Insurance Receipts	18.48	--	0.41	--
	3. Other Receipts	17.91	--	0.40	--
	Gross Receipts	225.47	0.00	5.04	0.00
(B)	Cost Items				
	1. Seed	13.79	--	0.31	--
	2. Fertilizer	32.33	--	0.72	--
	3. Chemical	21.56	--	0.48	--
	4. Hail/Crop Insurance Premium	4.61	--	0.10	--
	5. Trucking and Marketing	4.15	--	0.09	--
	6. Fuel	9.05	--	0.20	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	5.38	--	0.12	--
	9. Repairs - Buildings	0.97	--	0.02	--
	10. Utilities and Miscellaneous	7.22	--	0.16	--
	11. Custom Work	2.50	--	0.06	--
	12. Operating Interest Paid	2.00	--	0.04	--
	13. Paid Labour	1.79	--	0.04	--
	14. Unpaid Labour	12.37	--	0.28	--
	Variable Costs	117.70	0.00	2.63	0.00
(C)	1. Cash/ Share Land Rent	13.06	--	0.29	--
	2. Taxes, Water Rates, License & Ins.	3.51	--	0.08	--
	3. Equipment and Building: a) Depreciation	18.47	--	0.41	--
	b) Lease Payments	8.96	--	0.20	--
4. Paid Capital Interest	1.22	--	0.03	--	
	Capital Costs	45.21	0.00	1.01	0.00
(D)	Cash Costs (B+C-B14-C3a)	132.08	--	2.95	--
(E)	Total Production Costs (B+C)	162.91	--	3.64	--
	Gross Margin (A-D)	93.40	--	2.09	--
	Return to Unpaid Labour (A-E+B14)	74.93	--	1.68	--
	Return to Investment (A-E+C4)	63.78	--	1.43	--
	Return to Equity (A-E)	62.56	--	1.40	--

Investment

Buildings	83.56	--
Machinery	166.84	--
Irrigation Machinery	0.00	--
Total (incl. Land)	427.66	--

Management

Average Yield (Bushel/acre)	44.73	--
Expected Market Price (\$/Bushel)	4.23	--

2002 Crop Enterprise Analysis

AgriProfit\$

Crop: **CPS Wheat - Own**
 Soil Zone: **Grey Wooded - Dryland**
 Unit: **Bushel**

		----- \$/Acre -----		----- \$/Bushel -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	105.83	--	4.21	--	
	2. Crop Insurance Receipts	46.60	--	1.85	--	
	3. Other Receipts	16.71	--	0.66	--	
	Gross Receipts	169.14	0.00	6.73	0.00	
(B)	Cost Items					
	1. Seed	13.50	--	0.54	--	
	2. Fertilizer	30.41	--	1.21	--	
	3. Chemical	18.90	--	0.75	--	
	4. Hail/Crop Insurance Premium	4.83	--	0.19	--	
	5. Trucking and Marketing	6.32	--	0.25	--	
	6. Fuel	6.02	--	0.24	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	4.42	--	0.18	--	
	9. Repairs - Buildings	0.46	--	0.02	--	
	10. Utilities and Miscellaneous	10.73	--	0.43	--	
	11. Custom Work	6.30	--	0.25	--	
	12. Operating Interest Paid	0.27	--	0.01	--	
	13. Paid Labour	2.46	--	0.10	--	
	14. Unpaid Labour	9.81	--	0.39	--	
	Variable Costs	114.44	0.00	4.55	0.00	
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	4.81	--	0.19	--	
	3. Equipment and Building:	a) Depreciation	24.04	--	0.96	--
		b) Lease Payments	1.28	--	0.05	--
	4. Paid Capital Interest	3.07	--	0.12	--	
	Capital Costs	33.20	0.00	1.32	0.00	
(D)	Cash Costs (B+C-B14-C3a)	113.78	--	4.52	--	
(E)	Total Production Costs (B+C)	147.64	--	5.87	--	
	Gross Margin (A-D)	55.36	--	2.20	--	
	Return to Unpaid Labour (A-E+B14)	31.32	--	1.25	--	
	Return to Investment (A-E+C4)	24.57	--	0.98	--	
	Return to Equity (A-E)	21.50	--	0.86	--	

Investment

Buildings	113.47	--
Machinery	216.19	--
Irrigation Machinery	0.00	--
Total (incl. Land)	776.67	--

Management

Average Yield (Bushel/acre)	25.14	--
Expected Market Price (\$/Bushel)	4.21	--

2002 Crop Enterprise Analysis

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Crop: CPS Wheat - Rent
Soil Zone: Grey Wooded - Dryland
Unit: Bushel

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	243.79	--	4.23	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	18.70	--	0.32	--
Gross Receipts		262.49	0.00	4.56	0.00
(B)	Cost Items				
	1. Seed	13.97	--	0.24	--
	2. Fertilizer	33.59	--	0.58	--
	3. Chemical	23.30	--	0.40	--
	4. Hail/Crop Insurance Premium	4.47	--	0.08	--
	5. Trucking and Marketing	2.72	--	0.05	--
	6. Fuel	11.04	--	0.19	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	6.01	--	0.10	--
	9. Repairs - Buildings	1.31	--	0.02	--
	10. Utilities and Miscellaneous	4.92	--	0.09	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	3.14	--	0.05	--
	13. Paid Labour	1.35	--	0.02	--
	14. Unpaid Labour	14.04	--	0.24	--
Variable Costs		119.84	0.00	2.08	0.00
(C)	1. Cash/ Share Land Rent	21.64	--	0.38	--
	2. Taxes, Water Rates, License & Ins.	2.66	--	0.05	--
	3. Equipment and Building: a) Depreciation	14.81	--	0.26	--
	b) Lease Payments	14.00	--	0.24	--
	4. Paid Capital Interest	0.00	--	0.00	--
Capital Costs		53.11	0.00	0.92	0.00
(D)	Cash Costs (B+C-B14-C3a)	144.10	--	2.50	--
(E)	Total Production Costs (B+C)	172.95	--	3.00	--
	Gross Margin (A-D)	118.39	--	2.06	--
	Return to Unpaid Labour (A-E+B14)	103.59	--	1.80	--
	Return to Investment (A-E+C4)	89.54	--	1.55	--
	Return to Equity (A-E)	89.54	--	1.55	--

Investment

Buildings	63.90	--
Machinery	134.41	--
Irrigation Machinery	0.00	--
Total (incl. Land)	198.31	--

Management

Average Yield (Bushel/acre)	57.60	--
Expected Market Price (\$/Bushel)	4.23	--

2002 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	161.04	222.97	3.15	3.19
	2. Crop Insurance Receipts	1.99	0.00	0.04	0.00
	3. Other Receipts	5.75	21.55	0.11	0.31
	Gross Receipts	168.79	244.53	3.30	3.49
(B)	Cost Items				
	1. Seed	13.23	10.25	0.26	0.15
	2. Fertilizer	26.88	24.17	0.52	0.35
	3. Chemical	12.45	10.54	0.24	0.15
	4. Hail/Crop Insurance Premium	4.65	0.00	0.09	0.00
	5. Trucking and Marketing	3.11	2.81	0.06	0.04
	6. Fuel	10.27	16.35	0.20	0.23
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	10.14	14.24	0.20	0.20
	9. Repairs - Buildings	0.80	0.48	0.02	0.01
	10. Utilities and Miscellaneous	8.87	1.16	0.17	0.02
	11. Custom Work	1.23	0.00	0.02	0.00
	12. Operating Interest Paid	1.27	0.00	0.02	0.00
	13. Paid Labour	0.83	0.00	0.02	0.00
	14. Unpaid Labour	11.29	14.13	0.22	0.20
	Variable Costs	105.02	94.13	2.05	1.34
(C)	1. Cash/ Share Land Rent	4.58	0.00	0.09	0.00
	2. Taxes, Water Rates, License & Ins.	5.86	8.53	0.11	0.12
	3. Equipment and Building: a) Depreciation	30.34	26.07	0.59	0.37
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	6.34	7.33	0.12	0.60
	Capital Costs	47.13	41.93	0.92	1.09
(D)	Cash Costs (B+C-B14-C3a)	110.51	95.86	2.16	1.86
(E)	Total Production Costs (B+C)	152.14	136.06	2.97	2.44
	Gross Margin (A-D)	58.27	148.67	1.14	1.63
	Return to Unpaid Labour (A-E+B14)	27.93	122.60	0.55	1.26
	Return to Investment (A-E+C4)	22.99	115.79	0.45	1.65
	Return to Equity (A-E)	16.64	108.47	0.33	1.06

Investment

Buildings	84.91	112.39
Machinery	288.36	233.62
Irrigation Machinery	0.00	0.00
Total (incl. Land)	909.14	871.02

Management

Average Yield	(Bushel/acre)	51.20	70.00
Expected Market Price	(\$/Bushel)	3.15	3.19

2002 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	164.48	--	3.11	--
	2. Crop Insurance Receipts	1.47	--	0.03	--
	3. Other Receipts	7.06	--	0.13	--
	Gross Receipts	173.01	0.00	3.27	0.00
(B)	Cost Items				
	1. Seed	13.44	--	0.25	--
	2. Fertilizer	26.57	--	0.50	--
	3. Chemical	11.64	--	0.22	--
	4. Hail/Crop Insurance Premium	3.76	--	0.07	--
	5. Trucking and Marketing	3.12	--	0.06	--
	6. Fuel	10.35	--	0.20	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	9.75	--	0.18	--
	9. Repairs - Buildings	0.89	--	0.02	--
	10. Utilities and Miscellaneous	7.09	--	0.13	--
	11. Custom Work	1.32	--	0.02	--
	12. Operating Interest Paid	1.29	--	0.02	--
	13. Paid Labour	0.00	--	0.00	--
	14. Unpaid Labour	12.39	--	0.23	--
	Variable Costs	101.62	0.00	1.92	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	6.72	--	0.13	--
	3. Equipment and Building:				
	a) Depreciation	29.91	--	0.57	--
b) Lease Payments	0.00	--	0.00	--	
4. Paid Capital Interest	6.31	--	0.12	--	
	Capital Costs	42.94	0.00	0.81	0.00
(D)	Cash Costs (B+C-B14-C3a)	102.26	--	1.93	--
(E)	Total Production Costs (B+C)	144.56	--	2.73	--
	Gross Margin (A-D)	70.75	--	1.34	--
	Return to Unpaid Labour (A-E+B14)	40.84	--	0.77	--
	Return to Investment (A-E+C4)	34.76	--	0.66	--
	Return to Equity (A-E)	28.45	--	0.54	--

Investment

Buildings	95.26	--
Machinery	278.99	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1062.79	--

Management

Average Yield	(Bushel/acre)	52.88	--
Expected Market Price	(\$/Bushel)	3.11	--

2002 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	149.00	--	3.29	--
	2. Crop Insurance Receipts	3.81	--	0.08	--
	3. Other Receipts	1.16	--	0.03	--
Gross Receipts		153.97	0.00	3.40	0.00
(B)	Cost Items				
	1. Seed	12.50	--	0.28	--
	2. Fertilizer	27.93	--	0.62	--
	3. Chemical	15.27	--	0.34	--
	4. Hail/Crop Insurance Premium	7.77	--	0.17	--
	5. Trucking and Marketing	3.09	--	0.07	--
	6. Fuel	9.96	--	0.22	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	11.51	--	0.25	--
	9. Repairs - Buildings	0.49	--	0.01	--
	10. Utilities and Miscellaneous	15.09	--	0.33	--
	11. Custom Work	0.93	--	0.02	--
	12. Operating Interest Paid	1.21	--	0.03	--
	13. Paid Labour	3.75	--	0.08	--
	14. Unpaid Labour	7.45	--	0.16	--
Variable Costs		116.94	0.00	2.58	0.00
(C)	1. Cash/ Share Land Rent	20.65	--	0.46	--
	2. Taxes, Water Rates, License & Ins.	2.88	--	0.06	--
	3. Equipment and Building: a) Depreciation	31.84	--	0.70	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	6.45	--	0.14	--
Capital Costs		61.82	0.00	1.36	0.00
(D)	Cash Costs (B+C-B14-C3a)	139.48	--	3.08	--
(E)	Total Production Costs (B+C)	178.76	--	3.94	--
	Gross Margin (A-D)	14.49	--	0.32	--
	Return to Unpaid Labour (A-E+B14)	(17.35)	--	(0.38)	--
	Return to Investment (A-E+C4)	(18.35)	--	(0.40)	--
	Return to Equity (A-E)	(24.80)	--	(0.55)	--

Investment

Buildings	48.58	--
Machinery	321.26	--
Irrigation Machinery	0.00	--
Total (incl. Land)	369.84	--

Management

Average Yield	(Bushel/acre)	45.33	--
Expected Market Price	(\$/Bushel)	3.29	--

2002 Crop Enterprise Analysis

AgriProfit®

Crop: *Polish Canola - All*
 Soil Zone: *Grey Wooded - Dryland*
 Unit: *Bushel*

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	205.73	--	8.43	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	3.05	--	0.12	--
Gross Receipts		208.77	0.00	8.56	0.00
(B)	Cost Items				
	1. Seed	12.88	--	0.53	--
	2. Fertilizer	33.38	--	1.37	--
	3. Chemical	13.71	--	0.56	--
	4. Hail/Crop Insurance Premium	3.86	--	0.16	--
	5. Trucking and Marketing	4.79	--	0.20	--
	6. Fuel	10.12	--	0.41	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	10.41	--	0.43	--
	9. Repairs - Buildings	1.21	--	0.05	--
	10. Utilities and Miscellaneous	5.53	--	0.23	--
	11. Custom Work	1.10	--	0.05	--
	12. Operating Interest Paid	1.30	--	0.05	--
	13. Paid Labour	2.23	--	0.09	--
	14. Unpaid Labour	7.16	--	0.29	--
Variable Costs		107.70	0.00	4.41	0.00
(C)	Capital Costs				
	1. Cash/ Share Land Rent	4.18	--	0.17	--
	2. Taxes, Water Rates, License & Ins.	5.39	--	0.22	--
	3. Equipment and Building: a) Depreciation	27.44	--	1.12	--
	b) Lease Payments	0.23	--	0.01	--
	4. Paid Capital Interest	5.24	--	0.21	--
Capital Costs		42.49	0.00	1.74	0.00
(D)	Cash Costs (B+C-B14-C3a)	115.58	--	4.74	--
(E)	Total Production Costs (B+C)	150.19	--	6.16	--
	Gross Margin (A-D)	93.19	--	3.82	--
	Return to Unpaid Labour (A-E+B14)	65.74	--	2.69	--
	Return to Investment (A-E+C4)	63.82	--	2.62	--
	Return to Equity (A-E)	58.58	--	2.40	--

Investment

Buildings	94.09	--
Machinery	249.82	--
Irrigation Machinery	0.00	--
Total (incl. Land)	902.00	--

Management

Average Yield	(Bushel/acre)	24.40	--
Expected Market Price	(\$/Bushel)	8.43	--

2002 Crop Enterprise Analysis

AgriProfit\$

Crop: *Polish Canola - Own*
 Soil Zone: *Grey Wooded - Dryland*
 Unit: *Bushel*

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	190.82	--	8.41	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	3.92	--	0.17	--
Gross Receipts		194.74	0.00	8.58	0.00
(B)	Cost Items				
	1. Seed	13.15	--	0.58	--
	2. Fertilizer	31.99	--	1.41	--
	3. Chemical	10.30	--	0.45	--
	4. Hail/Crop Insurance Premium	5.03	--	0.22	--
	5. Trucking and Marketing	1.79	--	0.08	--
	6. Fuel	10.23	--	0.45	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	9.71	--	0.43	--
	9. Repairs - Buildings	1.19	--	0.05	--
	10. Utilities and Miscellaneous	4.28	--	0.19	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	1.54	--	0.07	--
	13. Paid Labour	0.58	--	0.03	--
	14. Unpaid Labour	9.33	--	0.41	--
Variable Costs		99.12	0.00	4.37	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	6.88	--	0.30	--
	3. Equipment and Building: a) Depreciation	26.49	--	1.17	--
	b) Lease Payments	0.30	--	0.01	--
	4. Paid Capital Interest	5.23	--	0.23	--
Capital Costs		38.90	0.00	1.71	0.00
(D)	Cash Costs (B+C-B14-C3a)	102.19	--	4.50	--
(E)	Total Production Costs (B+C)	138.01	--	6.08	--
	Gross Margin (A-D)	92.54	--	4.08	--
	Return to Unpaid Labour (A-E+B14)	66.06	--	2.91	--
	Return to Investment (A-E+C4)	61.95	--	2.73	--
	Return to Equity (A-E)	56.72	--	2.50	--

Investment

Buildings	91.49	--
Machinery	245.66	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1064.06	--

Management

Average Yield	(Bushel/acre)	22.70	--
Expected Market Price	(\$/Bushel)	8.41	--

2002 Crop Enterprise Analysis

AgriProfit\$

Crop: *Argentine Canola - All*
 Soil Zone: *Grey Wooded - Dryland*
 Unit: *Bushel*

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	269.37	376.82	8.36	9.03
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	16.33	0.98	0.51	0.02
Gross Receipts		285.70	377.80	8.86	9.05
(B)	Cost Items				
	1. Seed	16.83	17.77	0.52	0.43
	2. Fertilizer	34.81	30.13	1.08	0.72
	3. Chemical	24.06	25.96	0.75	0.62
	4. Hail/Crop Insurance Premium	5.90	4.26	0.18	0.10
	5. Trucking and Marketing	6.31	6.20	0.20	0.15
	6. Fuel	9.64	9.29	0.30	0.22
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	10.97	12.17	0.34	0.29
	9. Repairs - Buildings	1.33	2.03	0.04	0.05
	10. Utilities and Miscellaneous	9.09	5.00	0.28	0.12
	11. Custom Work	3.83	6.21	0.12	0.15
	12. Operating Interest Paid	0.41	0.42	0.01	0.01
	13. Paid Labour	4.90	2.46	0.15	0.06
	14. Unpaid Labour	7.45	10.01	0.23	0.24
Variable Costs		135.52	131.92	4.20	3.16
(C)	1. Cash/ Share Land Rent	1.89	0.00	0.06	0.00
	2. Taxes, Water Rates, License & Ins.	4.00	3.62	0.12	0.09
	3. Equipment and Building: a) Depreciation	27.88	28.13	0.86	0.67
	b) Lease Payments	1.78	1.79	0.06	0.04
	4. Paid Capital Interest	9.34	12.72	0.29	1.11
Capital Costs		44.89	46.27	1.39	1.91
(D)	Cash Costs (B+C-B14-C3a)	145.07	140.04	4.50	4.16
(E)	Total Production Costs (B+C)	180.41	178.19	5.60	5.07
	Gross Margin (A-D)	140.63	237.75	4.36	4.89
	Return to Unpaid Labour (A-E+B14)	112.74	209.62	3.50	4.22
	Return to Investment (A-E+C4)	114.63	212.33	3.56	5.09
	Return to Equity (A-E)	105.29	199.61	3.27	3.98

Investment

Buildings	74.84	44.83
Machinery	265.31	283.11
Irrigation Machinery	0.00	0.00
Total (incl. Land)	876.48	907.64

Management

Average Yield (Bushel/acre)	32.24	41.73
Expected Market Price (\$/Bushel)	8.36	9.03

2002 Crop Enterprise Analysis

AgriProfit®

Crop: *Argentine Canola - Own*
 Soil Zone: *Grey Wooded - Dryland*
 Unit: *Bushel*

		----- \$/Acre -----		----- \$/Bushel -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	277.80	--	8.35	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	17.74	--	0.53	--	
	Gross Receipts	295.54	0.00	8.89	0.00	
(B)	Cost Items					
	1. Seed	16.18	--	0.49	--	
	2. Fertilizer	34.60	--	1.04	--	
	3. Chemical	23.48	--	0.71	--	
	4. Hail/Crop Insurance Premium	5.46	--	0.16	--	
	5. Trucking and Marketing	6.53	--	0.20	--	
	6. Fuel	9.56	--	0.29	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	10.80	--	0.32	--	
	9. Repairs - Buildings	1.45	--	0.04	--	
	10. Utilities and Miscellaneous	8.01	--	0.24	--	
	11. Custom Work	4.06	--	0.12	--	
	12. Operating Interest Paid	0.37	--	0.01	--	
	13. Paid Labour	4.83	--	0.15	--	
	14. Unpaid Labour	7.50	--	0.23	--	
	Variable Costs	132.84	0.00	3.99	0.00	
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	4.15	--	0.12	--	
	3. Equipment and Building:	a) Depreciation	27.28	--	0.82	--
		b) Lease Payments	1.95	--	0.06	--
	4. Paid Capital Interest	9.46	--	0.28	--	
	Capital Costs	42.83	0.00	1.29	0.00	
(D)	Cash Costs (B+C-B14-C3a)	140.89	--	4.24	--	
(E)	Total Production Costs (B+C)	175.67	--	5.28	--	
	Gross Margin (A-D)	154.65	--	4.65	--	
	Return to Unpaid Labour (A-E+B14)	127.37	--	3.83	--	
	Return to Investment (A-E+C4)	129.33	--	3.89	--	
	Return to Equity (A-E)	119.87	--	3.60	--	

Investment

Buildings	78.90	--
Machinery	256.80	--
Irrigation Machinery	0.00	--
Total (incl. Land)	923.91	--

Management

Average Yield	(Bushel/acre)	33.26	--
Expected Market Price	(\$/Bushel)	8.35	--

2002 Crop Enterprise Analysis

AgriProfit\$

Crop: Clearfield Canola - All
Soil Zone: Grey Wooded - Dryland
Unit: Bushel

		----- \$/Acre -----		----- \$/Bushel -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	206.05	259.64	7.98	8.97	
	2. Crop Insurance Receipts	6.21	16.65	0.24	0.58	
	3. Other Receipts	25.63	13.59	0.99	0.47	
	Gross Receipts	237.89	289.89	9.21	10.02	
(B)	Cost Items					
	1. Seed	13.36	15.80	0.52	0.55	
	2. Fertilizer	40.65	36.64	1.57	1.27	
	3. Chemical	21.61	23.28	0.84	0.80	
	4. Hail/Crop Insurance Premium	7.88	6.29	0.31	0.22	
	5. Trucking and Marketing	5.25	5.80	0.20	0.20	
	6. Fuel	8.22	5.26	0.32	0.18	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	7.42	4.24	0.29	0.15	
	9. Repairs - Buildings	2.63	0.35	0.10	0.01	
	10. Utilities and Miscellaneous	8.40	8.76	0.33	0.30	
	11. Custom Work	2.03	3.27	0.08	0.11	
	12. Operating Interest Paid	0.25	0.19	0.01	0.01	
	13. Paid Labour	3.34	2.01	0.13	0.07	
	14. Unpaid Labour	9.78	8.09	0.38	0.28	
	Variable Costs	130.82	119.97	5.07	4.15	
(C)	1. Cash/ Share Land Rent	8.46	9.85	0.33	0.34	
	2. Taxes, Water Rates, License & Ins.	3.71	3.53	0.14	0.12	
	3. Equipment and Building:	a) Depreciation	27.85	23.12	1.08	0.80
		b) Lease Payments	1.74	1.05	0.07	0.04
	4. Paid Capital Interest	1.76	2.72	0.07	1.39	
	Capital Costs	43.53	40.27	1.69	2.69	
(D)	Cash Costs	136.72	129.02	5.30	5.76	
(E)	Total Production Costs	174.35	160.24	6.75	6.84	
	Gross Margin	101.16	160.86	3.92	4.26	
	Return to Unpaid Labour	73.31	137.74	2.84	3.46	
	Return to Investment	65.30	132.37	2.53	4.58	
	Return to Equity	63.53	129.65	2.46	3.18	

Investment

Buildings	123.76	102.28
Machinery	247.29	211.07
Irrigation Machinery	0.00	0.00
Total (incl. Land)	712.84	591.92

Management

Average Yield	(Bushel/acre)	25.82	28.93
Expected Market Price	(\$/Bushel)	7.98	8.97

2002 Crop Enterprise Analysis

Crop: Clearfield Canola - Own
Soil Zone: Grey Wooded - Dryland
Unit: Bushel

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	202.61	270.54	7.98	9.43
	2. Crop Insurance Receipts	8.31	27.11	0.33	0.95
	3. Other Receipts	27.73	0.91	1.09	0.03
	Gross Receipts	238.64	298.56	9.40	10.41
(B)	Cost Items				
	1. Seed	12.61	19.63	0.50	0.68
	2. Fertilizer	43.41	34.16	1.71	1.19
	3. Chemical	20.47	22.01	0.81	0.77
	4. Hail/Crop Insurance Premium	7.33	5.02	0.29	0.17
	5. Trucking and Marketing	5.21	6.88	0.21	0.24
	6. Fuel	8.97	4.25	0.35	0.15
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	8.31	3.98	0.33	0.14
	9. Repairs - Buildings	3.35	0.37	0.13	0.01
	10. Utilities and Miscellaneous	7.13	10.37	0.28	0.36
	11. Custom Work	2.43	4.40	0.10	0.15
	12. Operating Interest Paid	0.09	0.30	0.00	0.01
	13. Paid Labour	3.48	0.00	0.14	0.00
	14. Unpaid Labour	9.51	9.89	0.37	0.34
	Variable Costs	132.29	121.25	5.21	4.23
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	4.47	4.57	0.18	0.16
	3. Equipment and Building: a) Depreciation	27.39	24.97	1.08	0.87
	b) Lease Payments	1.81	0.00	0.07	0.00
4. Paid Capital Interest	1.20	3.90	0.05	1.17	
	Capital Costs	34.87	33.44	1.37	2.20
(D)	Cash Costs (B+C-B14-C3a)	130.26	119.83	5.13	5.21
(E)	Total Production Costs (B+C)	167.16	154.69	6.58	6.42
	Gross Margin (A-D)	108.38	178.73	4.27	5.20
	Return to Unpaid Labour (A-E+B14)	80.99	153.76	3.19	4.33
	Return to Investment (A-E+C4)	72.68	147.78	2.86	5.15
	Return to Equity (A-E)	71.49	143.87	2.82	3.99

Investment

Buildings	126.57	87.41
Machinery	242.07	238.91
Irrigation Machinery	0.00	0.00
Total (incl. Land)	826.35	786.23

Management

Average Yield (Bushel/acre)	25.39	28.68
Expected Market Price (\$/Bushel)	7.98	9.43

2002 Crop Enterprise Analysis

AgriProfit\$

Crop: *Clearfield Canola - Rent*
 Soil Zone: *Grey Wooded - Dryland*
 Unit: *Bushel*

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	216.22	--	7.99	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	19.43	--	0.72	--
Gross Receipts		235.65	0.00	8.70	0.00
(B)	Cost Items				
	1. Seed	15.56	--	0.57	--
	2. Fertilizer	32.50	--	1.20	--
	3. Chemical	24.99	--	0.92	--
	4. Hail/Crop Insurance Premium	9.51	--	0.35	--
	5. Trucking and Marketing	5.37	--	0.20	--
	6. Fuel	5.99	--	0.22	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	4.81	--	0.18	--
	9. Repairs - Buildings	0.51	--	0.02	--
	10. Utilities and Miscellaneous	12.14	--	0.45	--
	11. Custom Work	0.88	--	0.03	--
	12. Operating Interest Paid	0.69	--	0.03	--
	13. Paid Labour	2.96	--	0.11	--
	14. Unpaid Labour	10.57	--	0.39	--
Variable Costs		126.49	0.00	4.67	0.00
(C)	1. Cash/ Share Land Rent	33.41	--	1.23	--
	2. Taxes, Water Rates, License & Ins.	1.48	--	0.05	--
	3. Equipment and Building: a) Depreciation	29.22	--	1.08	--
	b) Lease Payments	1.54	--	0.06	--
	4. Paid Capital Interest	3.43	--	0.13	--
Capital Costs		69.07	0.00	2.55	0.00
(D)	Cash Costs (B+C-B14-C3a)	155.77	--	5.75	--
(E)	Total Production Costs (B+C)	195.56	--	7.22	--
	Gross Margin (A-D)	79.88	--	2.95	--
	Return to Unpaid Labour (A-E+B14)	50.66	--	1.87	--
	Return to Investment (A-E+C4)	43.51	--	1.61	--
	Return to Equity (A-E)	40.09	--	1.48	--

Investment

Buildings	115.45	--
Machinery	262.66	--
Irrigation Machinery	0.00	--
Total (incl. Land)	378.12	--

Management

Average Yield	(Bushel/acre)	27.08	--
Expected Market Price	(\$/Bushel)	7.99	--

2002 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	282.79	349.86	8.34	8.44
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	0.80	1.00	0.02	0.02
	Gross Receipts	283.59	350.86	8.36	8.46
(B)	Cost Items				
	1. Seed	24.58	17.09	0.72	0.41
	2. Fertilizer	28.60	29.51	0.84	0.71
	3. Chemical	20.63	26.43	0.61	0.64
	4. Hail/Crop Insurance Premium	6.78	4.80	0.20	0.12
	5. Trucking and Marketing	6.64	6.67	0.20	0.16
	6. Fuel	7.94	9.03	0.23	0.22
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	10.75	12.95	0.32	0.31
	9. Repairs - Buildings	1.57	2.11	0.05	0.05
	10. Utilities and Miscellaneous	9.91	5.07	0.29	0.12
	11. Custom Work	5.19	7.00	0.15	0.17
	12. Operating Interest Paid	0.48	0.00	0.01	0.00
	13. Paid Labour	2.19	2.78	0.06	0.07
	14. Unpaid Labour	11.41	9.31	0.34	0.22
	Variable Costs	136.66	132.75	4.03	3.20
(C)	1. Cash/ Share Land Rent	15.45	0.00	0.46	0.00
	2. Taxes, Water Rates, License & Ins.	2.84	3.52	0.08	0.09
	3. Equipment and Building: a) Depreciation	33.12	29.96	0.98	0.72
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	8.74	10.56	0.26	1.06
	Capital Costs	60.15	44.05	1.77	1.87
(D)	Cash Costs (B+C-B14-C3a)	152.29	137.52	4.49	4.13
(E)	Total Production Costs (B+C)	196.81	176.80	5.80	5.07
	Gross Margin (A-D)	131.30	213.34	3.87	4.34
	Return to Unpaid Labour (A-E+B14)	98.18	183.37	2.90	3.62
	Return to Investment (A-E+C4)	95.52	184.62	2.82	4.45
	Return to Equity (A-E)	86.78	174.06	2.56	3.39

Investment

Buildings	59.19	44.87
Machinery	327.79	302.39
Irrigation Machinery	0.00	0.00
Total (incl. Land)	823.02	972.26

Management

Average Yield (Bushel/acre)	33.91	41.45
Expected Market Price (\$/Bushel)	8.34	8.44

2002 Crop Enterprise Analysis

Crop: Roundup Ready Canola - Own
Soil Zone: Grey Wooded - Dryland
Unit: Bushel

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	293.95	359.32	8.23	8.93
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	0.86	1.00	0.02	0.02
	Gross Receipts	294.81	360.32	8.25	8.95
(B)	Cost Items				
	1. Seed	20.12	17.09	0.56	0.42
	2. Fertilizer	28.61	29.51	0.80	0.73
	3. Chemical	23.30	26.43	0.65	0.66
	4. Hail/Crop Insurance Premium	5.84	4.80	0.16	0.12
	5. Trucking and Marketing	6.74	6.67	0.19	0.17
	6. Fuel	8.31	9.03	0.23	0.22
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	11.60	12.95	0.32	0.32
	9. Repairs - Buildings	1.85	2.11	0.05	0.05
	10. Utilities and Miscellaneous	7.57	5.07	0.21	0.13
	11. Custom Work	5.86	7.00	0.16	0.17
	12. Operating Interest Paid	0.27	0.00	0.01	0.00
	13. Paid Labour	2.33	2.78	0.07	0.07
	14. Unpaid Labour	10.67	9.31	0.30	0.23
	Variable Costs	133.06	132.75	3.72	3.30
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	3.61	3.52	0.10	0.09
	3. Equipment and Building: a) Depreciation	31.77	29.96	0.89	0.74
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	9.98	10.56	0.28	1.09
	Capital Costs	45.36	44.05	1.27	1.93
(D)	Cash Costs (B+C-B14-C3a)	135.98	137.52	3.81	4.25
(E)	Total Production Costs (B+C)	178.42	176.80	4.99	5.23
	Gross Margin (A-D)	158.83	222.80	4.45	4.70
	Return to Unpaid Labour (A-E+B14)	127.06	192.83	3.56	3.96
	Return to Investment (A-E+C4)	126.36	194.08	3.54	4.82
	Return to Equity (A-E)	116.38	183.52	3.26	3.73

Investment

Buildings	54.05	44.87
Machinery	316.41	302.39
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1007.66	972.26

Management

Average Yield (Bushel/acre)	35.73	40.24
Expected Market Price (\$/Bushel)	8.23	8.93

2002 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Bushel -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	258.60	--	8.63	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	0.68	--	0.02	--	
	Gross Receipts	259.28	0.00	8.65	0.00	
(B)	Cost Items					
	1. Seed	34.26	--	1.14	--	
	2. Fertilizer	28.57	--	0.95	--	
	3. Chemical	14.84	--	0.49	--	
	4. Hail/Crop Insurance Premium	8.82	--	0.29	--	
	5. Trucking and Marketing	6.44	--	0.21	--	
	6. Fuel	7.13	--	0.24	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	8.89	--	0.30	--	
	9. Repairs - Buildings	0.98	--	0.03	--	
	10. Utilities and Miscellaneous	14.98	--	0.50	--	
	11. Custom Work	3.74	--	0.12	--	
	12. Operating Interest Paid	0.93	--	0.03	--	
	13. Paid Labour	1.89	--	0.06	--	
	14. Unpaid Labour	13.00	--	0.43	--	
	Variable Costs	144.46	0.00	4.82	0.00	
(C)	1. Cash/ Share Land Rent	48.95	--	1.63	--	
	2. Taxes, Water Rates, License & Ins.	1.19	--	0.04	--	
	3. Equipment and Building:	a) Depreciation	36.04	--	1.20	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	6.05	--	0.20	--	
	Capital Costs	92.22	0.00	3.08	0.00	
(D)	Cash Costs	187.64	--	6.26	--	
(E)	Total Production Costs	236.67	--	7.90	--	
	Gross Margin	71.64	--	2.39	--	
	Return to Unpaid Labour	35.60	--	1.19	--	
	Return to Investment	28.66	--	0.96	--	
	Return to Equity	22.61	--	0.75	--	

Investment

Buildings	70.33	--
Machinery	352.45	--
Irrigation Machinery	0.00	--
Total (incl. Land)	422.78	--

Management

Average Yield	(Bushel/acre)	29.97	--
Expected Market Price	(\$/Bushel)	8.63	--

2002 Crop Enterprise Analysis

AgriProfit\$

Crop: *Field Peas - All*
Soil Zone: *Grey Wooded - Dryland*
Unit: *Bushel*

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	112.24	--	7.86	--
	2. Crop Insurance Receipts	52.74	--	3.69	--
	3. Other Receipts	9.61	--	0.67	--
	Gross Receipts	174.58	0.00	12.23	0.00
(B)	Cost Items				
	1. Seed	23.79	--	1.67	--
	2. Fertilizer	0.60	--	0.04	--
	3. Chemical	15.77	--	1.10	--
	4. Hail/Crop Insurance Premium	6.26	--	0.44	--
	5. Trucking and Marketing	6.44	--	0.45	--
	6. Fuel	11.66	--	0.82	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	12.33	--	0.86	--
	9. Repairs - Buildings	0.50	--	0.04	--
	10. Utilities and Miscellaneous	16.08	--	1.13	--
	11. Custom Work	2.25	--	0.16	--
	12. Operating Interest Paid	0.85	--	0.06	--
	13. Paid Labour	5.55	--	0.39	--
	14. Unpaid Labour	5.31	--	0.37	--
	Variable Costs	107.41	0.00	7.52	0.00
(C)	1. Cash/ Share Land Rent	12.68	--	0.89	--
	2. Taxes, Water Rates, License & Ins.	3.67	--	0.26	--
	3. Equipment and Building: a) Depreciation	32.51	--	2.28	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	8.20	--	0.57	--
	Capital Costs	57.06	0.00	4.00	0.00
(D)	Cash Costs (B+C-B14-C3a)	126.65	--	8.87	--
(E)	Total Production Costs (B+C)	164.47	--	11.52	--
	Gross Margin (A-D)	47.93	--	3.36	--
	Return to Unpaid Labour (A-E+B14)	15.42	--	1.08	--
	Return to Investment (A-E+C4)	18.31	--	1.28	--
	Return to Equity (A-E)	10.11	--	0.71	--

Investment

Buildings	55.84	--
Machinery	319.94	--
Irrigation Machinery	0.00	--
Total (incl. Land)	702.07	--

Management

Average Yield (Bushel/acre)	14.28	--
Expected Market Price (\$/Bushel)	7.86	--

2002 Crop Enterprise Analysis

AgriProfit\$

Crop: *Field Peas - Own*
 Soil Zone: *Grey Wooded - Dryland*
 Unit: *Bushel*

		----- \$/Acre -----		----- \$/Bushel -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	196.77	--	8.13	--	
	2. Crop Insurance Receipts	25.47	--	1.05	--	
	3. Other Receipts	18.89	--	0.78	--	
	Gross Receipts	241.13	0.00	9.96	0.00	
(B)	Cost Items					
	1. Seed	25.22	--	1.04	--	
	2. Fertilizer	1.31	--	0.05	--	
	3. Chemical	7.30	--	0.30	--	
	4. Hail/Crop Insurance Premium	6.99	--	0.29	--	
	5. Trucking and Marketing	9.36	--	0.39	--	
	6. Fuel	11.17	--	0.46	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	11.87	--	0.49	--	
	9. Repairs - Buildings	1.04	--	0.04	--	
	10. Utilities and Miscellaneous	11.20	--	0.46	--	
	11. Custom Work	1.58	--	0.07	--	
	12. Operating Interest Paid	0.92	--	0.04	--	
	13. Paid Labour	5.47	--	0.23	--	
	14. Unpaid Labour	3.43	--	0.14	--	
Variable Costs	96.86	0.00	4.00	0.00		
(C)	1. Cash/ Share Land Rent	2.42	--	0.10	--	
	2. Taxes, Water Rates, License & Ins.	5.14	--	0.21	--	
	3. Equipment and Building:	a) Depreciation	30.56	--	1.26	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	8.26	--	0.34	--	
Capital Costs	46.38	0.00	1.92	0.00		
(D)	Cash Costs (B+C-B14-C3a)	109.25	--	4.51	--	
(E)	Total Production Costs (B+C)	143.24	--	5.92	--	
	Gross Margin (A-D)	131.88	--	5.45	--	
	Return to Unpaid Labour (A-E+B14)	101.32	--	4.19	--	
	Return to Investment (A-E+C4)	106.16	--	4.39	--	
	Return to Equity (A-E)	97.89	--	4.05	--	

Investment

Buildings	82.74	--
Machinery	281.00	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1071.95	--

Management

Average Yield	(Bushel/acre)	24.20	--
Expected Market Price	(\$/Bushel)	8.13	--

2002 Crop Enterprise Analysis

AgriProfit\$

Crop: *Field Peas - Rent*
 Soil Zone: *Grey Wooded - Dryland*
 Unit: *Bushel*

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	40.02	--	6.90	--
	2. Crop Insurance Receipts	76.03	--	13.11	--
	3. Other Receipts	1.68	--	0.29	--
Gross Receipts		117.73	0.00	20.30	0.00
(B)	Cost Items				
	1. Seed	22.57	--	3.89	--
	2. Fertilizer	0.00	--	0.00	--
	3. Chemical	23.00	--	3.97	--
	4. Hail/Crop Insurance Premium	5.64	--	0.97	--
	5. Trucking and Marketing	3.95	--	0.68	--
	6. Fuel	12.08	--	2.08	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	12.73	--	2.20	--
	9. Repairs - Buildings	0.04	--	0.01	--
	10. Utilities and Miscellaneous	20.26	--	3.49	--
	11. Custom Work	2.83	--	0.49	--
	12. Operating Interest Paid	0.79	--	0.14	--
	13. Paid Labour	5.63	--	0.97	--
	14. Unpaid Labour	6.92	--	1.19	--
Variable Costs		116.43	0.00	20.07	0.00
(C)	1. Cash/ Share Land Rent	21.45	--	3.70	--
	2. Taxes, Water Rates, License & Ins.	2.42	--	0.42	--
	3. Equipment and Building: a) Depreciation	34.18	--	5.89	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	8.14	--	1.40	--
Capital Costs		66.18	0.00	11.41	0.00
(D)	Cash Costs (B+C-B14-C3a)	141.51	--	24.40	--
(E)	Total Production Costs (B+C)	182.60	--	31.48	--
	Gross Margin (A-D)	(23.79)	--	(4.10)	--
	Return to Unpaid Labour (A-E+B14)	(57.96)	--	(9.99)	--
	Return to Investment (A-E+C4)	(56.74)	--	(9.78)	--
	Return to Equity (A-E)	(64.88)	--	(11.19)	--

Investment

Buildings	32.86	--
Machinery	353.21	--
Irrigation Machinery	0.00	--
Total (incl. Land)	386.07	--

Management

Average Yield (Bushel/acre)	5.80	--
Expected Market Price (\$/Bushel)	6.90	--

2002 Crop Enterprise Analysis

AgriProfit\$

Crop: *Barley Silage - All*
 Soil Zone: *Grey Wooded - Dryland*
 Unit: *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	195.43	--	5.73	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	0.10	--	0.00	--
	Gross Receipts	195.53	0.00	5.73	0.00
(B)	Cost Items				
	1. Seed	6.15	--	0.18	--
	2. Fertilizer	30.36	--	0.89	--
	3. Chemical	13.70	--	0.40	--
	4. Hail/Crop Insurance Premium	2.72	--	0.08	--
	5. Trucking and Marketing	10.87	--	0.32	--
	6. Fuel	7.02	--	0.21	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	9.19	--	0.27	--
	9. Repairs - Buildings	0.79	--	0.02	--
	10. Utilities and Miscellaneous	7.39	--	0.22	--
	11. Custom Work	23.33	--	0.68	--
	12. Operating Interest Paid	0.31	--	0.01	--
	13. Paid Labour	4.72	--	0.14	--
14. Unpaid Labour	1.45	--	0.04	--	
Variable Costs	118.01	0.00	3.46	0.00	
(C)	1. Cash/ Share Land Rent	16.70	--	0.49	--
	2. Taxes, Water Rates, License & Ins.	1.78	--	0.05	--
	3. Equipment and Building: a) Depreciation	26.93	--	0.79	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	4.09	--	0.12	--	
Capital Costs	49.50	0.00	1.45	0.00	
(D)	Cash Costs (B+C-B14-C3a)	139.12	--	4.08	--
(E)	Total Production Costs (B+C)	167.51	--	4.91	--
	Gross Margin (A-D)	56.41	--	1.65	--
	Return to Unpaid Labour (A-E+B14)	29.48	--	0.86	--
	Return to Investment (A-E+C4)	32.11	--	0.94	--
	Return to Equity (A-E)	28.02	--	0.82	--

Investment

Buildings	88.06	--
Machinery	241.27	--
Irrigation Machinery	0.00	--
Total (incl. Land)	458.03	--

Management

Average Yield (Tonne/acre)	34.12	--
Expected Market Price (\$/Tonne)	5.73	--

2002 Crop Enterprise Analysis

AgriProfit\$

Crop: *Barley Silage - Rent*
 Soil Zone: *Grey Wooded - Dryland*
 Unit: *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	186.60	--	4.34	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	0.08	--	0.00	--
	Gross Receipts	186.69	0.00	4.35	0.00
(B)	Cost Items				
	1. Seed	5.15	--	0.12	--
	2. Fertilizer	29.57	--	0.69	--
	3. Chemical	15.48	--	0.36	--
	4. Hail/Crop Insurance Premium	3.54	--	0.08	--
	5. Trucking and Marketing	9.72	--	0.23	--
	6. Fuel	6.21	--	0.14	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	8.14	--	0.19	--
	9. Repairs - Buildings	0.64	--	0.01	--
	10. Utilities and Miscellaneous	6.71	--	0.16	--
	11. Custom Work	17.24	--	0.40	--
	12. Operating Interest Paid	0.25	--	0.01	--
	13. Paid Labour	3.84	--	0.09	--
14. Unpaid Labour	1.89	--	0.04	--	
	Variable Costs	108.36	0.00	2.52	0.00
(C)	1. Cash/ Share Land Rent	21.68	--	0.50	--
	2. Taxes, Water Rates, License & Ins.	1.14	--	0.03	--
	3. Equipment and Building: a) Depreciation	25.84	--	0.60	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	3.74	--	0.09	--	
	Capital Costs	52.39	0.00	1.22	0.00
(D)	Cash Costs (B+C-B14-C3a)	133.03	--	3.10	--
(E)	Total Production Costs (B+C)	160.75	--	3.74	--
	Gross Margin (A-D)	53.66	--	1.25	--
	Return to Unpaid Labour (A-E+B14)	27.82	--	0.65	--
	Return to Investment (A-E+C4)	29.67	--	0.69	--
	Return to Equity (A-E)	25.94	--	0.60	--

Investment

Buildings	83.69	--
Machinery	234.62	--
Irrigation Machinery	0.00	--
Total (incl. Land)	318.31	--

Management

Average Yield (Tonne/acre)	42.95	--
Expected Market Price (\$/Tonne)	4.34	--

2002 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	66.84	--	104.08	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	0.11	--	0.16	--	
	Gross Receipts	66.95	0.00	104.25	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	0.00	--	0.00	--	
	6. Fuel	23.75	--	36.98	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	13.09	--	20.38	--	
	9. Repairs - Buildings	0.00	--	0.00	--	
	10. Utilities and Miscellaneous	8.26	--	12.87	--	
	11. Custom Work	0.00	--	0.00	--	
	12. Operating Interest Paid	0.19	--	0.29	--	
	13. Paid Labour	24.18	--	37.66	--	
	14. Unpaid Labour	0.45	--	0.70	--	
Variable Costs	69.92	0.00	108.88	0.00		
(C)	1. Cash/ Share Land Rent	7.37	--	11.47	--	
	2. Taxes, Water Rates, License & Ins.	4.96	--	7.72	--	
	3. Equipment and Building:	a) Depreciation	20.86	--	32.48	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	10.25	--	15.96	--	
Capital Costs	43.44	0.00	67.64	0.00		
(D)	Cash Costs (B+C-B14-C3a)	92.05	--	143.34	--	
(E)	Total Production Costs (B+C)	113.36	--	176.52	--	
	Gross Margin (A-D)	(25.11)	--	(39.09)	--	
	Return to Unpaid Labour (A-E+B14)	(45.96)	--	(71.57)	--	
	Return to Investment (A-E+C4)	(36.16)	--	(56.31)	--	
	Return to Equity (A-E)	(46.41)	--	(72.27)	--	

Investment

Buildings	11.93	--
Machinery	201.64	--
Irrigation Machinery	0.00	--
Total (incl. Land)	586.91	--

Management

Average Yield	(Tonne/acre)	0.64	--
Expected Market Price	(\$/Tonne)	104.08	--

2002 Crop Enterprise Analysis

AgriProfit\$

Crop: *Grain Silage - All*
 Soil Zone: *Grey Wooded - Dryland*
 Unit: *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	122.50	--	38.58	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	1.34	--	0.42	--
Gross Receipts		123.84	0.00	39.00	0.00
(B)	Cost Items				
	1. Seed	9.00	--	2.83	--
	2. Fertilizer	14.00	--	4.41	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--
	5. Trucking and Marketing	0.08	--	0.03	--
	6. Fuel	6.97	--	2.20	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	0.99	--	0.31	--
	9. Repairs - Buildings	4.12	--	1.30	--
	10. Utilities and Miscellaneous	5.26	--	1.66	--
	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	7.23	--	2.28	--
Variable Costs		47.67	0.00	15.01	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	0.84	--	0.26	--
	3. Equipment and Building: a) Depreciation	8.97	--	2.83	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	0.00	--	0.00	--
Capital Costs		9.81	0.00	3.09	0.00
(D)	Cash Costs (B+C-B14-C3a)	41.27	--	13.00	--
(E)	Total Production Costs (B+C)	57.48	--	18.10	--
	Gross Margin (A-D)	82.57	--	26.01	--
	Return to Unpaid Labour (A-E+B14)	73.60	--	23.18	--
	Return to Investment (A-E+C4)	66.37	--	20.90	--
	Return to Equity (A-E)	66.37	--	20.90	--

Investment

Buildings	30.54	--
Machinery	77.19	--
Irrigation Machinery	0.00	--
Total (incl. Land)	457.72	--

Management

Average Yield (Tonne/acre)	3.18	--
Expected Market Price (\$/Tonne)	38.58	--

2002 Crop Enterprise Analysis

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

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	252.47	381.09	3.48	3.67
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	25.11	35.65	0.35	0.34
Gross Receipts		277.58	416.74	3.83	4.01
(B)	Cost Items				
	1. Seed	16.41	15.42	0.23	0.15
	2. Fertilizer	26.04	29.09	0.36	0.28
	3. Chemical	3.69	6.27	0.05	0.06
	4. Hail/Crop Insurance Premium	1.84	4.43	0.03	0.04
	5. Trucking and Marketing	3.13	6.37	0.04	0.06
	6. Fuel	8.41	9.60	0.12	0.09
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	11.62	13.05	0.16	0.13
	9. Repairs - Buildings	1.71	1.99	0.02	0.02
	10. Utilities and Miscellaneous	7.76	4.80	0.11	0.05
	11. Custom Work	22.27	16.39	0.31	0.16
	12. Operating Interest Paid	1.51	0.00	0.02	0.00
	13. Paid Labour	2.11	2.56	0.03	0.02
	14. Unpaid Labour	10.45	9.69	0.14	0.09
Variable Costs		116.95	119.66	1.61	1.15
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	3.31	3.91	0.05	0.04
	3. Equipment and Building: a) Depreciation	28.97	29.66	0.40	0.29
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	8.51	10.31	0.12	0.42
Capital Costs		40.79	43.88	0.56	0.75
(D)	Cash Costs (B+C-B14-C3a)	118.32	124.19	1.63	1.52
(E)	Total Production Costs (B+C)	157.74	163.54	2.17	1.90
	Gross Margin (A-D)	159.26	292.55	2.19	2.49
	Return to Unpaid Labour (A-E+B14)	130.30	262.89	1.80	2.21
	Return to Investment (A-E+C4)	128.35	263.51	1.77	2.54
	Return to Equity (A-E)	119.84	253.20	1.65	2.12

Investment

Buildings	99.83	50.13
Machinery	265.95	297.04
Irrigation Machinery	0.00	0.00
Total (incl. Land)	899.15	964.39

Management

Average Yield (Bushel/acre)	72.56	103.83
Expected Market Price (\$/Bushel)	3.48	3.67

FREQUENCY AND CUMULATIVE FREQUENCY DISTRIBUTION

Distribution charts organize data into pictures, which is a format that the human processing system (the brain) can better understand. Frequency distributions relate the percentage (or number) of observations falling in a specific range. Cumulative frequency distribution displays the same information as frequency distribution, but it is expressed as a “rate of change” (i.e. the steeper the slope the greater the change). Cumulative frequency also illustrates how many observations lie above or below certain values, rather than only recording the number of items within the intervals.

The frequency information in this benchmark report provides an indication of how crops performed, on a field-by-field basis, within the *AgriProfit\$* pool. Looking forward, this information can be used to evaluate how and why this crop might be included in future cropping plans based on these types of frequencies. In the following discussions, the spring wheat frequency distribution charts are used as an example of how to interpret the frequency information.

The first pair of charts provides the distribution of the spring wheat yield range in the Peace Grey-Wooded soil zone. From these charts a lot can be interpreted about yield performance:

- The low is less than 20 bushels per acre and the high is greater than 40 bushels per acre, and
- Approximately 60% of the spring wheat fields in the peace grey-wooded soil zone yield more than 30 bushels per acre

This detailed information provides a better understanding of yield variability. The average yield is 37.25 bushels per acre as listed on page 7 of the spring wheat crop analysis. While the average (or mean) is important, consideration of both the mean and variability ultimately sets the stage for good decision-making and management practices.

The second set of graphs focuses on the distribution of cost totals. Understanding these provides a basis for cost control and managing for yield per dollar invested. It is important to look at cash costs for individual field analysis (as an indication of cash flow pressure points). Cash costs include all cash expenses accrued to the production of that crop. Total production costs are important when assessing all crops together for an overall enterprise analysis, relating the longer term cost efficiency of each crop and the combined crop mix. Total production costs include the non-cash elements of unpaid labour and depreciation, in addition to cash costs. Looking at the charts, if the price of spring wheat was \$5 per bushel, then 81% of the fields are covering their cash costs and 46% of the fields are covering their total production costs. In the long run, the best mix of crops would cover total production costs and give a positive net return per acre.

The third set of graphs highlights contribution and gross margins. Contribution margin is the return over variable costs, which are a combination of variable cash and non-cash (unpaid labour) costs. It is the best single indicator of profitability at the individual field level and it is used to compare and select crops to grow regardless of the fields being owned or rented. The first objective in setting up a crop plan is to select crops with a positive contribution margin; this will identify the most profitable crop mix over the long term. Gross margin is the return over total cash costs, which include fixed costs (land rent, taxes, water rights, licenses and capital

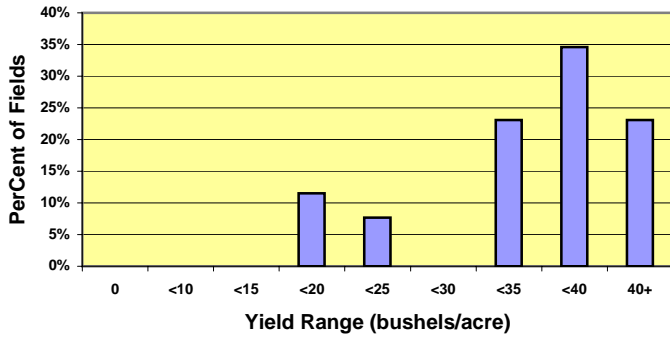
interest). It is valuable in predicting each crop's ability to generate cash flow for the year. From a cash flow point of view, the gross margin provides an indication of the crop's ability to contribute to principal payments and operator withdrawals. From a profitability perspective, gross margin is what is leftover to cover the non-cash costs and provide a return on investment.

The final set of graphs shows the distribution of returns to equity, or profit per unit of production. This example shows that 23% of the fields had a loss and 77% of the fields at least broke even. Return to equity can be used to compare the profitability of one crop versus another or one farm enterprise to another in the same industry.

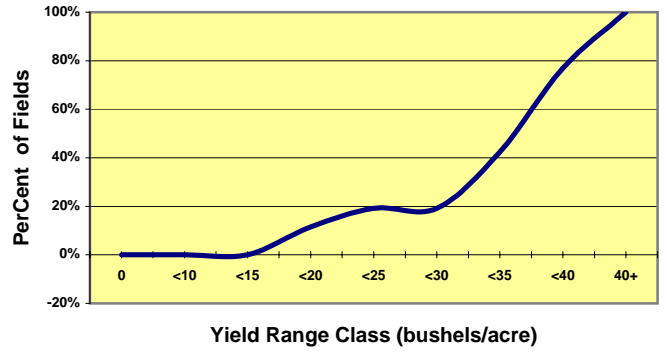
Understanding these concepts in *AgriProfit\$* and evaluating historical performance on a per bushel basis can be very useful for other AAFRD applications. For example, [CropChoice\\$](#) is a tool that combines traditional crop planning with the ability to measure the riskiness of your plan. Producers can then creatively evaluate potential risk management strategies.

Grey Wooded Soil Zone - Spring Wheat: 2003

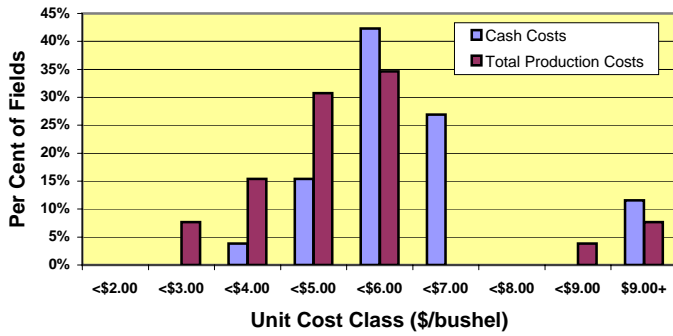
Frequency Distribution: Grey Wooded Soil Zone - Spring Wheat Yields



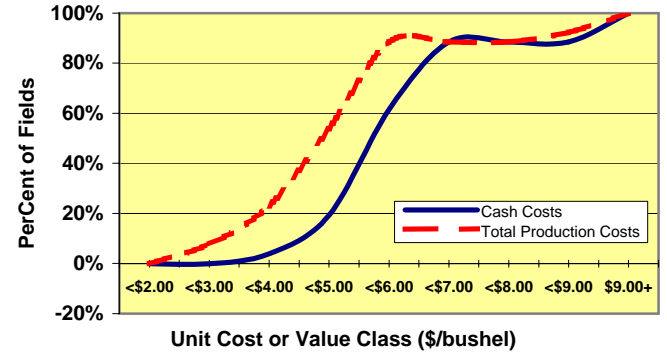
Cumulative Frequency Distribution of Grey Wooded Soil Zone - Spring Wheat Yields



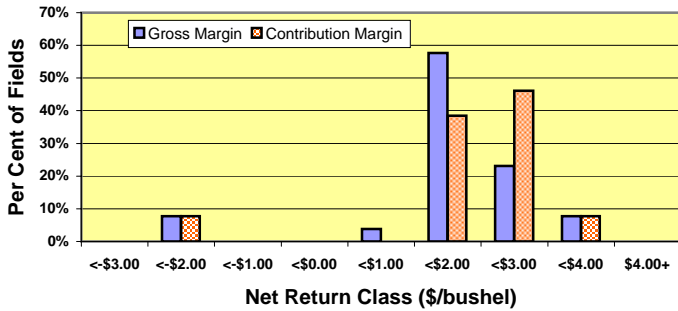
Frequency Distribution: Grey Wooded Soil Zone - Spring Wheat Costs



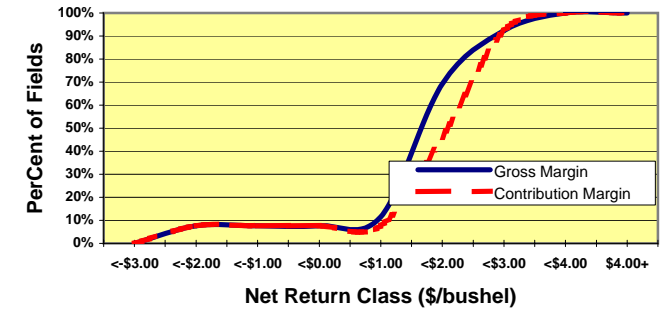
Cumulative Frequency Distribution of Grey Wooded Soil Zone - Spring Wheat Costs



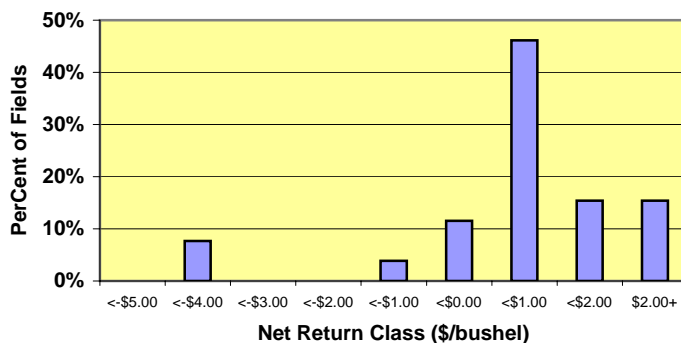
Frequency Distribution: Grey Wooded Soil Zone - Spring Wheat Margins



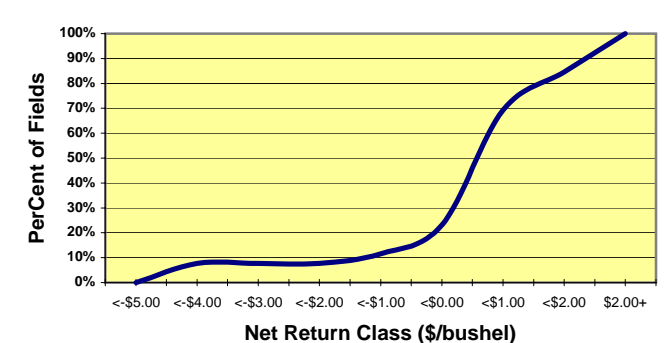
Cumulative Frequency Distribution of Grey Wooded Soil Zone - Spring Wheat Margins



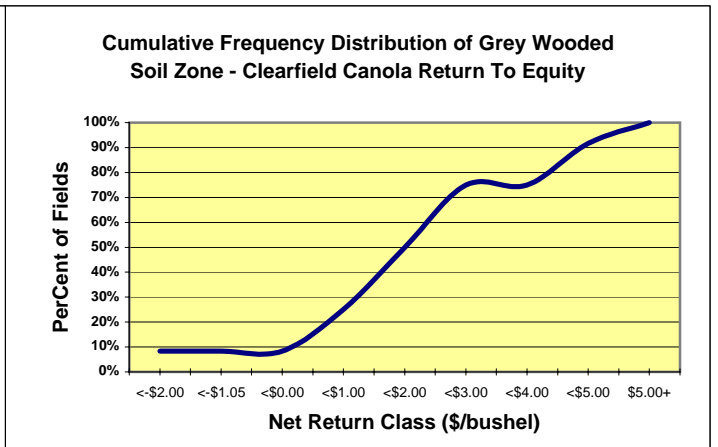
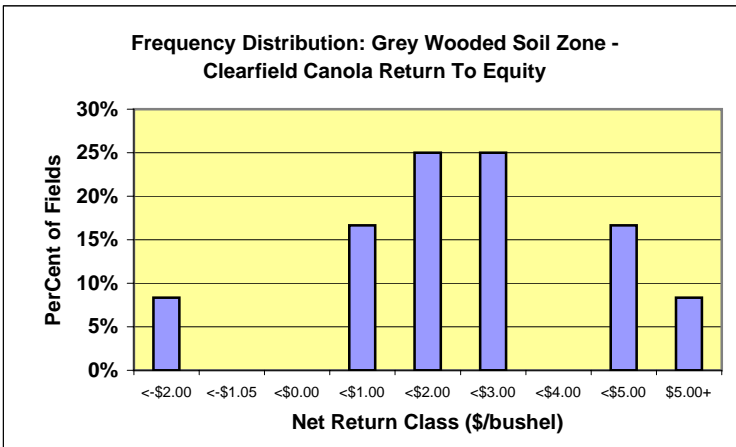
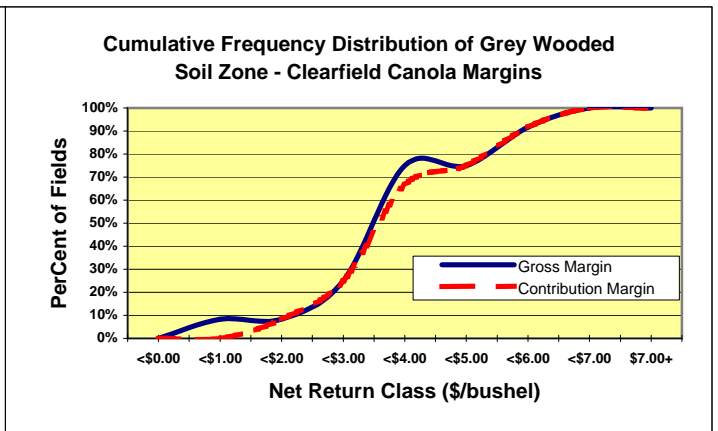
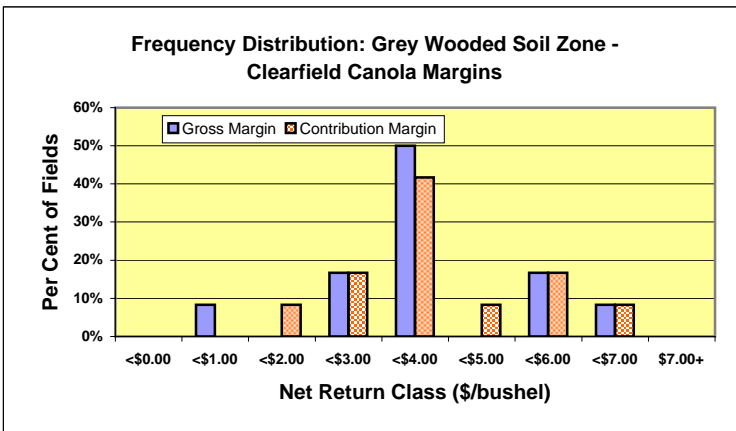
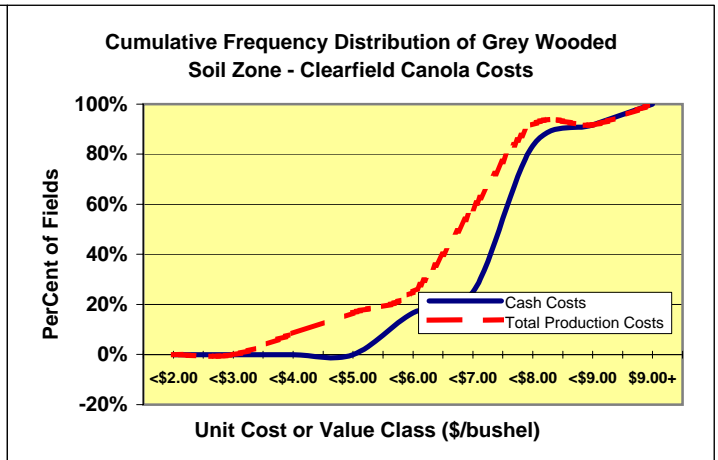
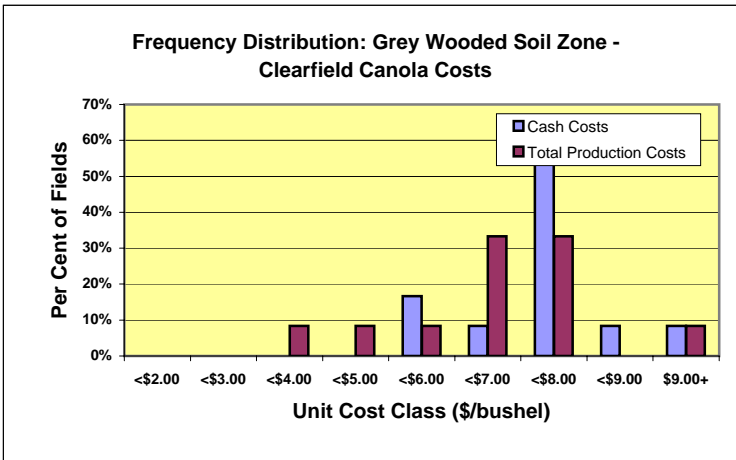
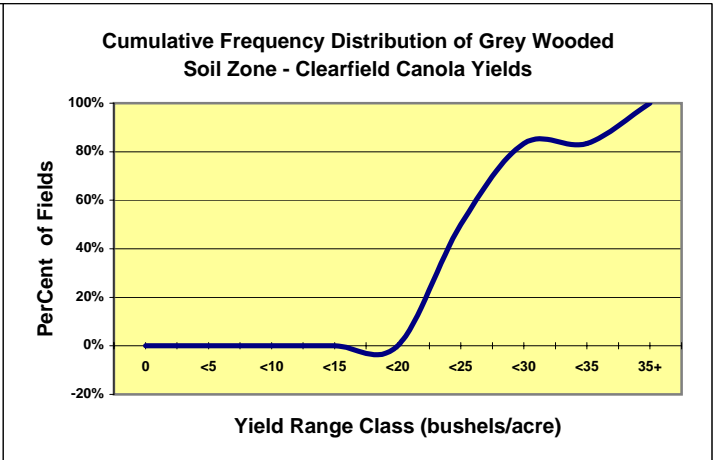
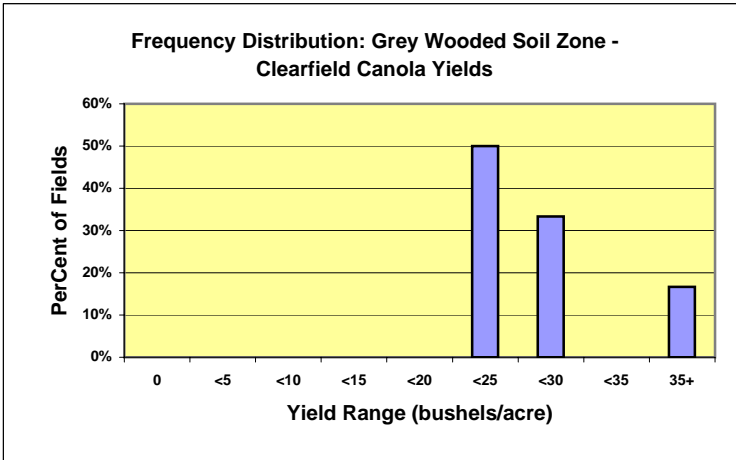
Frequency Distribution: Grey Wooded Soil Zone - Spring Wheat Return To Equity



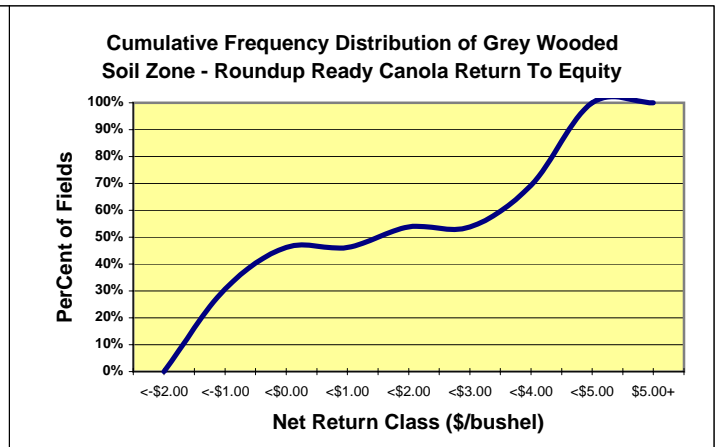
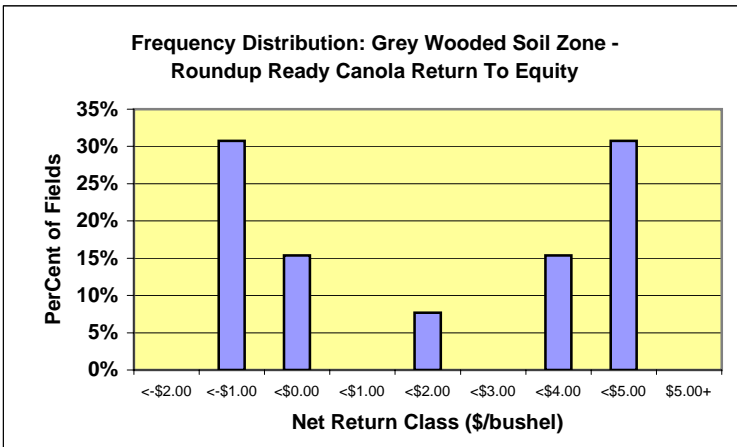
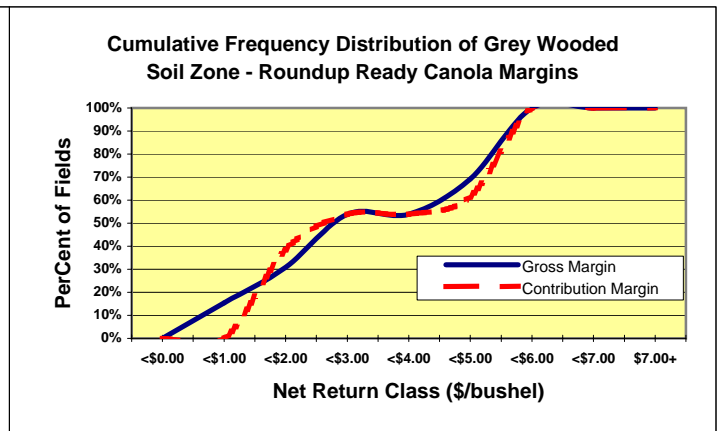
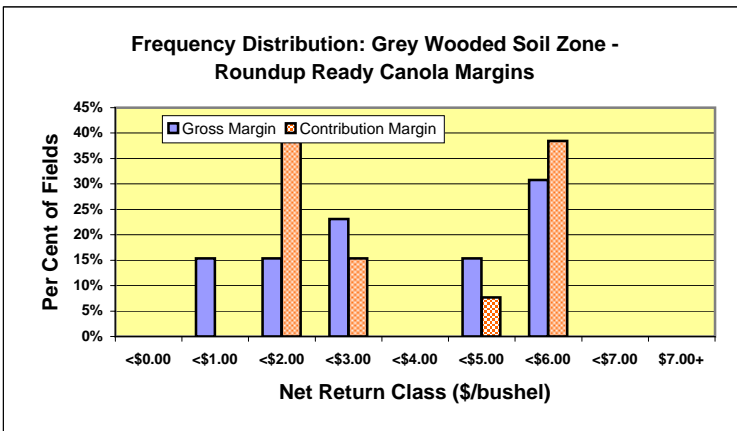
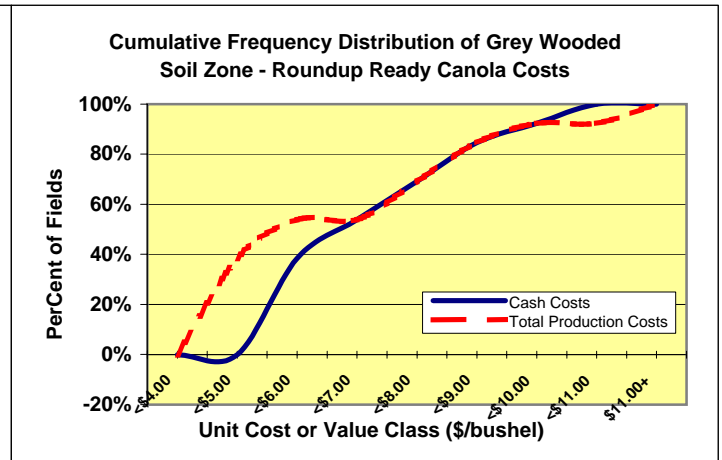
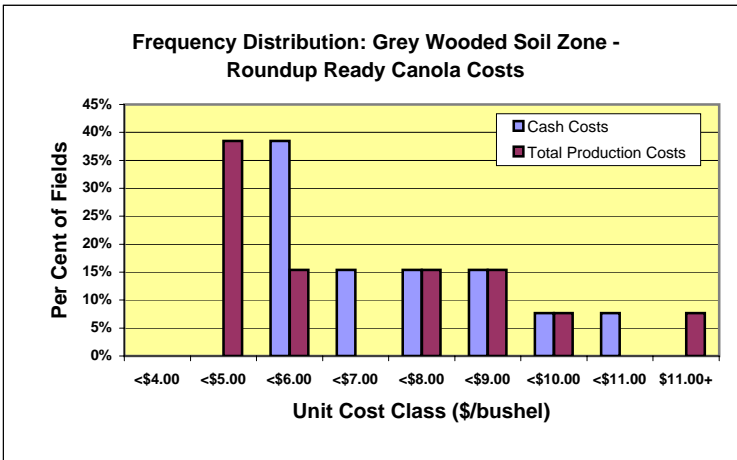
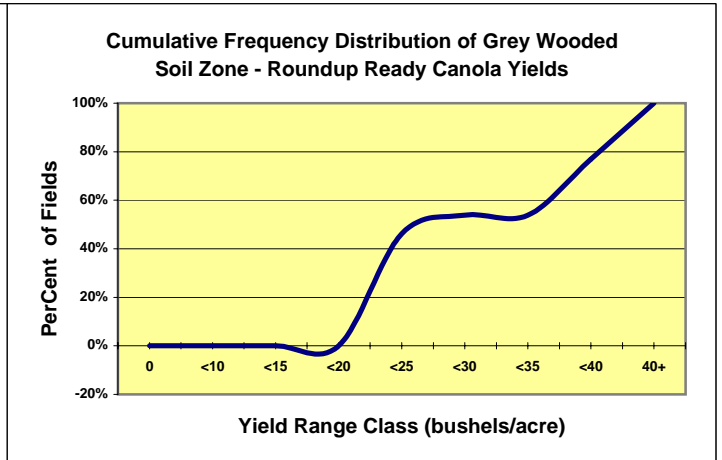
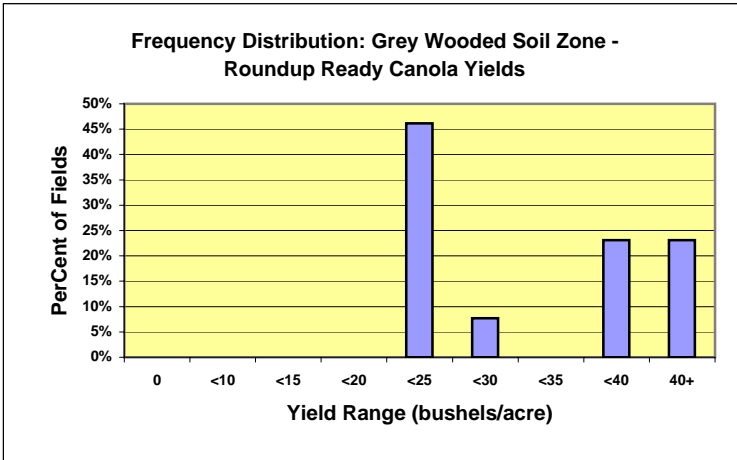
Cumulative Frequency Distribution of Grey Wooded Soil Zone - Spring Wheat Return To Equity



Grey Wooded Soil Zone - Clearfield Canola: 2003



Grey Wooded Soil Zone - Roundup Ready Canola: 2003



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