

AgriProfit\$

**Cost and Return Profiles for
Selected Crops, 2003
*Black Soil Zone***

July, 2005

Alberta
AGRICULTURE, FOOD AND
RURAL DEVELOPMENT



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OVERVIEW

2003 Black and Thin Black Soil Zones

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 black and thin black soil zones. 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 Black and Thin Black Soil Zone areas of Alberta. Please note that farms highlighted within this zone may contain characteristics of neighbouring soil zones, however, this is the grouping method used for this study.

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

For questions regarding this document please contact:

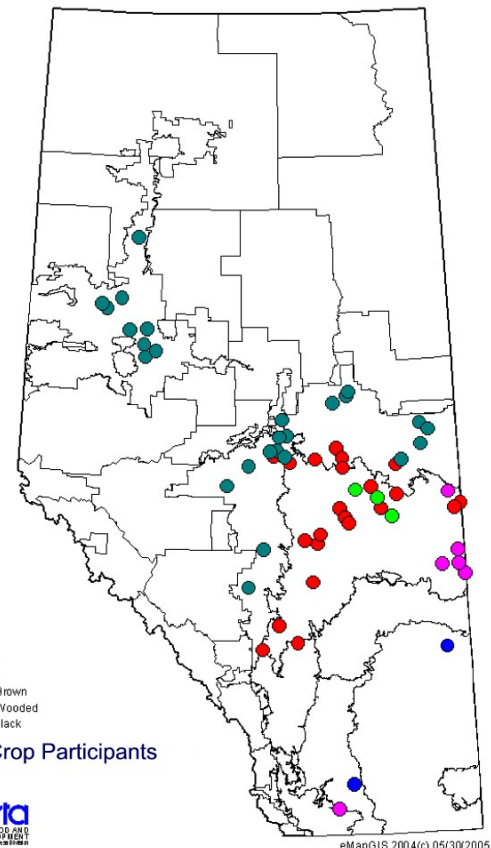
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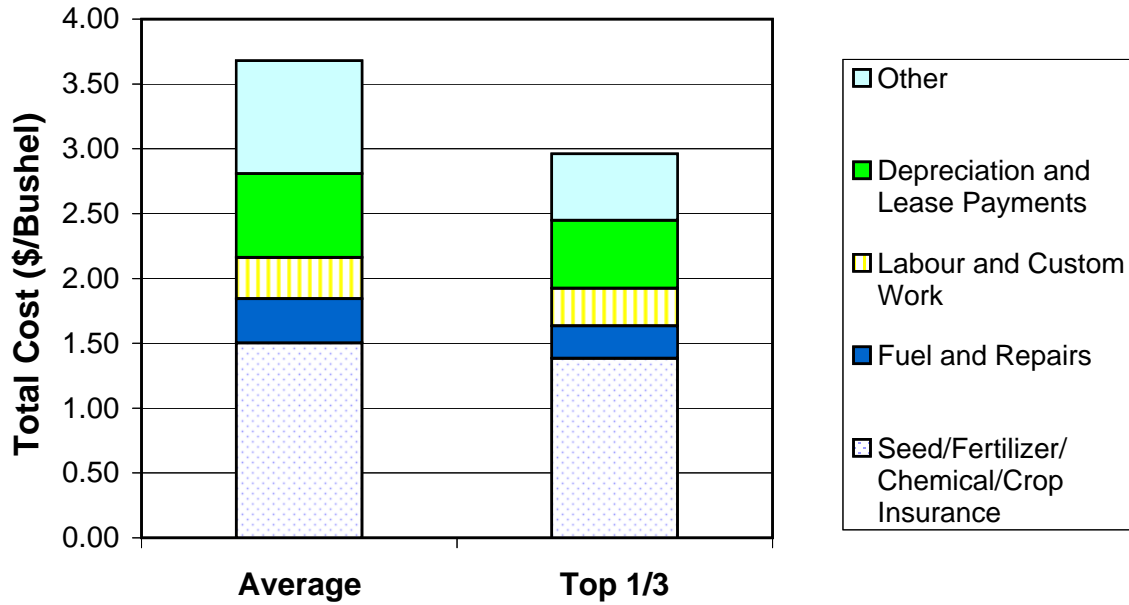
● Black
 ● Brown
 ● Dark Brown
 ● Grey Wooded
 ● Thin Black
 2003 Crop Participants



eMapGIS 2004(c) 05/30/2005

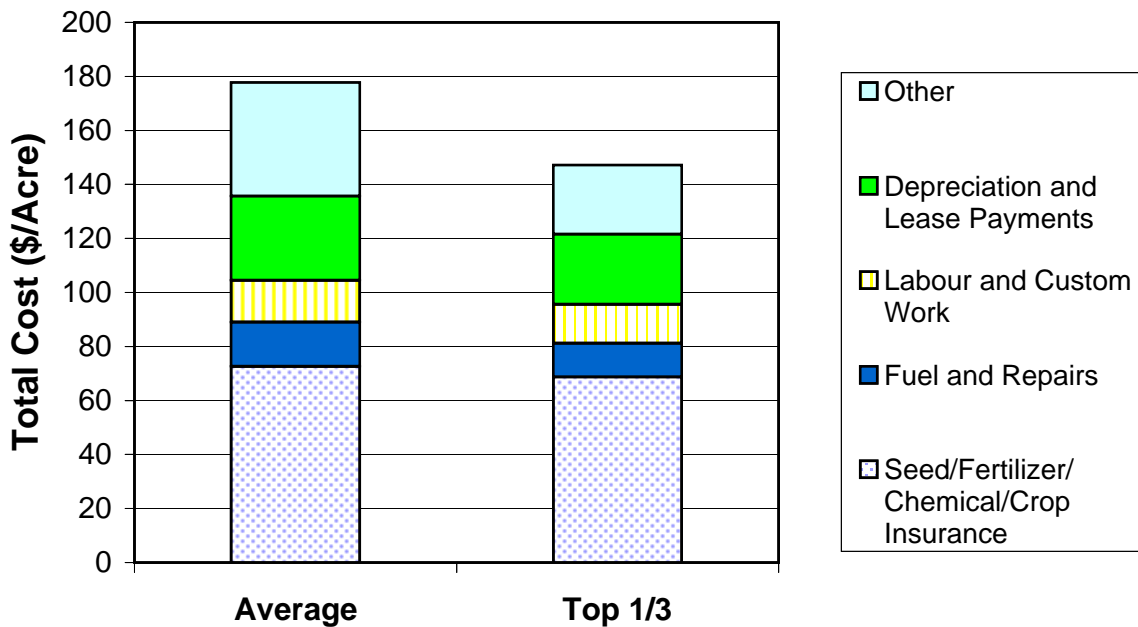
2003 Spring Wheat on Black Soil

Total Cost (\$/Bushel)



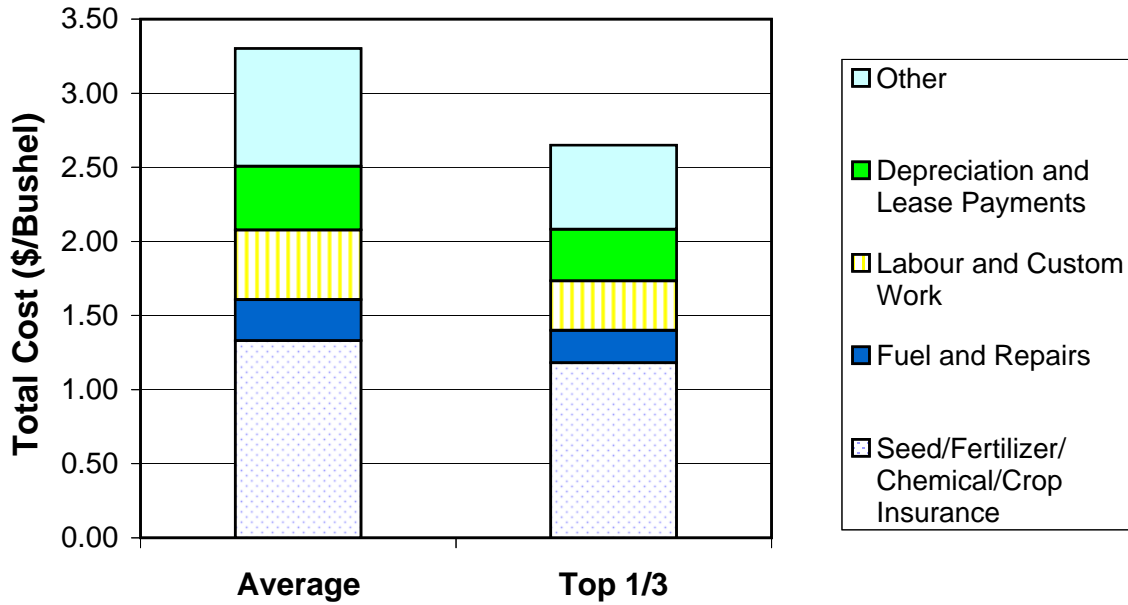
2003 Spring Wheat on Black Soil

Total Cost (\$/Acre)



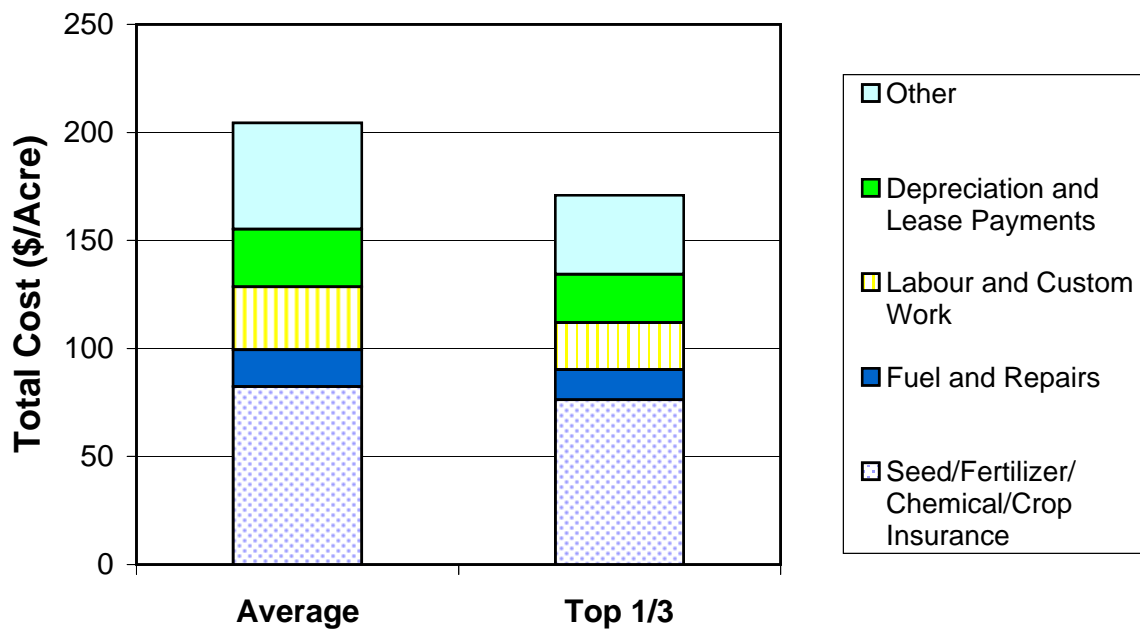
2003 CPS Wheat on Black Soil

Total Cost (\$/Bushel)



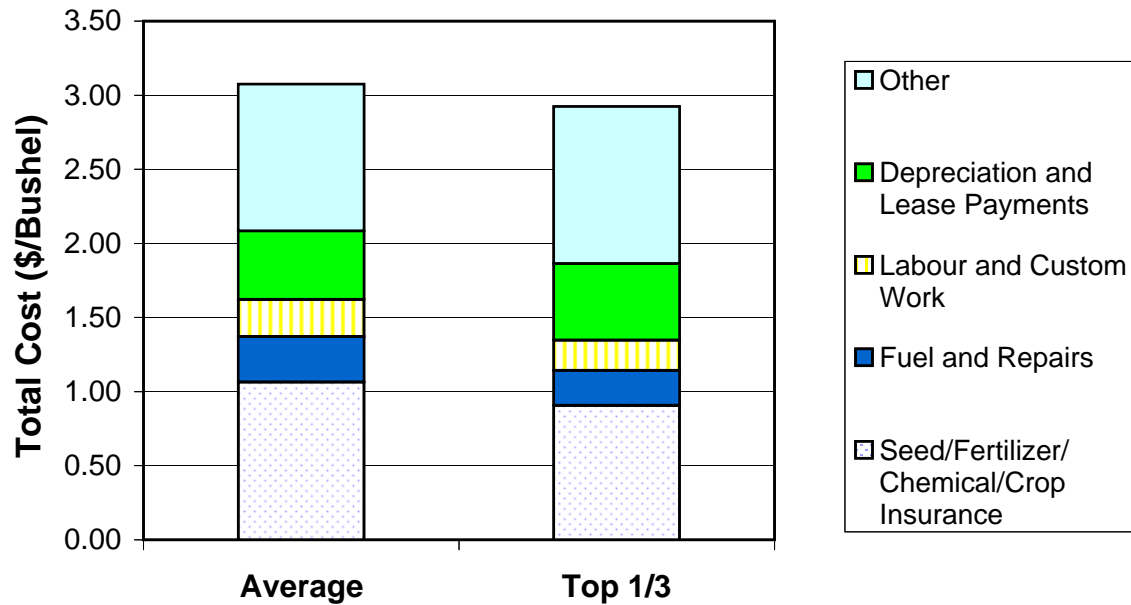
2003 CPS Wheat on Black Soil

Total Cost (\$/Acre)



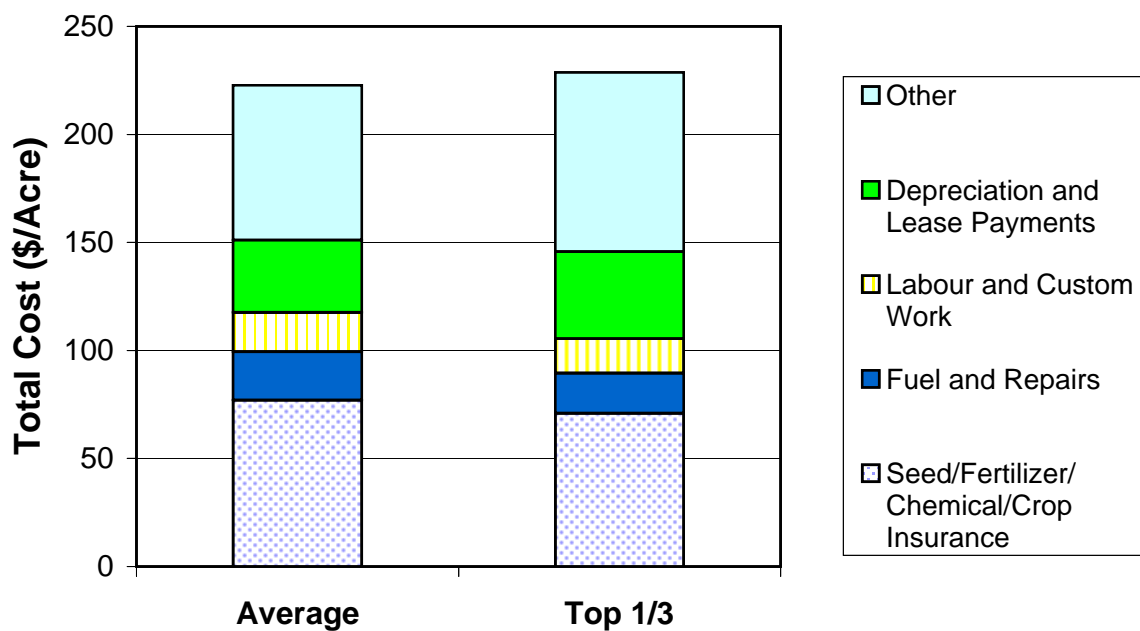
2003 Malt Barley on Black Soil

Total Cost (\$/Bushel)



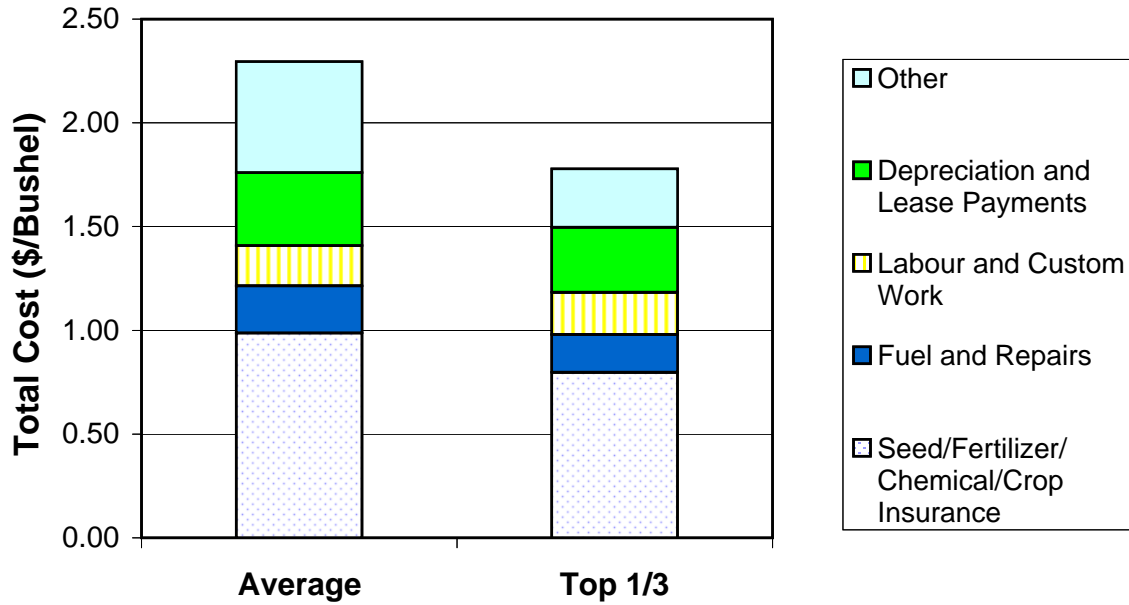
2003 Malt Barley on Black Soil

Total Cost (\$/Acre)



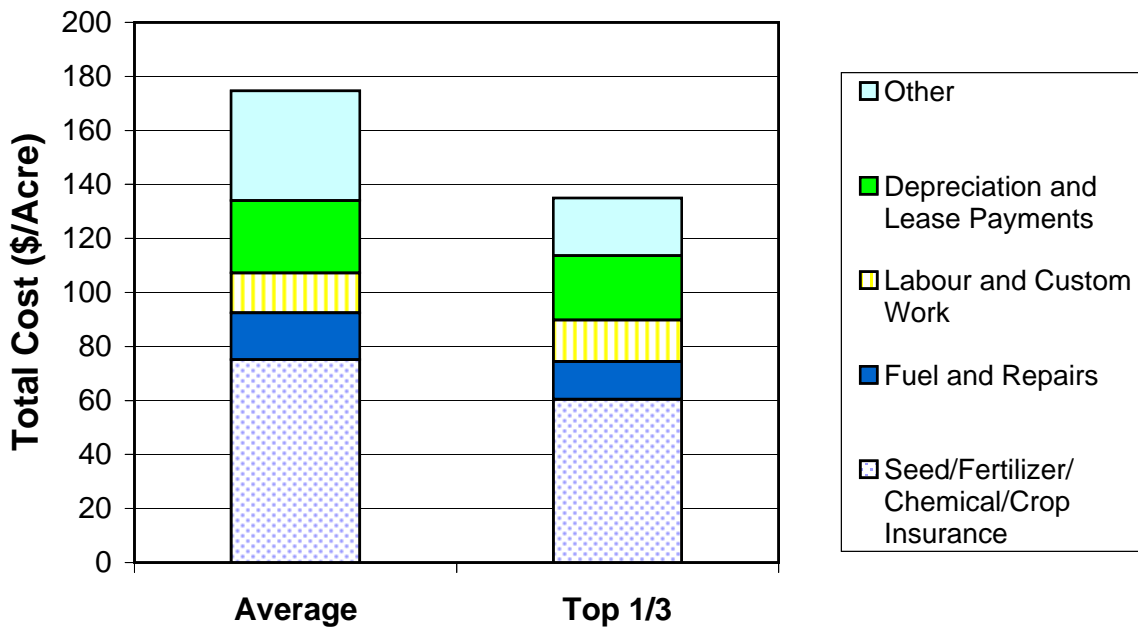
2003 Feed Barley on Black Soil

Total Cost (\$/Bushel)



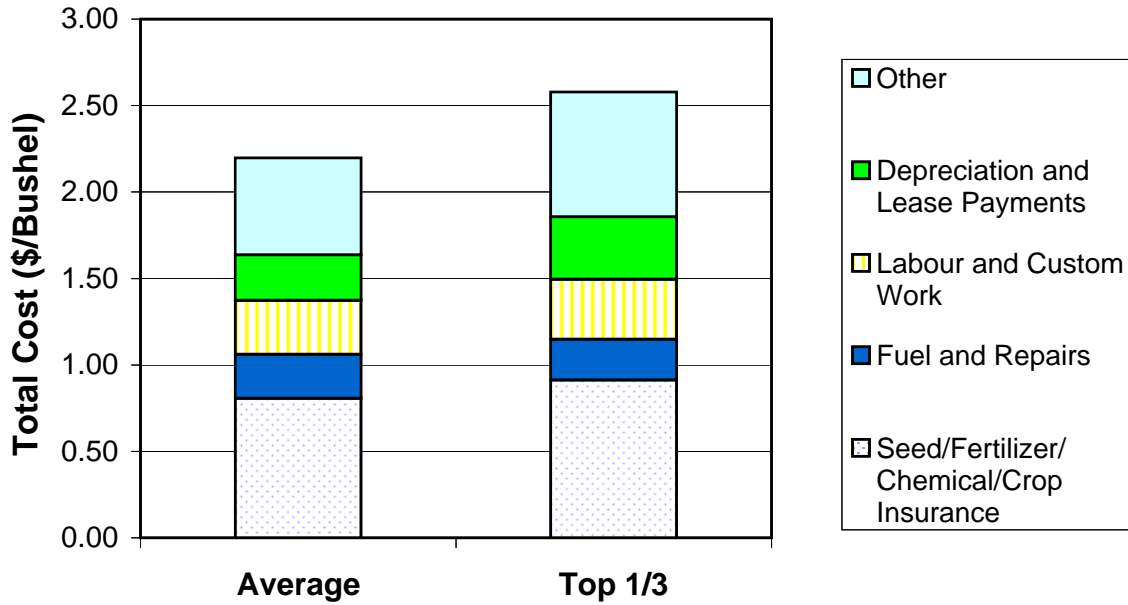
2003 Feed Barley on Black Soil

Total Cost (\$/Acre)



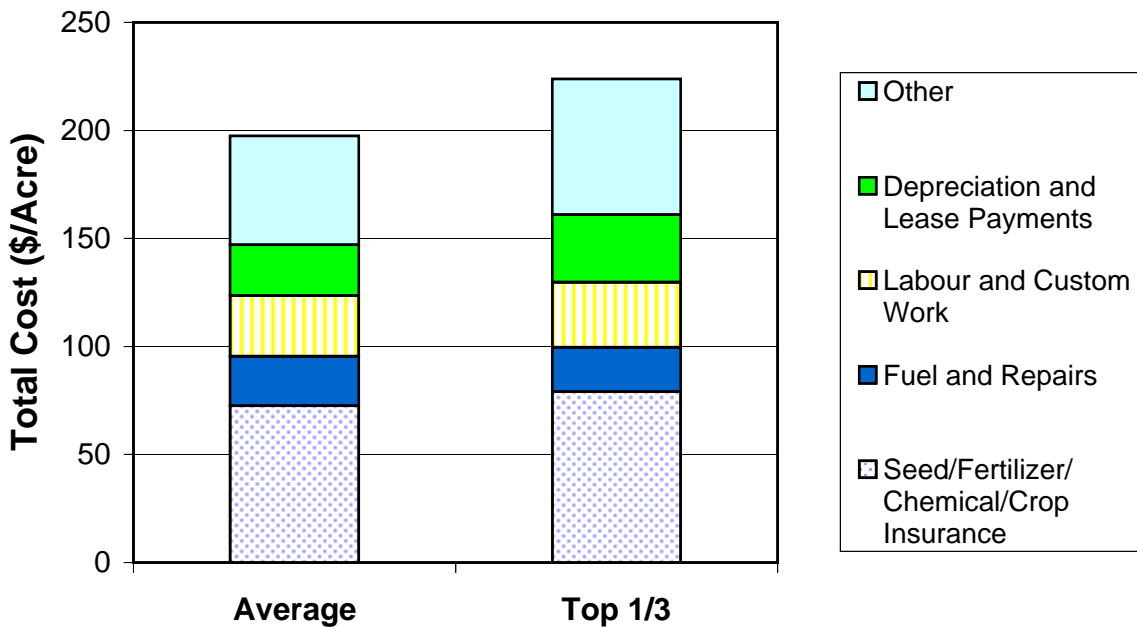
2003 Pedigreed Barley on Black Soil

Total Cost (\$/Bushel)



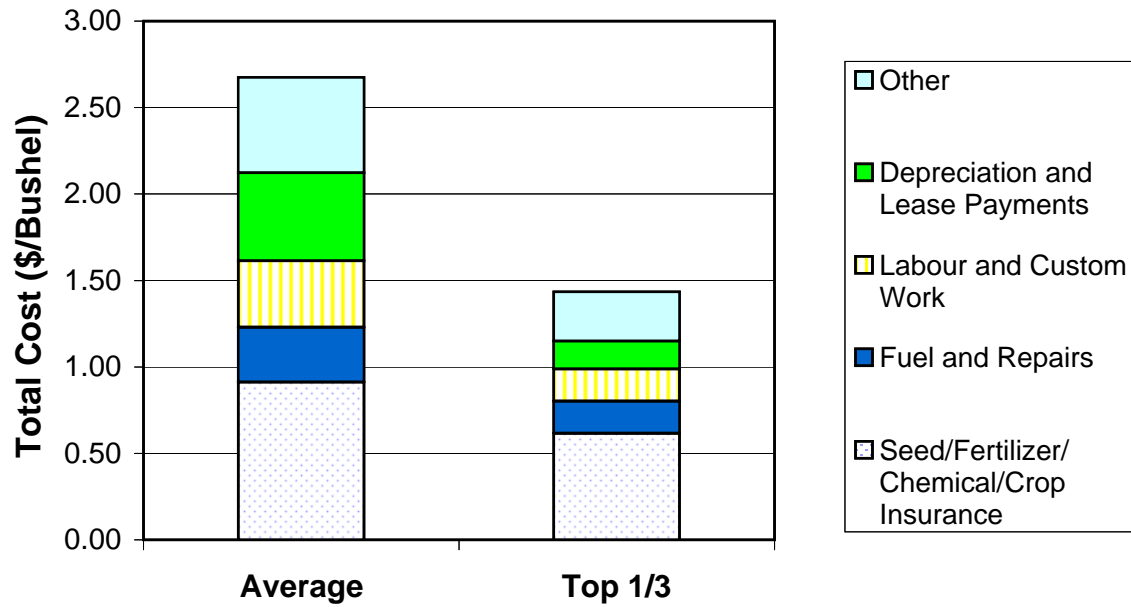
2003 Pedigreed Barley on Black Soil

Total Cost (\$/Acre)



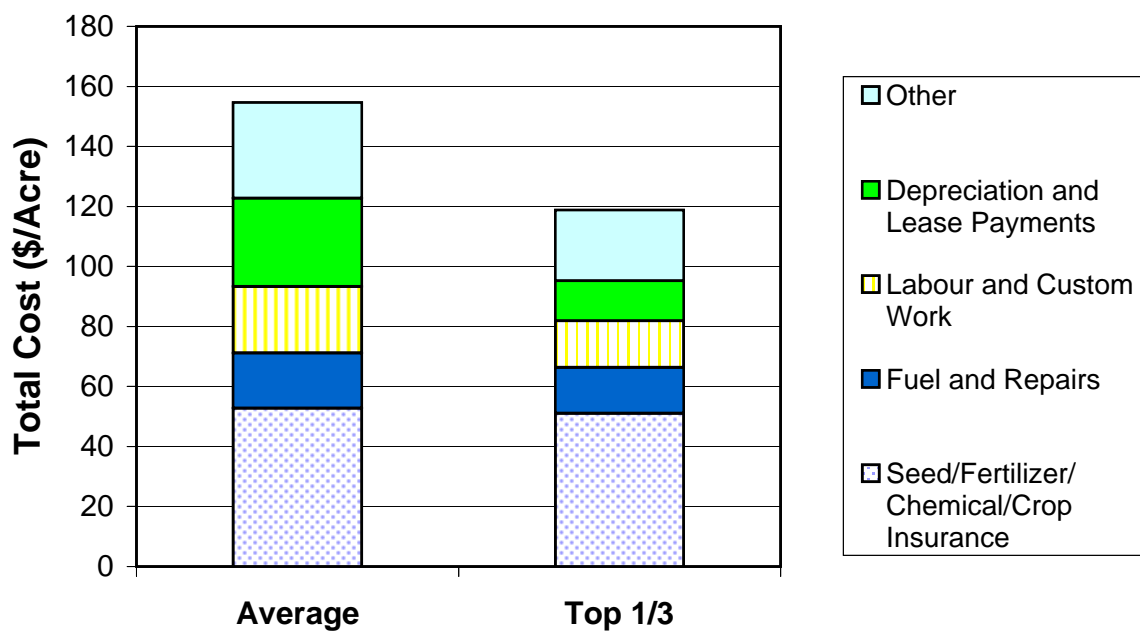
2003 Oats on Black Soil

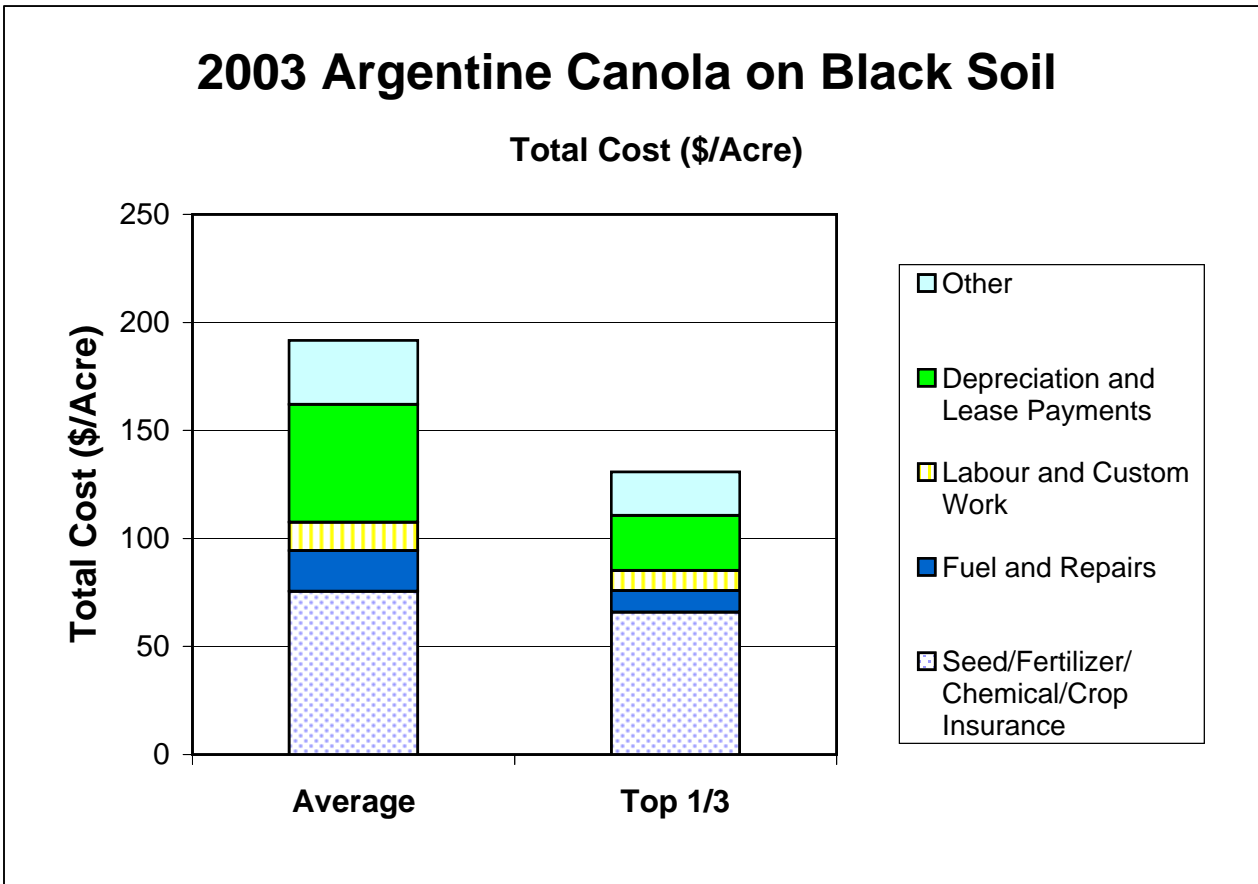
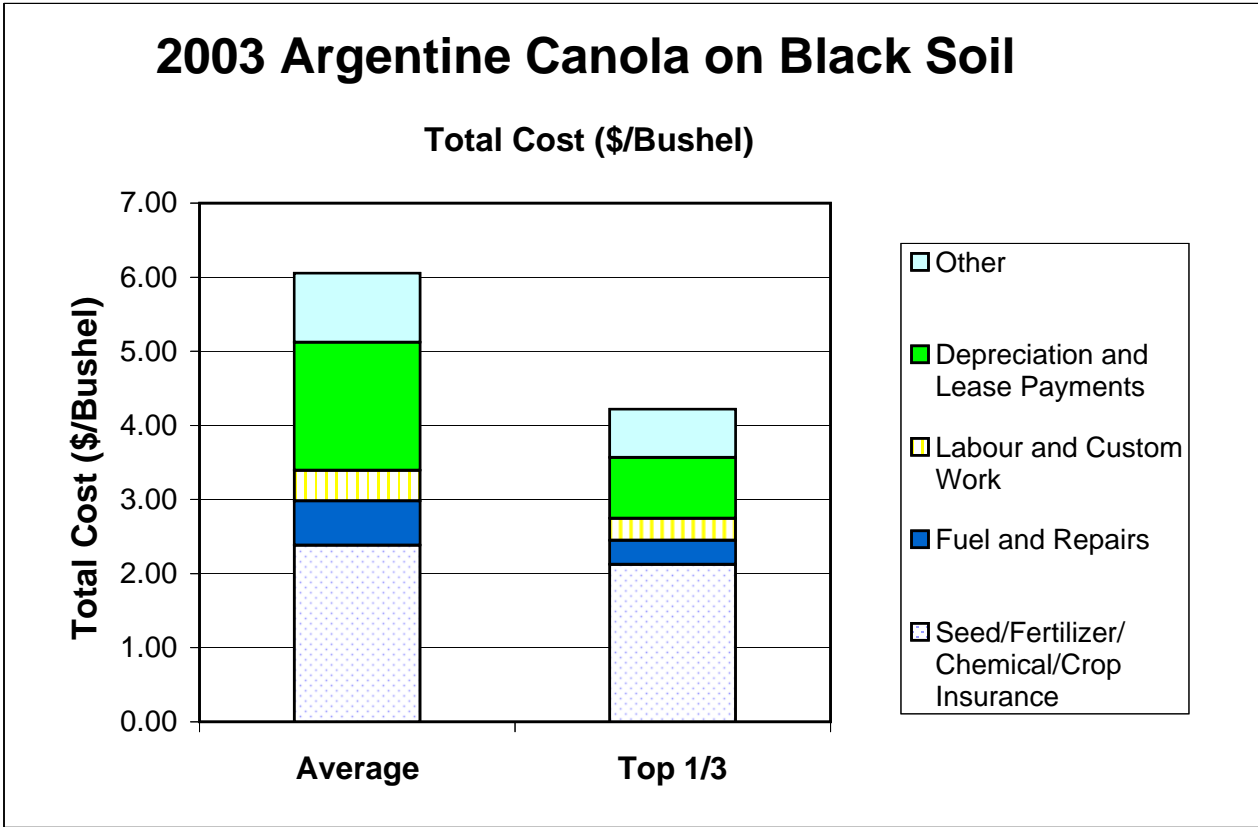
Total Cost (\$/Bushel)



2003 Oats on Black Soil

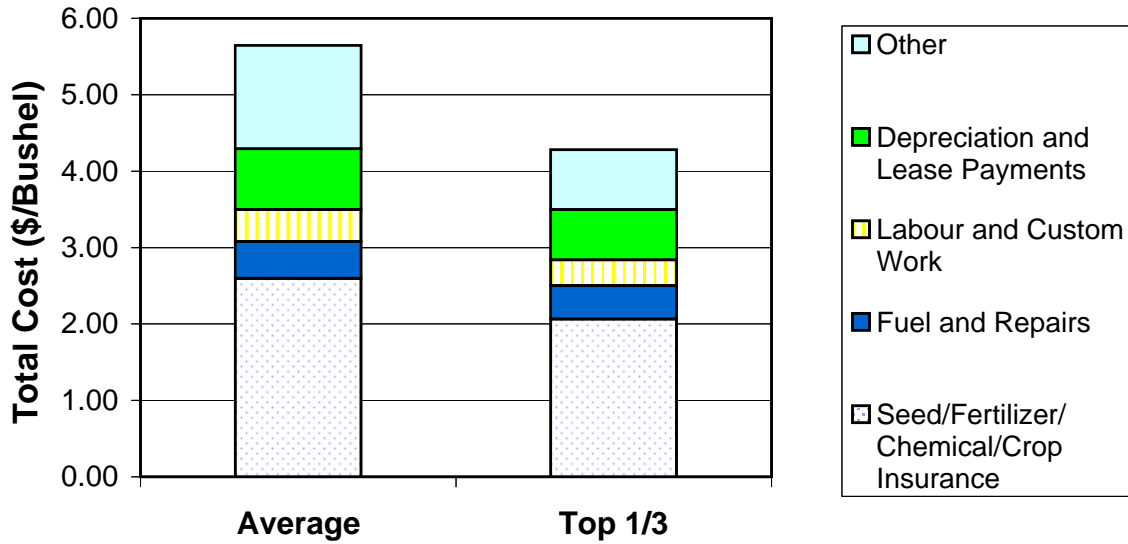
Total Cost (\$/Acre)





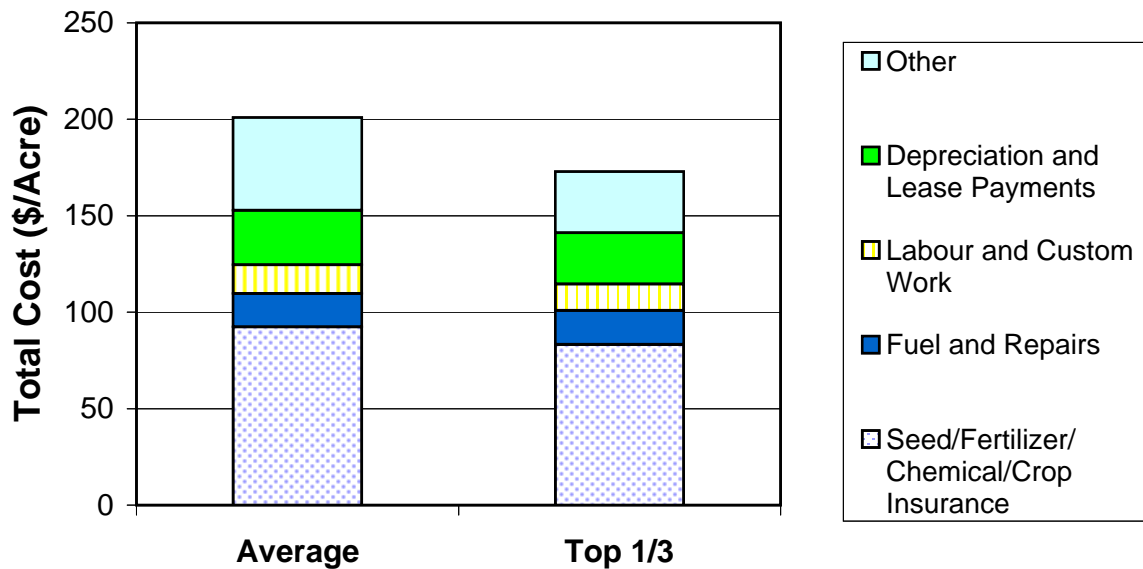
2003 Roundup Ready Canola on Black Soil

Total Cost (\$/Bushel)



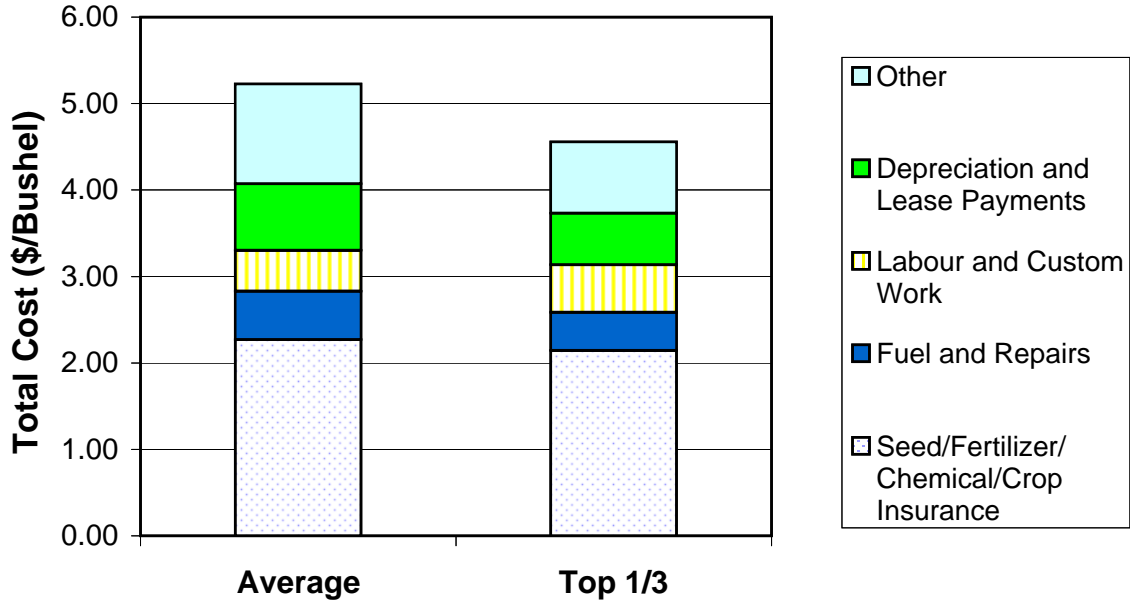
2003 Roundup Ready Canola on Black Soil

Total Cost (\$/Acre)



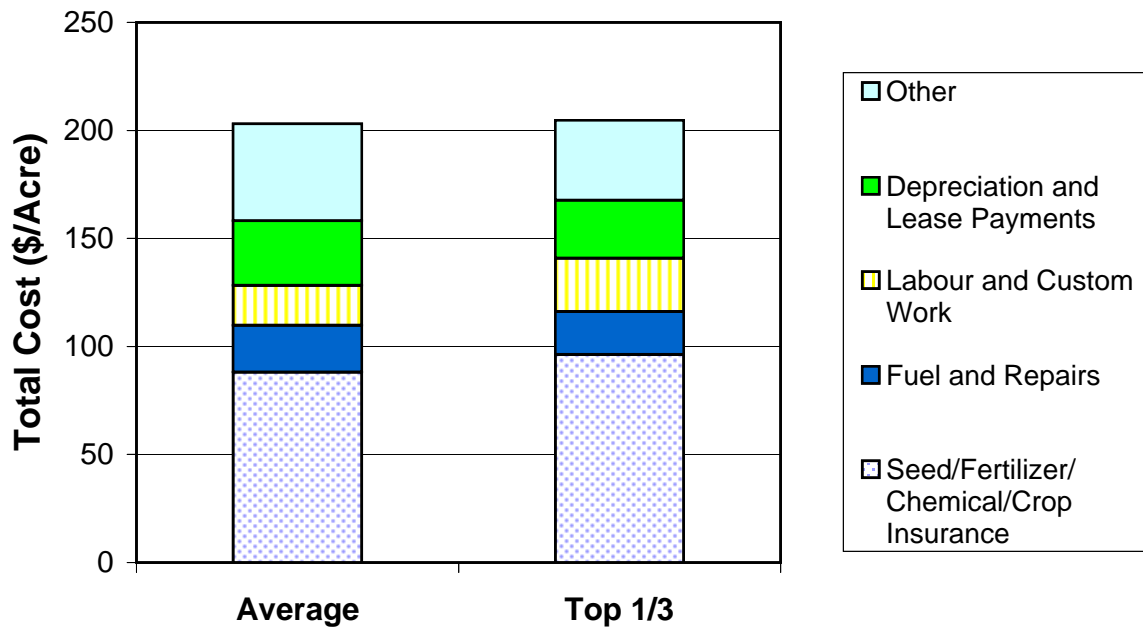
2003 Field Peas on Black Soil

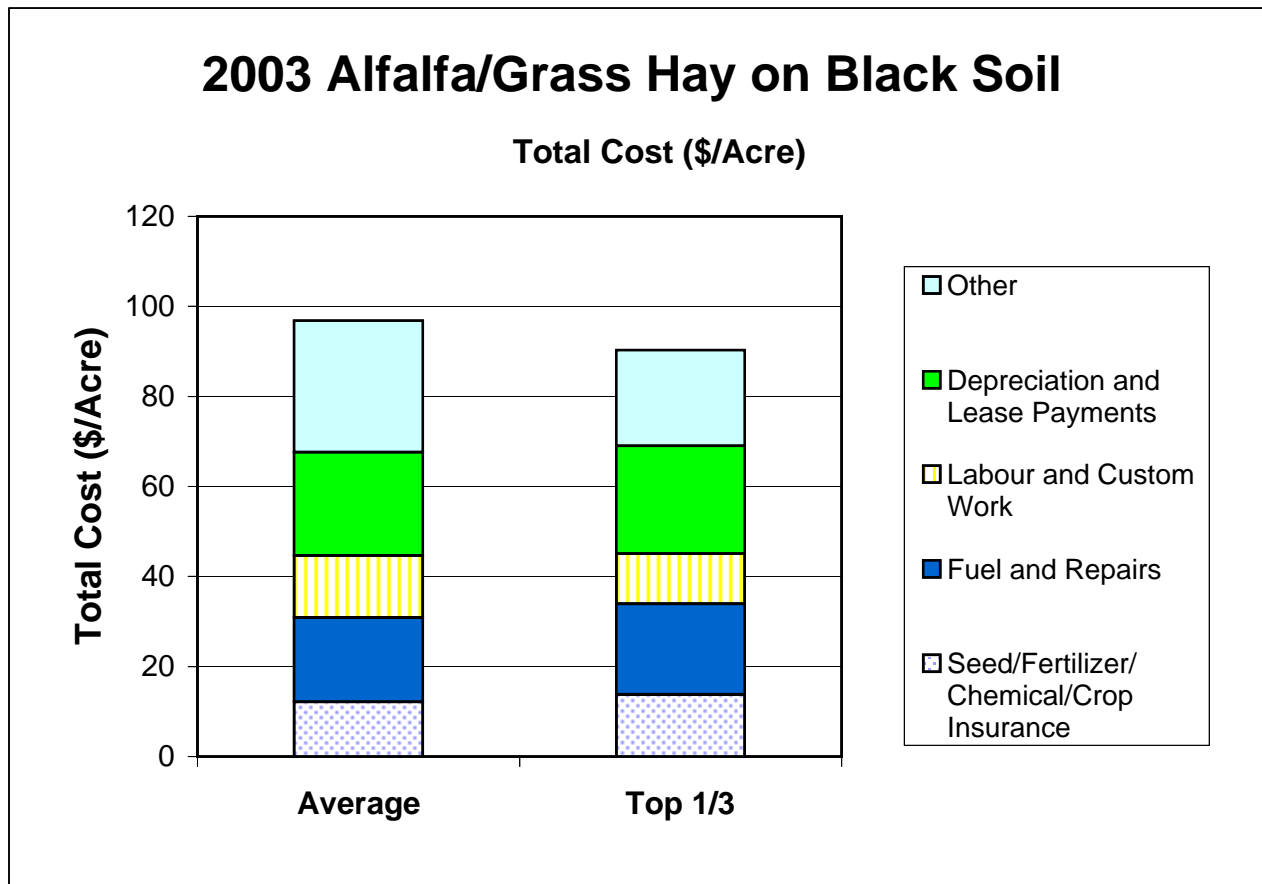
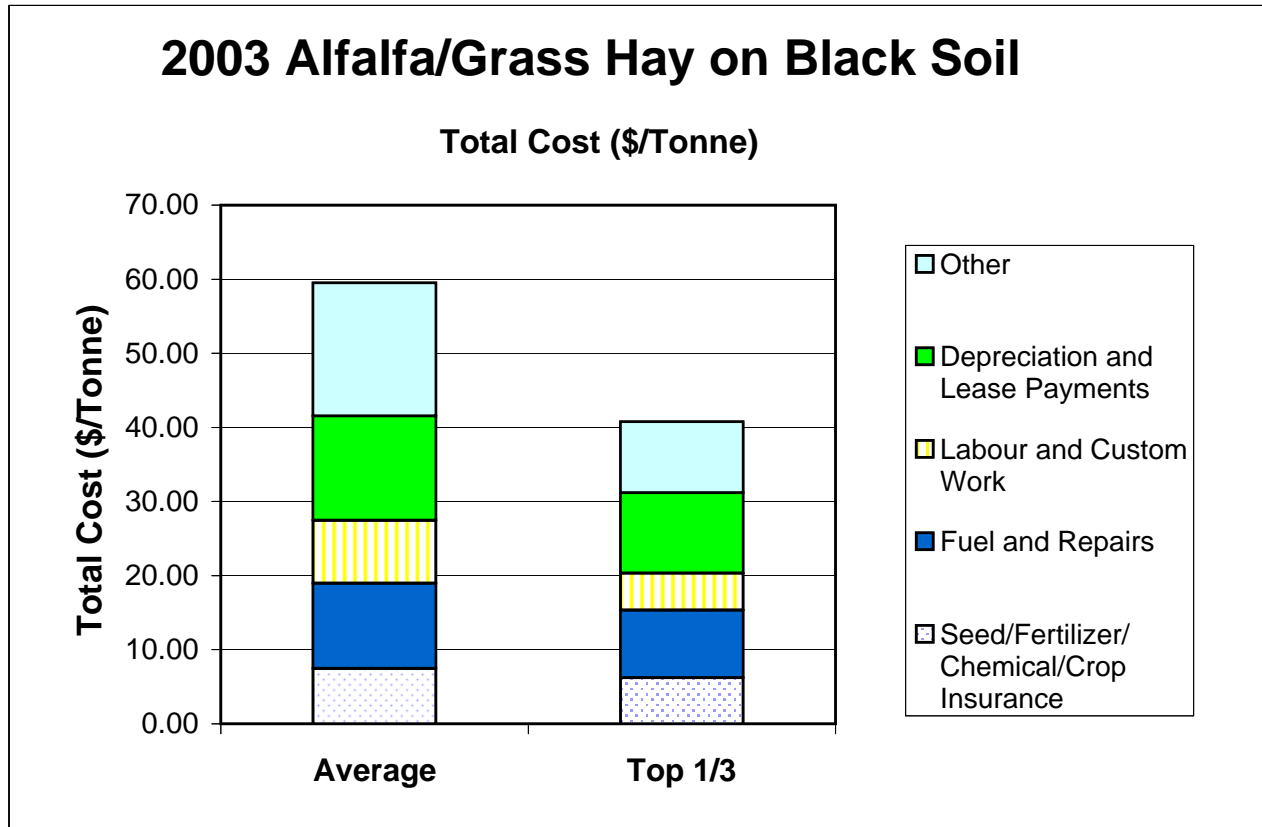
Total Cost (\$/Bushel)



2003 Field Peas on Black Soil

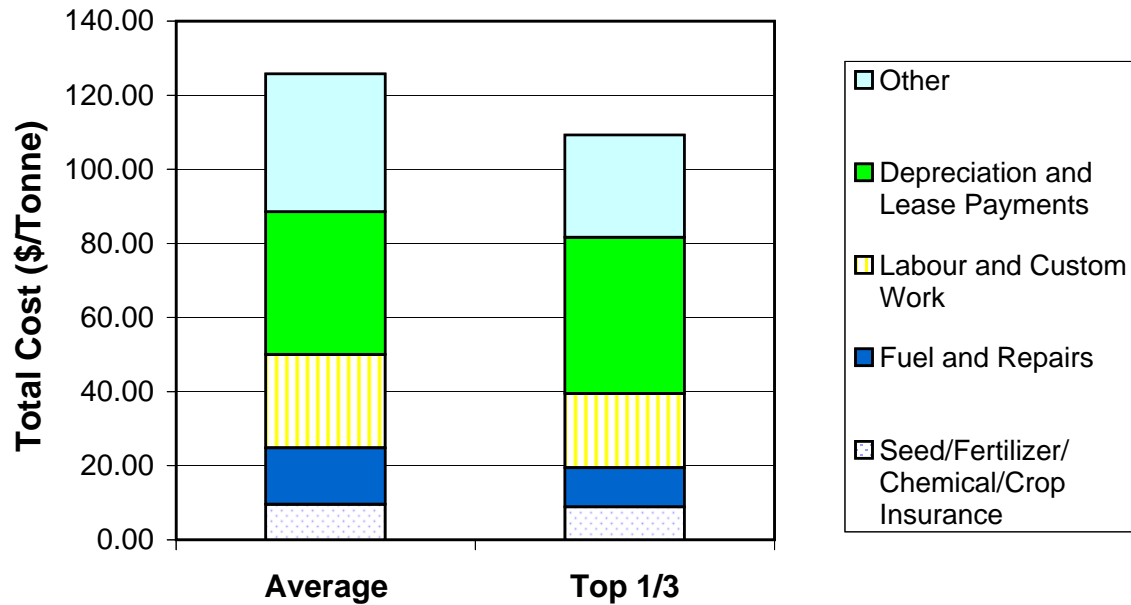
Total Cost (\$/Acre)





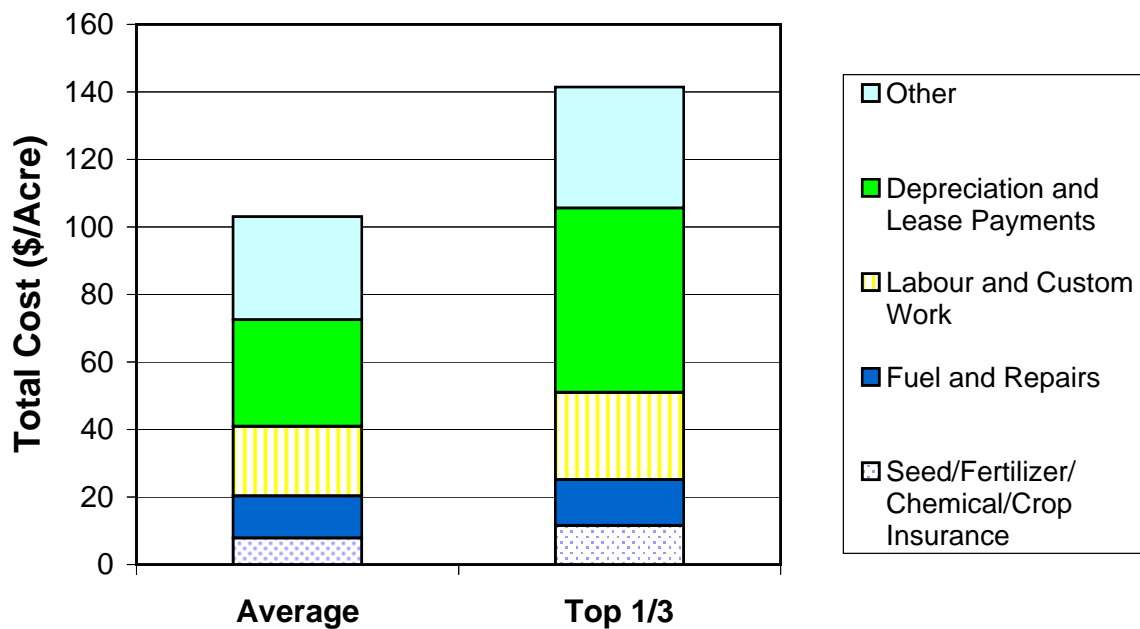
2003 Mixed Grass Hay on Black Soil

Total Cost (\$/Tonne)



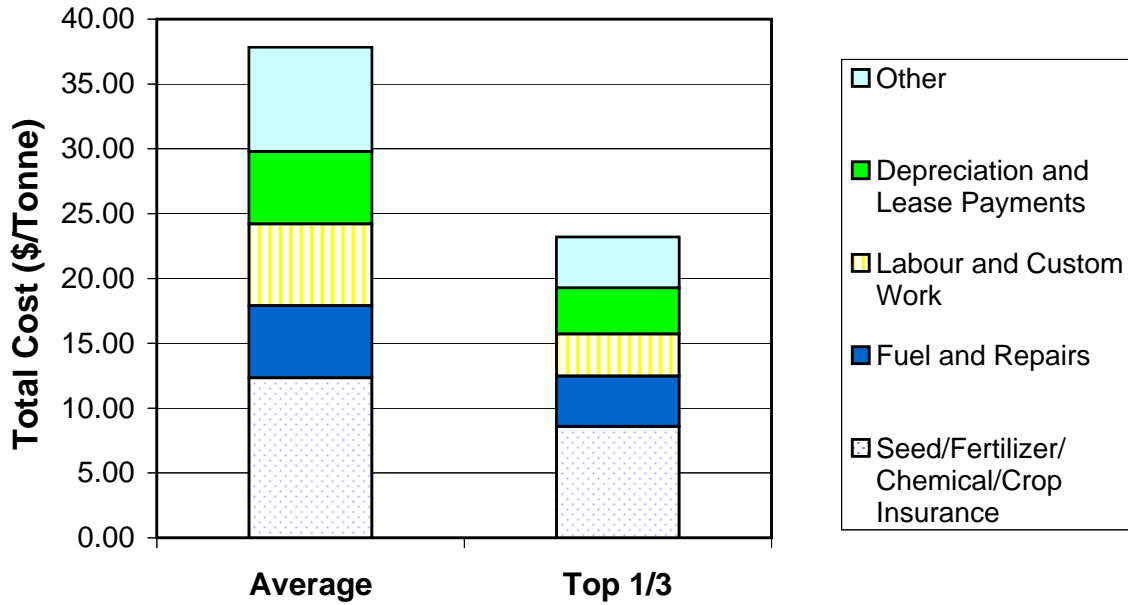
2003 Mixed Grass Hay on Black Soil

Total Cost (\$/Acre)



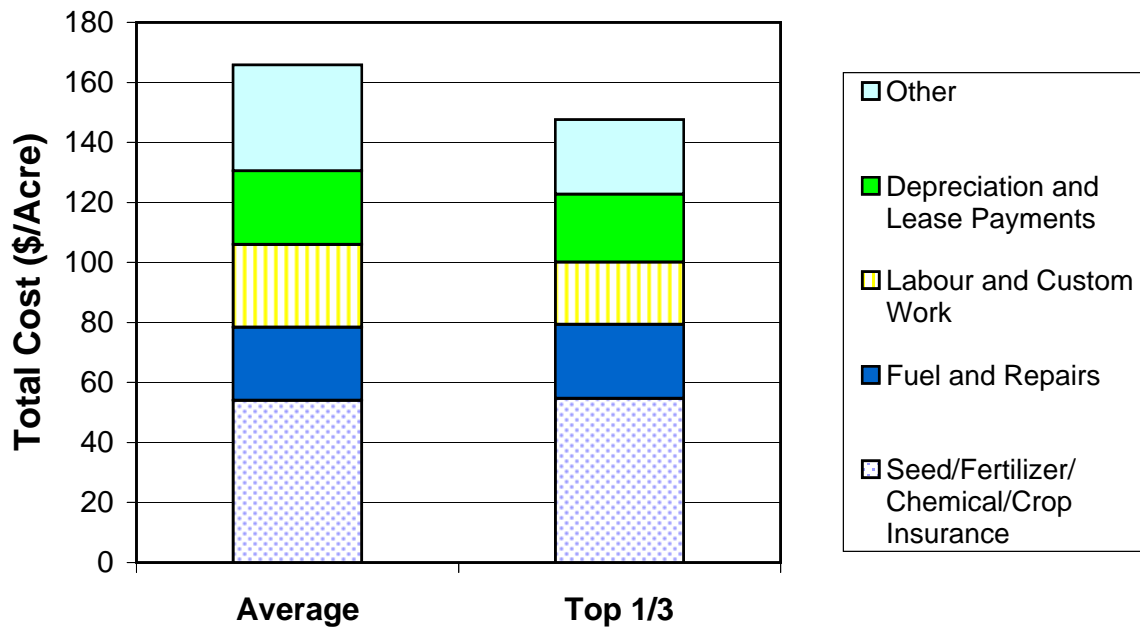
2003 Grain Silage on Black Soil

Total Cost (\$/Tonne)



2003 Grain Silage on Black Soil

Total Cost (\$/Acre)



2003 Crop Enterprise Analysis

AgriProfit\$

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

		-----\$/Acre-----		----\$/Bushel----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	197.91	210.37	4.10	4.23
	2. Crop Insurance Receipts	6.29	14.95	0.13	0.30
	3. Other Receipts	6.81	8.64	0.14	0.17
	Gross Receipts	211.00	233.96	4.37	4.71
(B)	Cost Items				
	1. Seed	14.36	13.34	0.30	0.27
	2. Fertilizer	28.20	25.66	0.58	0.52
	3. Chemical	22.03	22.05	0.46	0.44
	4. Hail/Crop Insurance Premium	7.99	7.66	0.17	0.15
	5. Trucking and Marketing	0.92	0.78	0.02	0.02
	6. Fuel	6.89	5.23	0.14	0.11
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	8.04	6.06	0.17	0.12
	9. Repairs - Buildings	1.51	1.12	0.03	0.02
	10. Utilities and Miscellaneous	9.46	6.70	0.20	0.13
	11. Custom Work	3.17	2.82	0.07	0.06
	12. Operating Interest Paid	1.55	0.52	0.03	0.01
	13. Paid Labour	2.84	0.37	0.06	0.01
	14. Unpaid Labour	9.42	11.36	0.19	0.23
	Variable Costs	116.39	103.68	2.41	2.09
(C)	1. Cash/ Share Land Rent	20.08	7.36	0.42	0.15
	2. Taxes, Water Rates, License & Ins.	3.66	4.28	0.08	0.09
	3. Equipment and Building: a) Depreciation	30.23	24.39	0.63	0.49
	b) Lease Payments	1.02	1.54	0.02	0.03
	4. Paid Capital Interest	6.36	5.85	0.13	0.87
	Capital Costs	61.36	43.43	1.27	1.63
(D)	Cash Costs (B+C-B14-C3a)	138.09	111.35	2.86	3.00
(E)	Total Production Costs (B+C)	177.74	147.11	3.68	3.72
	Gross Margin (A-D)	72.92	122.60	1.51	1.71
	Return to Unpaid Labour (A-E+B14)	42.68	98.21	0.88	1.22
	Return to Investment (A-E+C4)	39.62	92.70	0.82	1.87
	Return to Equity (A-E)	33.26	86.85	0.69	0.99

Investment

Buildings	71.24	58.95
Machinery	292.78	231.34
Irrigation Machinery	0.00	0.00
Total (incl. Land)	865.60	1132.11

Management

Average Yield	(Bushel/acre)	48.31	49.68
Expected Market Price	(\$/Bushel)	4.10	4.23

2003 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	200.09	237.62	4.17	4.23
	2. Crop Insurance Receipts	11.24	22.07	0.23	0.39
	3. Other Receipts	9.27	14.45	0.19	0.26
Gross Receipts		220.59	274.14	4.60	4.88
(B)	Cost Items				
	1. Seed	13.90	13.23	0.29	0.24
	2. Fertilizer	27.31	29.77	0.57	0.53
	3. Chemical	22.08	22.98	0.46	0.41
	4. Hail/Crop Insurance Premium	8.29	11.76	0.17	0.21
	5. Trucking and Marketing	1.35	0.85	0.03	0.02
	6. Fuel	7.88	5.92	0.16	0.11
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	8.59	7.08	0.18	0.13
	9. Repairs - Buildings	1.30	1.83	0.03	0.03
	10. Utilities and Miscellaneous	10.92	8.60	0.23	0.15
	11. Custom Work	3.14	3.15	0.07	0.06
	12. Operating Interest Paid	1.71	0.97	0.04	0.02
	13. Paid Labour	2.67	0.72	0.06	0.01
	14. Unpaid Labour	10.31	10.34	0.21	0.18
Variable Costs		119.44	117.19	2.49	2.09
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	5.81	5.17	0.12	0.09
	3. Equipment and Building: a) Depreciation	36.55	29.52	0.76	0.53
	b) Lease Payments	1.49	2.16	0.03	0.04
	4. Paid Capital Interest	10.02	9.83	0.21	0.83
Capital Costs		53.87	46.68	1.12	1.49
(D)	Cash Costs (B+C-B14-C3a)	126.46	124.01	2.64	2.87
(E)	Total Production Costs (B+C)	173.32	163.87	3.61	3.58
	Gross Margin (A-D)	94.14	150.13	1.96	2.02
	Return to Unpaid Labour (A-E+B14)	57.58	120.61	1.20	1.49
	Return to Investment (A-E+C4)	57.29	120.10	1.19	2.14
	Return to Equity (A-E)	47.28	110.27	0.99	1.31

Investment

Buildings	85.71	77.05
Machinery	352.98	277.02
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1416.35	1417.55

Management

Average Yield	(Bushel/acre)	47.95	56.14
Expected Market Price	(\$/Bushel)	4.17	4.23

2003 Crop Enterprise Analysis

AgriProfit\$

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

		-----\$/Acre-----		----\$/Bushel----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	195.61	207.34	4.02	4.28
	2. Crop Insurance Receipts	1.08	0.22	0.02	0.00
	3. Other Receipts	4.21	5.59	0.09	0.12
Gross Receipts		200.90	213.16	4.13	4.40
(B)	Cost Items				
	1. Seed	14.85	14.95	0.30	0.31
	2. Fertilizer	29.14	19.73	0.60	0.41
	3. Chemical	21.99	20.68	0.45	0.43
	4. Hail/Crop Insurance Premium	7.68	6.14	0.16	0.13
	5. Trucking and Marketing	0.47	0.24	0.01	0.00
	6. Fuel	5.84	4.31	0.12	0.09
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	7.45	5.04	0.15	0.10
	9. Repairs - Buildings	1.73	1.11	0.04	0.02
	10. Utilities and Miscellaneous	7.92	2.96	0.16	0.06
	11. Custom Work	3.20	2.36	0.07	0.05
	12. Operating Interest Paid	1.39	1.10	0.03	0.02
	13. Paid Labour	3.02	0.45	0.06	0.01
	14. Unpaid Labour	8.49	11.17	0.17	0.23
Variable Costs		113.17	90.25	2.32	1.86
(C)	1. Cash/ Share Land Rent	41.24	52.15	0.85	1.08
	2. Taxes, Water Rates, License & Ins.	1.39	0.20	0.03	0.00
	3. Equipment and Building: a) Depreciation	23.58	18.95	0.48	0.39
	b) Lease Payments	0.52	0.00	0.01	0.00
	4. Paid Capital Interest	2.51	1.66	0.05	1.51
Capital Costs		69.24	72.95	1.42	2.98
(D)	Cash Costs (B+C-B14-C3a)	150.34	133.08	3.09	4.22
(E)	Total Production Costs (B+C)	182.41	163.20	3.75	4.84
	Gross Margin (A-D)	50.56	80.07	1.04	0.18
	Return to Unpaid Labour (A-E+B14)	26.98	61.13	0.55	(0.21)
	Return to Investment (A-E+C4)	21.01	51.62	0.43	1.07
	Return to Equity (A-E)	18.50	49.96	0.38	(0.44)

Investment

Buildings	55.99	35.38
Machinery	229.36	190.67
Irrigation Machinery	0.00	0.00
Total (incl. Land)	285.35	226.05

Management

Average Yield	(Bushel/acre)	48.69	48.45
Expected Market Price	(\$/Bushel)	4.02	4.28

2003 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	230.49	239.99	3.72	3.72
	2. Crop Insurance Receipts	3.01	0.00	0.05	0.00
	3. Other Receipts	9.28	7.26	0.15	0.11
Gross Receipts		242.77	247.25	3.92	3.83
(B)	Cost Items				
	1. Seed	19.04	18.74	0.31	0.29
	2. Fertilizer	21.37	17.60	0.35	0.27
	3. Chemical	23.02	22.99	0.37	0.36
	4. Hail/Crop Insurance Premium	18.84	16.92	0.30	0.26
	5. Trucking and Marketing	0.43	0.12	0.01	0.00
	6. Fuel	5.98	4.97	0.10	0.08
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	8.03	5.94	0.13	0.09
	9. Repairs - Buildings	3.06	3.10	0.05	0.05
	10. Utilities and Miscellaneous	5.58	2.98	0.09	0.05
	11. Custom Work	16.34	10.75	0.26	0.17
	12. Operating Interest Paid	3.44	2.89	0.06	0.04
	13. Paid Labour	2.33	1.26	0.04	0.02
	14. Unpaid Labour	10.47	9.65	0.17	0.15
Variable Costs		137.94	117.91	2.23	1.83
(C)	Capital Costs				
	1. Cash/ Share Land Rent	26.16	15.78	0.42	0.24
	2. Taxes, Water Rates, License & Ins.	2.89	2.84	0.05	0.04
	3. Equipment and Building: a) Depreciation	26.66	22.42	0.43	0.35
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	10.68	11.93	0.17	0.82
Capital Costs		66.38	52.98	1.07	1.46
(D)	Cash Costs (B+C-B14-C3a)	167.19	138.81	2.70	2.79
(E)	Total Production Costs (B+C)	204.32	170.89	3.30	3.28
	Gross Margin (A-D)	75.58	108.44	1.22	1.04
	Return to Unpaid Labour (A-E+B14)	48.92	86.02	0.79	0.70
	Return to Investment (A-E+C4)	49.13	88.30	0.79	1.37
	Return to Equity (A-E)	38.45	76.36	0.62	0.55

Investment

Buildings	73.14	51.17
Machinery	256.21	221.21
Irrigation Machinery	0.00	0.00
Total (incl. Land)	733.29	846.30

Management

Average Yield	(Bushel/acre)	61.88	64.53
Expected Market Price	(\$/Bushel)	3.72	3.72

2003 Crop Enterprise Analysis

AgriProfit\$

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

		-----\$/Acre-----		-----\$/Bushel-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	198.50	--	3.66	--
	2. Crop Insurance Receipts	6.26	--	0.12	--
	3. Other Receipts	9.40	--	0.17	--
	Gross Receipts	214.16	0.00	3.95	0.00
(B)	Cost Items				
	1. Seed	16.16	--	0.30	--
	2. Fertilizer	19.52	--	0.36	--
	3. Chemical	21.83	--	0.40	--
	4. Hail/Crop Insurance Premium	15.98	--	0.29	--
	5. Trucking and Marketing	0.85	--	0.02	--
	6. Fuel	6.75	--	0.12	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	9.79	--	0.18	--
	9. Repairs - Buildings	1.99	--	0.04	--
	10. Utilities and Miscellaneous	8.28	--	0.15	--
	11. Custom Work	14.66	--	0.27	--
	12. Operating Interest Paid	3.07	--	0.06	--
	13. Paid Labour	3.06	--	0.06	--
	14. Unpaid Labour	12.26	--	0.23	--
	Variable Costs	134.20	0.00	2.48	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	5.59	--	0.10	--
	3. Equipment and Building: a) Depreciation	29.08	--	0.54	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	16.42	--	0.30	--	
	Capital Costs	51.10	0.00	0.94	0.00
(D)	Cash Costs	(B+C-B14-C3a)	143.96	--	2.66
(E)	Total Production Costs	(B+C)	185.30	--	3.42
	Gross Margin	(A-D)	70.20	--	1.30
	Return to Unpaid Labour	(A-E+B14)	41.11	--	0.76
	Return to Investment	(A-E+C4)	45.28	--	0.84
	Return to Equity	(A-E)	28.85	--	0.53

Investment

Buildings	88.46	--
Machinery	274.47	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1202.05	--

Management

Average Yield	(Bushel/acre)	54.20	--
Expected Market Price	(\$/Bushel)	3.66	--

2003 Crop Enterprise Analysis

AgriProfit\$

Crop: **CPS Wheat - Rent**
 Soil Zone: **Black - Dryland**
 Unit: **Bushel**

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	260.18	--	3.77	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	9.16	--	0.13	--
Gross Receipts		269.34	0.00	3.90	0.00
(B)	Cost Items				
	1. Seed	21.72	--	0.31	--
	2. Fertilizer	23.08	--	0.33	--
	3. Chemical	24.13	--	0.35	--
	4. Hail/Crop Insurance Premium	21.50	--	0.31	--
	5. Trucking and Marketing	0.05	--	0.00	--
	6. Fuel	5.27	--	0.08	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	6.39	--	0.09	--
	9. Repairs - Buildings	4.06	--	0.06	--
	10. Utilities and Miscellaneous	3.08	--	0.04	--
	11. Custom Work	17.89	--	0.26	--
	12. Operating Interest Paid	3.79	--	0.05	--
	13. Paid Labour	1.65	--	0.02	--
	14. Unpaid Labour	8.81	--	0.13	--
Variable Costs		141.41	0.00	2.05	0.00
(C)	1. Cash/ Share Land Rent	50.43	--	0.73	--
	2. Taxes, Water Rates, License & Ins.	0.38	--	0.01	--
	3. Equipment and Building: a) Depreciation	24.41	--	0.35	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	5.35	--	0.08	--
Capital Costs		80.56	0.00	1.17	0.00
(D)	Cash Costs	188.76	--	2.74	--
(E)	Total Production Costs	221.97	--	3.22	--
	Gross Margin	80.58	--	1.17	--
	Return to Unpaid Labour	56.17	--	0.81	--
	Return to Investment	52.71	--	0.76	--
	Return to Equity	47.36	--	0.69	--

Investment

Buildings	58.92	--
Machinery	239.27	--
Irrigation Machinery	0.00	--
Total (incl. Land)	298.19	--

Management

Average Yield	(Bushel/acre)	69.01	--
Expected Market Price	(\$/Bushel)	3.77	--

2003 Crop Enterprise Analysis

AgriProfit\$

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

		-----\$/Acre-----		----\$/Bushel----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	215.42	276.67	2.97	3.54
	2. Crop Insurance Receipts	9.77	8.54	0.13	0.11
	3. Other Receipts	13.16	5.75	0.18	0.07
	Gross Receipts	238.35	290.96	3.29	3.72
(B)	Cost Items				
	1. Seed	13.94	14.40	0.19	0.18
	2. Fertilizer	31.82	30.35	0.44	0.39
	3. Chemical	21.94	17.66	0.30	0.23
	4. Hail/Crop Insurance Premium	9.36	8.53	0.13	0.11
	5. Trucking and Marketing	5.54	7.26	0.08	0.09
	6. Fuel	8.99	9.06	0.12	0.12
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	13.12	9.27	0.18	0.12
	9. Repairs - Buildings	0.21	0.18	0.00	0.00
	10. Utilities and Miscellaneous	15.58	19.68	0.21	0.25
	11. Custom Work	3.21	1.48	0.04	0.02
	12. Operating Interest Paid	1.28	0.63	0.02	0.01
	13. Paid Labour	2.39	3.24	0.03	0.04
	14. Unpaid Labour	12.57	11.31	0.17	0.14
	Variable Costs	139.93	133.07	1.93	1.70
(C)	1. Cash/ Share Land Rent	24.32	39.50	0.34	0.50
	2. Taxes, Water Rates, License & Ins.	4.08	3.42	0.06	0.04
	3. Equipment and Building: a) Depreciation	31.73	39.62	0.44	0.51
	b) Lease Payments	1.73	0.68	0.02	0.01
	4. Paid Capital Interest	21.02	12.45	0.29	1.22
	Capital Costs	82.89	95.68	1.14	2.29
(D)	Cash Costs (B+C-B14-C3a)	178.52	177.81	2.46	3.34
(E)	Total Production Costs (B+C)	222.82	228.74	3.07	3.99
	Gross Margin (A-D)	59.84	113.14	0.83	0.38
	Return to Unpaid Labour (A-E+B14)	28.10	73.53	0.39	(0.12)
	Return to Investment (A-E+C4)	36.56	74.67	0.50	0.95
	Return to Equity (A-E)	15.54	62.22	0.21	(0.27)

Investment

Buildings	94.92	135.14
Machinery	308.66	379.00
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1009.43	841.91

Management

Average Yield	(Bushel/acre)	72.47	78.26
Expected Market Price	(\$/Bushel)	2.97	3.54

2003 Crop Enterprise Analysis

AgriProfit\$

Crop: *Malt Barley - Own*
 Soil Zone: *Black - Dryland*
 Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	220.25	220.80	3.04	3.03
	2. Crop Insurance Receipts	10.81	7.98	0.15	0.11
	3. Other Receipts	12.10	14.66	0.17	0.20
Gross Receipts		243.16	243.44	3.35	3.34
(B)	Cost Items				
	1. Seed	14.80	11.24	0.20	0.15
	2. Fertilizer	32.20	29.70	0.44	0.41
	3. Chemical	21.38	17.26	0.29	0.24
	4. Hail/Crop Insurance Premium	10.21	8.12	0.14	0.11
	5. Trucking and Marketing	7.08	3.10	0.10	0.04
	6. Fuel	10.26	11.11	0.14	0.15
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	9.14	9.35	0.13	0.13
	9. Repairs - Buildings	0.12	0.09	0.00	0.00
	10. Utilities and Miscellaneous	20.74	14.62	0.29	0.20
	11. Custom Work	5.33	5.71	0.07	0.08
	12. Operating Interest Paid	1.86	2.46	0.03	0.03
	13. Paid Labour	3.47	3.76	0.05	0.05
	14. Unpaid Labour	12.92	12.67	0.18	0.17
Variable Costs		149.51	129.18	2.06	1.77
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	6.85	5.25	0.09	0.07
	3. Equipment and Building: a) Depreciation	34.65	37.15	0.48	0.51
	b) Lease Payments	0.63	0.00	0.01	0.00
	4. Paid Capital Interest	40.03	16.25	0.55	0.80
Capital Costs		82.16	58.64	1.13	1.39
(D)	Cash Costs (B+C-B14-C3a)	184.10	138.01	2.54	2.47
(E)	Total Production Costs (B+C)	231.67	187.82	3.19	3.16
	Gross Margin (A-D)	59.06	105.43	0.81	0.86
	Return to Unpaid Labour (A-E+B14)	24.42	68.29	0.34	0.35
	Return to Investment (A-E+C4)	51.52	71.87	0.71	0.99
	Return to Equity (A-E)	11.50	55.62	0.16	0.18

Investment

Buildings	114.50	123.46
Machinery	333.83	354.82
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1883.44	1427.10

Management

Average Yield	(Bushel/acre)	72.55	72.94
Expected Market Price	(\$/Bushel)	3.04	3.03

2003 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	211.90	--	2.93	--
	2. Crop Insurance Receipts	9.01	--	0.12	--
	3. Other Receipts	13.94	--	0.19	--
Gross Receipts		234.84	0.00	3.24	0.00
(B)	Cost Items				
	1. Seed	13.32	--	0.18	--
	2. Fertilizer	31.54	--	0.44	--
	3. Chemical	22.35	--	0.31	--
	4. Hail/Crop Insurance Premium	8.73	--	0.12	--
	5. Trucking and Marketing	4.41	--	0.06	--
	6. Fuel	8.06	--	0.11	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	16.03	--	0.22	--
	9. Repairs - Buildings	0.27	--	0.00	--
	10. Utilities and Miscellaneous	11.80	--	0.16	--
	11. Custom Work	1.66	--	0.02	--
	12. Operating Interest Paid	0.86	--	0.01	--
	13. Paid Labour	1.59	--	0.02	--
	14. Unpaid Labour	12.31	--	0.17	--
Variable Costs		132.94	0.00	1.84	0.00
(C)	1. Cash/ Share Land Rent	42.09	--	0.58	--
	2. Taxes, Water Rates, License & Ins.	2.06	--	0.03	--
	3. Equipment and Building: a) Depreciation	29.61	--	0.41	--
	b) Lease Payments	2.53	--	0.03	--
	4. Paid Capital Interest	7.14	--	0.10	--
Capital Costs		83.42	0.00	1.15	0.00
(D)	Cash Costs (B+C-B14-C3a)	174.43	--	2.41	--
(E)	Total Production Costs (B+C)	216.36	--	2.99	--
	Gross Margin (A-D)	60.41	--	0.83	--
	Return to Unpaid Labour (A-E+B14)	30.80	--	0.43	--
	Return to Investment (A-E+C4)	25.62	--	0.35	--
	Return to Equity (A-E)	18.49	--	0.26	--

Investment

Buildings	80.61	--
Machinery	290.28	--
Irrigation Machinery	0.00	--
Total (incl. Land)	370.89	--

Management

Average Yield	(Bushel/acre)	72.40	--
Expected Market Price	(\$/Bushel)	2.93	--

2003 Crop Enterprise Analysis

AgriProfit\$

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

		-----\$/Acre-----		----\$/Bushel----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	183.02	183.89	2.40	2.42
	2. Crop Insurance Receipts	4.12	11.59	0.05	0.15
	3. Other Receipts	11.62	22.56	0.15	0.30
Gross Receipts		198.76	218.05	2.61	2.87
(B)	Cost Items				
	1. Seed	12.00	9.81	0.16	0.13
	2. Fertilizer	33.39	22.49	0.44	0.30
	3. Chemical	22.23	20.97	0.29	0.28
	4. Hail/Crop Insurance Premium	7.50	7.21	0.10	0.09
	5. Trucking and Marketing	0.65	0.22	0.01	0.00
	6. Fuel	6.94	5.78	0.09	0.08
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	8.88	6.55	0.12	0.09
	9. Repairs - Buildings	1.45	1.56	0.02	0.02
	10. Utilities and Miscellaneous	10.28	5.94	0.14	0.08
	11. Custom Work	2.48	4.73	0.03	0.06
	12. Operating Interest Paid	1.24	0.64	0.02	0.01
	13. Paid Labour	3.55	0.60	0.05	0.01
	14. Unpaid Labour	8.82	10.12	0.12	0.13
Variable Costs		119.40	96.63	1.57	1.27
(C)	Capital Costs				
	1. Cash/ Share Land Rent	17.06	5.04	0.22	0.07
	2. Taxes, Water Rates, License & Ins.	4.30	3.71	0.06	0.05
	3. Equipment and Building: a) Depreciation	25.96	22.76	0.34	0.30
	b) Lease Payments	0.78	0.99	0.01	0.01
	4. Paid Capital Interest	7.15	5.85	0.09	0.51
Capital Costs		55.25	38.34	0.73	0.93
(D)	Cash Costs (B+C-B14-C3a)	139.87	102.09	1.84	1.77
(E)	Total Production Costs (B+C)	174.65	134.96	2.29	2.21
	Gross Margin (A-D)	58.89	115.96	0.77	1.10
	Return to Unpaid Labour (A-E+B14)	32.93	93.20	0.43	0.80
	Return to Investment (A-E+C4)	31.26	88.93	0.41	1.17
	Return to Equity (A-E)	24.11	83.08	0.32	0.67

Investment

Buildings	72.37	51.67
Machinery	244.00	228.56
Irrigation Machinery	0.00	0.00
Total (incl. Land)	814.54	1082.74

Management

Average Yield	(Bushel/acre)	76.13	75.91
Expected Market Price	(\$/Bushel)	2.40	2.42

2003 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	192.01	203.61	2.42	2.53
	2. Crop Insurance Receipts	8.05	19.73	0.10	0.25
	3. Other Receipts	14.45	43.56	0.18	0.54
Gross Receipts		214.51	266.90	2.71	3.32
(B)	Cost Items				
	1. Seed	12.32	10.85	0.16	0.13
	2. Fertilizer	33.38	27.88	0.42	0.35
	3. Chemical	21.51	22.61	0.27	0.28
	4. Hail/Crop Insurance Premium	7.14	11.24	0.09	0.14
	5. Trucking and Marketing	0.53	0.14	0.01	0.00
	6. Fuel	7.12	6.98	0.09	0.09
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	8.98	8.51	0.11	0.11
	9. Repairs - Buildings	1.88	3.13	0.02	0.04
	10. Utilities and Miscellaneous	11.81	8.81	0.15	0.11
	11. Custom Work	3.21	8.05	0.04	0.10
	12. Operating Interest Paid	0.94	1.28	0.01	0.02
	13. Paid Labour	4.46	1.06	0.06	0.01
	14. Unpaid Labour	7.50	8.19	0.09	0.10
Variable Costs		120.78	118.73	1.52	1.48
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	6.48	4.11	0.08	0.05
	3. Equipment and Building: a) Depreciation	27.43	27.98	0.35	0.35
	b) Lease Payments	0.91	1.99	0.01	0.02
	4. Paid Capital Interest	11.40	10.43	0.14	0.55
Capital Costs		46.23	44.52	0.58	0.98
(D)	Cash Costs	(B+C-B14-C3a)	132.08	127.07	1.67
(E)	Total Production Costs	(B+C)	167.01	163.24	2.11
	Gross Margin	(A-D)	82.44	139.82	1.04
	Return to Unpaid Labour	(A-E+B14)	55.00	111.84	0.69
	Return to Investment	(A-E+C4)	58.91	114.08	0.74
	Return to Equity	(A-E)	47.51	103.65	0.60

Investment

Buildings	73.41	67.69
Machinery	260.17	282.54
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1328.08	1268.66

Management

Average Yield	(Bushel/acre)	79.22	80.48
Expected Market Price	(\$/Bushel)	2.42	2.53

2003 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	174.00	179.96	2.38	2.23
	2. Crop Insurance Receipts	0.17	0.45	0.00	0.01
	3. Other Receipts	8.77	8.11	0.12	0.10
Gross Receipts		182.95	188.52	2.51	2.34
(B)	Cost Items				
	1. Seed	11.67	11.03	0.16	0.14
	2. Fertilizer	33.41	25.55	0.46	0.32
	3. Chemical	22.95	19.66	0.31	0.24
	4. Hail/Crop Insurance Premium	7.87	2.90	0.11	0.04
	5. Trucking and Marketing	0.78	0.41	0.01	0.01
	6. Fuel	6.75	5.44	0.09	0.07
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	8.79	6.61	0.12	0.08
	9. Repairs - Buildings	1.02	0.89	0.01	0.01
	10. Utilities and Miscellaneous	8.74	9.64	0.12	0.12
	11. Custom Work	1.75	1.42	0.02	0.02
	12. Operating Interest Paid	1.54	0.44	0.02	0.01
	13. Paid Labour	2.63	4.35	0.04	0.05
	14. Unpaid Labour	10.14	8.44	0.14	0.10
Variable Costs		118.03	96.79	1.62	1.20
(C)	1. Cash/ Share Land Rent	34.18	37.05	0.47	0.46
	2. Taxes, Water Rates, License & Ins.	2.10	1.20	0.03	0.01
	3. Equipment and Building: a) Depreciation	24.49	22.80	0.34	0.28
	b) Lease Payments	0.65	0.00	0.01	0.00
	4. Paid Capital Interest	2.88	2.12	0.04	0.78
Capital Costs		64.30	63.16	0.88	1.54
(D)	Cash Costs (B+C-B14-C3a)	147.70	128.71	2.02	2.35
(E)	Total Production Costs (B+C)	182.32	159.95	2.50	2.74
	Gross Margin (A-D)	35.25	59.81	0.48	(0.02)
	Return to Unpaid Labour (A-E+B14)	10.77	37.01	0.15	(0.30)
	Return to Investment (A-E+C4)	3.50	30.68	0.05	0.38
	Return to Equity (A-E)	0.63	28.56	0.01	(0.40)

Investment

Buildings	71.33	44.85
Machinery	227.78	224.27
Irrigation Machinery	0.00	0.00
Total (incl. Land)	299.11	269.13

Management

Average Yield	(Bushel/acre)	73.03	80.64
Expected Market Price	(\$/Bushel)	2.38	2.23

2003 Crop Enterprise Analysis

AgriProfit\$

Crop: *Hulless Barley - All*
 Soil Zone: *Black - Dryland*
 Unit: *Bushel*

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	128.25	--	2.50	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	6.36	--	0.12	--
	Gross Receipts	134.61	0.00	2.62	0.00
(B)	Cost Items				
	1. Seed	16.00	--	0.31	--
	2. Fertilizer	26.88	--	0.52	--
	3. Chemical	25.98	--	0.51	--
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--
	5. Trucking and Marketing	0.32	--	0.01	--
	6. Fuel	7.94	--	0.15	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	10.94	--	0.21	--
	9. Repairs - Buildings	0.00	--	0.00	--
	10. Utilities and Miscellaneous	7.16	--	0.14	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	2.44	--	0.05	--
	13. Paid Labour	2.42	--	0.05	--
	14. Unpaid Labour	8.36	--	0.16	--
	Variable Costs	108.43	0.00	2.11	0.00
(C)	1. Cash/ Share Land Rent	39.52	--	0.77	--
	2. Taxes, Water Rates, License & Ins.	1.79	--	0.03	--
	3. Equipment and Building:				
	a) Depreciation	32.50	--	0.63	--
b) Lease Payments	21.10	--	0.41	--	
4. Paid Capital Interest	0.52	--	0.01	--	
	Capital Costs	95.43	0.00	1.86	0.00
(D)	Cash Costs	(B+C-B14-C3a)	163.00	--	3.18
(E)	Total Production Costs	(B+C)	203.85	--	3.97
	Gross Margin	(A-D)	(28.39)	--	(0.55)
	Return to Unpaid Labour	(A-E+B14)	(60.89)	--	(1.19)
	Return to Investment	(A-E+C4)	(68.73)	--	(1.34)
	Return to Equity	(A-E)	(69.24)	--	(1.35)

Investment

Buildings	65.66	--
Machinery	318.47	--
Irrigation Machinery	0.00	--
Total (incl. Land)	423.60	--

Management

Average Yield	(Bushel/acre)	51.30	--
Expected Market Price	(\$/Bushel)	2.50	--

2003 Crop Enterprise Analysis

AgriProfit\$

Crop: *Pedigreed Barley - All*
Soil Zone: *Black - Dryland*
Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	373.26	578.16	4.15	6.66	
	2. Crop Insurance Receipts	2.78	13.23	0.03	0.15	
	3. Other Receipts	3.49	13.91	0.04	0.16	
	Gross Receipts	379.54	605.29	4.22	6.98	
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(B)	Cost Items					
	1. Seed	20.17	15.32	0.22	0.18	
	2. Fertilizer	34.27	31.91	0.38	0.37	
	3. Chemical	14.87	21.96	0.17	0.25	
	4. Hail/Crop Insurance Premium	3.32	9.96	0.04	0.11	
	5. Trucking and Marketing	2.84	4.57	0.03	0.05	
	6. Fuel	11.62	11.12	0.13	0.13	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	9.88	8.96	0.11	0.10	
	9. Repairs - Buildings	1.26	0.27	0.01	0.00	
	10. Utilities and Miscellaneous	19.56	17.28	0.22	0.20	
	11. Custom Work	15.38	10.95	0.17	0.13	
	12. Operating Interest Paid	2.89	5.92	0.03	0.07	
	13. Paid Labour	1.19	3.65	0.01	0.04	
	14. Unpaid Labour	11.50	15.69	0.13	0.18	
	Variable Costs	148.74	157.56	1.65	1.82	
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(C)	1. Cash/ Share Land Rent	9.79	15.94	0.11	0.18	
	2. Taxes, Water Rates, License & Ins.	8.69	4.94	0.10	0.06	
	3. Equipment and Building:	a) Depreciation	23.65	31.25	0.26	0.36
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	6.60	14.04	0.07	0.76	
	Capital Costs	48.73	66.16	0.54	1.36	
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(D)	Cash Costs	(B+C-B14-C3a)	162.31	176.79	1.81	2.64
(E)	Total Production Costs	(B+C)	197.46	223.73	2.20	3.18
	Gross Margin	(A-D)	217.23	428.51	2.42	4.34
	Return to Unpaid Labour	(A-E+B14)	193.58	397.26	2.15	3.98
	Return to Investment	(A-E+C4)	188.68	395.60	2.10	4.56
	Return to Equity	(A-E)	182.08	381.57	2.03	3.80

Investment

Buildings	188.88	128.02
Machinery	160.67	287.84
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1040.30	723.72

Management

Average Yield	(Bushel/acre)	89.91	86.77
Expected Market Price	(\$/Bushel)	4.15	6.66

2003 Crop Enterprise Analysis

AgriProfit\$

Crop: *Pedigreed Barley - Own*
 Soil Zone: *Black - Dryland*
 Unit: *Bushel*

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	345.23	--	3.66	--
	2. Crop Insurance Receipts	2.05	--	0.02	--
	3. Other Receipts	3.69	--	0.04	--
Gross Receipts		350.97	0.00	3.73	0.00
(B)	Cost Items				
	1. Seed	22.82	--	0.24	--
	2. Fertilizer	34.14	--	0.36	--
	3. Chemical	8.02	--	0.09	--
	4. Hail/Crop Insurance Premium	2.06	--	0.02	--
	5. Trucking and Marketing	2.39	--	0.03	--
	6. Fuel	12.70	--	0.13	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	10.09	--	0.11	--
	9. Repairs - Buildings	1.44	--	0.02	--
	10. Utilities and Miscellaneous	21.08	--	0.22	--
	11. Custom Work	15.50	--	0.16	--
	12. Operating Interest Paid	0.87	--	0.01	--
	13. Paid Labour	0.78	--	0.01	--
14. Unpaid Labour	9.60	--	0.10	--	
Variable Costs		141.48	0.00	1.50	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	10.49	--	0.11	--
	3. Equipment and Building:				
	a) Depreciation	22.67	--	0.24	--
b) Lease Payments	0.00	--	0.00	--	
4. Paid Capital Interest	5.11	--	0.05	--	
Capital Costs		38.26	0.00	0.41	0.00
(D)	Cash Costs (B+C-B14-C3a)	147.48	--	1.57	--
(E)	Total Production Costs (B+C)	179.75	--	1.91	--
	Gross Margin (A-D)	203.49	--	2.16	--
	Return to Unpaid Labour (A-E+B14)	180.83	--	1.92	--
	Return to Investment (A-E+C4)	176.33	--	1.87	--
	Return to Equity (A-E)	171.22	--	1.82	--

Investment

Buildings	196.16	--
Machinery	143.16	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1253.90	--

Management

Average Yield	(Bushel/acre)	94.21	--
Expected Market Price	(\$/Bushel)	3.66	--

2003 Crop Enterprise Analysis

AgriProfit\$

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

		-----\$/Acre-----		----\$/Bushel----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	91.35	117.82	1.58	1.42
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	10.46	19.10	0.18	0.23
	Gross Receipts	101.81	136.92	1.76	1.65
(B)	Cost Items				
	1. Seed	11.33	12.41	0.20	0.15
	2. Fertilizer	23.46	18.65	0.41	0.23
	3. Chemical	11.10	6.60	0.19	0.08
	4. Hail/Crop Insurance Premium	6.92	13.42	0.12	0.16
	5. Trucking and Marketing	1.00	1.85	0.02	0.02
	6. Fuel	9.79	8.96	0.17	0.11
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	7.64	6.09	0.13	0.07
	9. Repairs - Buildings	0.87	0.22	0.02	0.00
	10. Utilities and Miscellaneous	8.56	7.86	0.15	0.09
	11. Custom Work	3.20	1.90	0.06	0.02
	12. Operating Interest Paid	1.66	1.47	0.03	0.02
	13. Paid Labour	2.60	0.34	0.05	0.00
	14. Unpaid Labour	16.44	13.35	0.28	0.16
	Variable Costs	104.55	93.10	1.81	1.12
(C)	1. Cash/ Share Land Rent	10.39	0.00	0.18	0.00
	2. Taxes, Water Rates, License & Ins.	5.92	5.55	0.10	0.07
	3. Equipment and Building: a) Depreciation	26.92	13.33	0.47	0.16
	b) Lease Payments	2.52	0.00	0.04	0.00
	4. Paid Capital Interest	4.31	6.82	0.07	0.31
	Capital Costs	50.06	25.70	0.87	0.54
(D)	Cash Costs (B+C-B14-C3a)	111.25	92.12	1.92	1.34
(E)	Total Production Costs (B+C)	154.61	118.80	2.67	1.66
	Gross Margin (A-D)	(9.44)	44.80	(0.16)	0.31
	Return to Unpaid Labour (A-E+B14)	(36.36)	31.47	(0.63)	0.15
	Return to Investment (A-E+C4)	(48.48)	24.94	(0.84)	0.30
	Return to Equity (A-E)	(52.80)	18.12	(0.91)	(0.01)

Investment

Buildings	91.56	43.97
Machinery	229.09	122.83
Irrigation Machinery	0.00	0.00
Total (incl. Land)	899.18	943.34

Management

Average Yield	(Bushel/acre)	57.82	82.87
Expected Market Price	(\$/Bushel)	1.58	1.42

2003 Crop Enterprise Analysis

AgriProfit\$

Crop: *Oats - Own*
 Soil Zone: *Black - Dryland*
 Unit: *Bushel*

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	124.30	--	1.60	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	14.70	--	0.19	--
Gross Receipts		139.00	0.00	1.79	0.00
(B)	Cost Items				
	1. Seed	15.12	--	0.19	--
	2. Fertilizer	30.18	--	0.39	--
	3. Chemical	6.19	--	0.08	--
	4. Hail/Crop Insurance Premium	8.38	--	0.11	--
	5. Trucking and Marketing	1.71	--	0.02	--
	6. Fuel	8.62	--	0.11	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	7.85	--	0.10	--
	9. Repairs - Buildings	1.18	--	0.02	--
	10. Utilities and Miscellaneous	10.65	--	0.14	--
	11. Custom Work	0.95	--	0.01	--
	12. Operating Interest Paid	1.23	--	0.02	--
	13. Paid Labour	0.84	--	0.01	--
14. Unpaid Labour	12.44	--	0.16	--	
Variable Costs		105.33	0.00	1.36	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	7.04	--	0.09	--
	3. Equipment and Building:				
	a) Depreciation	27.16	--	0.35	--
b) Lease Payments	4.30	--	0.06	--	
4. Paid Capital Interest	7.38	--	0.10	--	
Capital Costs		45.89	0.00	0.59	0.00
(D)	Cash Costs	111.61	--	1.44	--
(E)	Total Production Costs	151.21	--	1.95	--
	Gross Margin	27.39	--	0.35	--
	Return to Unpaid Labour	0.22	--	0.00	--
	Return to Investment	(4.84)	--	(0.06)	--
	Return to Equity	(12.22)	--	(0.16)	--

Investment

Buildings	75.19	--
Machinery	244.33	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1309.33	--

Management

Average Yield	(Bushel/acre)	77.59	--
Expected Market Price	(\$/Bushel)	1.60	--

2003 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	252.62	248.00	7.98	8.00	
	2. Crop Insurance Receipts	10.92	2.64	0.35	0.09	
	3. Other Receipts	8.82	9.76	0.28	0.31	
	Gross Receipts	272.36	260.40	8.60	8.40	
(B) Cost Items						
	1. Seed	16.33	11.18	0.52	0.36	
	2. Fertilizer	32.44	29.73	1.02	0.96	
	3. Chemical	17.19	15.00	0.54	0.48	
	4. Hail/Crop Insurance Premium	9.57	10.01	0.30	0.32	
	5. Trucking and Marketing	1.73	0.00	0.05	0.00	
	6. Fuel	9.44	3.73	0.30	0.12	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	8.34	5.34	0.26	0.17	
	9. Repairs - Buildings	1.07	0.90	0.03	0.03	
	10. Utilities and Miscellaneous	9.38	3.53	0.30	0.11	
	11. Custom Work	1.75	0.00	0.06	0.00	
	12. Operating Interest Paid	1.32	1.62	0.04	0.05	
	13. Paid Labour	1.12	0.42	0.04	0.01	
	14. Unpaid Labour	10.27	8.88	0.32	0.29	
	Variable Costs	119.95	90.34	3.79	2.91	
(C)	1. Cash/ Share Land Rent	7.08	7.10	0.22	0.23	
	2. Taxes, Water Rates, License & Ins.	4.70	2.88	0.15	0.09	
	3. Equipment and Building:					
	a) Depreciation	53.78	25.40	1.70	0.82	
b) Lease Payments	0.81	0.00	0.03	0.00		
4. Paid Capital Interest	5.39	5.08	0.17	1.30		
	Capital Costs	71.75	40.45	2.27	2.45	
(D)	Cash Costs	(B+C-B14-C3a)	127.65	96.52	4.03	4.25
(E)	Total Production Costs	(B+C)	191.70	130.79	6.06	5.36
	Gross Margin	(A-D)	144.72	163.88	4.57	4.15
	Return to Unpaid Labour	(A-E+B14)	90.94	138.48	2.87	3.33
	Return to Investment	(A-E+C4)	86.05	134.68	2.72	4.34
	Return to Equity	(A-E)	80.66	129.60	2.55	3.04

Investment

Buildings	91.74	36.37
Machinery	541.12	260.92
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1331.48	908.05

Management

Average Yield	(Bushel/acre)	31.66	31.00
Expected Market Price	(\$/Bushel)	7.98	8.00

2003 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	253.97	--	7.97	--
	2. Crop Insurance Receipts	13.34	--	0.42	--
	3. Other Receipts	8.55	--	0.27	--
Gross Receipts		275.86	0.00	8.66	0.00
(B)	Cost Items				
	1. Seed	17.83	--	0.56	--
	2. Fertilizer	33.23	--	1.04	--
	3. Chemical	17.82	--	0.56	--
	4. Hail/Crop Insurance Premium	9.44	--	0.30	--
	5. Trucking and Marketing	2.24	--	0.07	--
	6. Fuel	11.11	--	0.35	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	9.22	--	0.29	--
	9. Repairs - Buildings	1.11	--	0.03	--
	10. Utilities and Miscellaneous	11.09	--	0.35	--
	11. Custom Work	2.27	--	0.07	--
	12. Operating Interest Paid	1.24	--	0.04	--
	13. Paid Labour	1.32	--	0.04	--
	14. Unpaid Labour	10.68	--	0.34	--
Variable Costs		128.60	0.00	4.04	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	5.72	--	0.18	--
	3. Equipment and Building: a) Depreciation	62.07	--	1.95	--
	b) Lease Payments	1.05	--	0.03	--
	4. Paid Capital Interest	5.97	--	0.19	--
Capital Costs		74.81	0.00	2.35	0.00
(D)	Cash Costs (B+C-B14-C3a)	130.65	--	4.10	--
(E)	Total Production Costs (B+C)	203.41	--	6.39	--
	Gross Margin (A-D)	145.21	--	4.56	--
	Return to Unpaid Labour (A-E+B14)	83.14	--	2.61	--
	Return to Investment (A-E+C4)	78.43	--	2.46	--
	Return to Equity (A-E)	72.45	--	2.28	--

Investment

Buildings	107.91	--
Machinery	623.00	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1633.68	--

Management

Average Yield	(Bushel/acre)	31.85	--
Expected Market Price	(\$/Bushel)	7.97	--

2003 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	344.85	--	7.50	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	1.48	--	0.03	--
Gross Receipts		346.33	0.00	7.53	0.00
(B)	Cost Items				
	1. Seed	26.62	--	0.58	--
	2. Fertilizer	46.69	--	1.02	--
	3. Chemical	22.04	--	0.48	--
	4. Hail/Crop Insurance Premium	18.70	--	0.41	--
	5. Trucking and Marketing	3.32	--	0.07	--
	6. Fuel	10.14	--	0.22	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	8.15	--	0.18	--
	9. Repairs - Buildings	1.94	--	0.04	--
	10. Utilities and Miscellaneous	16.42	--	0.36	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	1.74	--	0.04	--
	13. Paid Labour	1.78	--	0.04	--
	14. Unpaid Labour	13.46	--	0.29	--
Variable Costs		171.00	0.00	3.72	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	8.50	--	0.18	--
	3. Equipment and Building: a) Depreciation	39.25	--	0.85	--
	b) Lease Payments	4.28	--	0.09	--
	4. Paid Capital Interest	10.25	--	0.22	--
Capital Costs		62.27	0.00	1.35	0.00
(D)	Cash Costs (B+C-B14-C3a)	180.56	--	3.93	--
(E)	Total Production Costs (B+C)	233.27	--	5.07	--
	Gross Margin (A-D)	165.77	--	3.61	--
	Return to Unpaid Labour (A-E+B14)	126.52	--	2.75	--
	Return to Investment (A-E+C4)	123.31	--	2.68	--
	Return to Equity (A-E)	113.06	--	2.46	--

Investment

Buildings	105.81	--
Machinery	356.02	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1325.38	--

Management

Average Yield	(Bushel/acre)	45.98	--
Expected Market Price	(\$/Bushel)	7.50	--

2003 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	280.36	313.52	7.88	7.77
	2. Crop Insurance Receipts	8.72	0.61	0.24	0.02
	3. Other Receipts	4.39	3.54	0.12	0.09
Gross Receipts		293.47	317.68	8.24	7.87
(B)	Cost Items				
	1. Seed	20.16	20.83	0.57	0.52
	2. Fertilizer	35.73	34.79	1.00	0.86
	3. Chemical	22.62	19.44	0.64	0.48
	4. Hail/Crop Insurance Premium	13.91	8.27	0.39	0.20
	5. Trucking and Marketing	2.47	0.55	0.07	0.01
	6. Fuel	6.96	6.59	0.20	0.16
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	8.85	9.37	0.25	0.23
	9. Repairs - Buildings	1.38	1.53	0.04	0.04
	10. Utilities and Miscellaneous	10.85	9.34	0.30	0.23
	11. Custom Work	2.56	2.11	0.07	0.05
	12. Operating Interest Paid	1.91	1.68	0.05	0.04
	13. Paid Labour	2.28	3.24	0.06	0.08
	14. Unpaid Labour	10.06	8.43	0.28	0.21
Variable Costs		139.74	126.18	3.93	3.13
(C)	1. Cash/ Share Land Rent	18.90	5.49	0.53	0.14
	2. Taxes, Water Rates, License & Ins.	4.63	6.26	0.13	0.16
	3. Equipment and Building: a) Depreciation	27.46	26.54	0.77	0.66
	b) Lease Payments	0.81	0.00	0.02	0.00
	4. Paid Capital Interest	9.34	8.32	0.26	1.15
Capital Costs		61.14	46.61	1.72	2.10
(D)	Cash Costs (B+C-B14-C3a)	163.36	137.82	4.59	4.36
(E)	Total Production Costs (B+C)	200.88	172.79	5.64	5.23
	Gross Margin (A-D)	130.10	179.86	3.65	3.51
	Return to Unpaid Labour (A-E+B14)	102.64	153.33	2.88	2.85
	Return to Investment (A-E+C4)	101.93	153.22	2.86	3.80
	Return to Equity (A-E)	92.58	144.89	2.60	2.64

Investment

Buildings	83.28	92.33
Machinery	260.21	241.87
Irrigation Machinery	0.00	0.00
Total (incl. Land)	968.56	1242.54

Management

Average Yield	(Bushel/acre)	35.60	40.36
Expected Market Price	(\$/Bushel)	7.88	7.77

2003 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	282.52	311.24	7.87	7.87
	2. Crop Insurance Receipts	6.71	0.00	0.19	0.00
	3. Other Receipts	4.28	1.75	0.12	0.04
Gross Receipts		293.51	312.99	8.17	7.92
(B)	Cost Items				
	1. Seed	20.41	22.00	0.57	0.56
	2. Fertilizer	34.77	27.51	0.97	0.70
	3. Chemical	22.24	16.02	0.62	0.41
	4. Hail/Crop Insurance Premium	13.05	4.54	0.36	0.11
	5. Trucking and Marketing	2.12	0.48	0.06	0.01
	6. Fuel	6.88	6.27	0.19	0.16
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	8.03	6.84	0.22	0.17
	9. Repairs - Buildings	1.25	0.84	0.03	0.02
	10. Utilities and Miscellaneous	10.28	6.60	0.29	0.17
	11. Custom Work	1.61	1.43	0.04	0.04
	12. Operating Interest Paid	1.93	0.51	0.05	0.01
	13. Paid Labour	2.26	0.72	0.06	0.02
	14. Unpaid Labour	9.92	10.41	0.28	0.26
Variable Costs		134.75	104.17	3.75	2.63
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	6.52	5.24	0.18	0.13
	3. Equipment and Building: a) Depreciation	26.89	22.95	0.75	0.58
	b) Lease Payments	0.37	0.00	0.01	0.00
	4. Paid Capital Interest	12.05	7.56	0.34	0.90
Capital Costs		45.82	35.76	1.28	1.62
(D)	Cash Costs (B+C-B14-C3a)	143.77	106.56	4.00	3.41
(E)	Total Production Costs (B+C)	180.58	139.93	5.03	4.25
	Gross Margin (A-D)	149.74	206.43	4.17	4.51
	Return to Unpaid Labour (A-E+B14)	122.85	183.47	3.42	3.93
	Return to Investment (A-E+C4)	124.98	180.62	3.48	4.57
	Return to Equity (A-E)	112.93	173.06	3.14	3.66

Investment

Buildings	82.24	88.90
Machinery	253.75	206.72
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1425.19	1370.78

Management

Average Yield	(Bushel/acre)	35.92	39.53
Expected Market Price	(\$/Bushel)	7.87	7.87

2003 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	277.45	329.45	7.89	7.79
	2. Crop Insurance Receipts	11.42	0.00	0.32	0.00
	3. Other Receipts	4.54	5.34	0.13	0.13
Gross Receipts		293.41	334.79	8.34	7.92
(B)	Cost Items				
	1. Seed	19.83	20.23	0.56	0.48
	2. Fertilizer	37.03	31.61	1.05	0.75
	3. Chemical	23.13	20.65	0.66	0.49
	4. Hail/Crop Insurance Premium	15.06	9.16	0.43	0.22
	5. Trucking and Marketing	2.94	0.73	0.08	0.02
	6. Fuel	7.07	7.39	0.20	0.17
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	9.96	12.42	0.28	0.29
	9. Repairs - Buildings	1.56	2.61	0.04	0.06
	10. Utilities and Miscellaneous	11.62	10.44	0.33	0.25
	11. Custom Work	3.85	5.78	0.11	0.14
	12. Operating Interest Paid	1.88	1.49	0.05	0.04
	13. Paid Labour	2.30	5.04	0.07	0.12
	14. Unpaid Labour	10.25	7.62	0.29	0.18
Variable Costs		146.46	135.17	4.16	3.20
(C)	1. Cash/ Share Land Rent	44.35	44.66	1.26	1.06
	2. Taxes, Water Rates, License & Ins.	2.09	1.45	0.06	0.03
	3. Equipment and Building: a) Depreciation	28.24	25.31	0.80	0.60
	b) Lease Payments	1.40	0.49	0.04	0.01
	4. Paid Capital Interest	5.70	4.79	0.16	1.81
Capital Costs		81.77	76.70	2.33	3.51
(D)	Cash Costs (B+C-B14-C3a)	189.75	178.94	5.40	5.93
(E)	Total Production Costs (B+C)	228.23	211.87	6.49	6.71
	Gross Margin (A-D)	103.66	155.85	2.95	1.98
	Return to Unpaid Labour (A-E+B14)	75.43	130.54	2.14	1.39
	Return to Investment (A-E+C4)	70.88	127.71	2.02	3.02
	Return to Equity (A-E)	65.18	122.92	1.85	1.21

Investment

Buildings	84.70	60.68
Machinery	268.91	246.90
Irrigation Machinery	0.00	0.00
Total (incl. Land)	353.61	307.57

Management

Average Yield	(Bushel/acre)	35.17	42.29
Expected Market Price	(\$/Bushel)	7.89	7.79

2003 Crop Enterprise Analysis

AgriProfit\$

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

		-----\$/Acre-----		----\$/Bushel----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	202.88	256.99	5.22	5.72
	2. Crop Insurance Receipts	4.16	11.71	0.11	0.26
	3. Other Receipts	7.40	10.51	0.19	0.23
	Gross Receipts	214.44	279.21	5.52	6.22
(B)	Cost Items				
	1. Seed	34.88	40.41	0.90	0.90
	2. Fertilizer	8.91	4.59	0.23	0.10
	3. Chemical	31.56	34.13	0.81	0.76
	4. Hail/Crop Insurance Premium	12.74	17.21	0.33	0.38
	5. Trucking and Marketing	0.41	1.04	0.01	0.02
	6. Fuel	8.18	7.70	0.21	0.17
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	10.50	8.64	0.27	0.19
	9. Repairs - Buildings	2.98	3.37	0.08	0.07
	10. Utilities and Miscellaneous	9.53	10.21	0.25	0.23
	11. Custom Work	8.08	14.68	0.21	0.33
	12. Operating Interest Paid	2.47	1.82	0.06	0.04
	13. Paid Labour	2.85	1.38	0.07	0.03
	14. Unpaid Labour	7.58	8.81	0.20	0.20
	Variable Costs	140.69	153.98	3.62	3.43
(C)	1. Cash/ Share Land Rent	16.76	0.00	0.43	0.00
	2. Taxes, Water Rates, License & Ins.	4.21	4.08	0.11	0.09
	3. Equipment and Building: a) Depreciation	28.31	24.62	0.73	0.55
	b) Lease Payments	1.54	2.11	0.04	0.05
	4. Paid Capital Interest	11.49	19.86	0.30	1.13
	Capital Costs	62.30	50.67	1.60	1.81
(D)	Cash Costs (B+C-B14-C3a)	167.11	171.22	4.30	4.50
(E)	Total Production Costs (B+C)	202.99	204.65	5.23	5.24
	Gross Margin (A-D)	47.33	107.99	1.22	1.72
	Return to Unpaid Labour (A-E+B14)	19.02	83.37	0.49	1.17
	Return to Investment (A-E+C4)	22.94	94.42	0.59	2.10
	Return to Equity (A-E)	11.45	74.56	0.29	0.97

Investment

Buildings	92.86	82.88
Machinery	263.11	233.54
Irrigation Machinery	0.00	0.00
Total (incl. Land)	967.62	1460.86

Management

Average Yield	(Bushel/acre)	38.84	44.92
Expected Market Price	(\$/Bushel)	5.22	5.72

2003 Crop Enterprise Analysis

AgriProfit\$

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

		-----\$/Acre-----		----\$/Bushel----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	209.04	260.83	5.48	5.67
	2. Crop Insurance Receipts	7.19	14.17	0.19	0.31
	3. Other Receipts	8.19	12.06	0.21	0.26
Gross Receipts		224.41	287.06	5.89	6.24
(B)	Cost Items				
	1. Seed	35.70	41.33	0.94	0.90
	2. Fertilizer	7.13	5.56	0.19	0.12
	3. Chemical	32.09	34.69	0.84	0.75
	4. Hail/Crop Insurance Premium	14.53	16.68	0.38	0.36
	5. Trucking and Marketing	0.58	1.26	0.02	0.03
	6. Fuel	8.51	7.16	0.22	0.16
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	9.91	8.22	0.26	0.18
	9. Repairs - Buildings	3.24	3.02	0.09	0.07
	10. Utilities and Miscellaneous	9.72	10.38	0.25	0.23
	11. Custom Work	11.69	14.83	0.31	0.32
	12. Operating Interest Paid	2.33	1.90	0.06	0.04
	13. Paid Labour	1.76	1.32	0.05	0.03
	14. Unpaid Labour	8.42	9.32	0.22	0.20
Variable Costs		145.60	155.64	3.82	3.38
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	5.58	4.15	0.15	0.09
	3. Equipment and Building: a) Depreciation	26.99	23.81	0.71	0.52
	b) Lease Payments	1.74	1.80	0.05	0.04
	4. Paid Capital Interest	17.10	21.34	0.45	1.11
Capital Costs		51.41	51.11	1.35	1.76
(D)	Cash Costs (B+C-B14-C3a)	161.60	173.63	4.24	4.42
(E)	Total Production Costs (B+C)	197.01	206.75	5.17	5.14
	Gross Margin (A-D)	62.81	113.43	1.65	1.82
	Return to Unpaid Labour (A-E+B14)	35.82	89.62	0.94	1.30
	Return to Investment (A-E+C4)	44.50	101.65	1.17	2.21
	Return to Equity (A-E)	27.40	80.31	0.72	1.10

Investment

Buildings	94.33	86.95
Machinery	250.61	219.83
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1401.08	1471.12

Management

Average Yield	(Bushel/acre)	38.11	46.00
Expected Market Price	(\$/Bushel)	5.48	5.67

2003 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	194.40	--	4.88	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	6.32	--	0.16	--
Gross Receipts		200.71	0.00	5.04	0.00
(B)	Cost Items				
	1. Seed	33.76	--	0.85	--
	2. Fertilizer	11.37	--	0.29	--
	3. Chemical	30.83	--	0.77	--
	4. Hail/Crop Insurance Premium	10.27	--	0.26	--
	5. Trucking and Marketing	0.19	--	0.00	--
	6. Fuel	7.72	--	0.19	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	11.33	--	0.28	--
	9. Repairs - Buildings	2.63	--	0.07	--
	10. Utilities and Miscellaneous	9.28	--	0.23	--
	11. Custom Work	3.12	--	0.08	--
	12. Operating Interest Paid	2.66	--	0.07	--
	13. Paid Labour	4.34	--	0.11	--
	14. Unpaid Labour	6.42	--	0.16	--
Variable Costs		133.92	0.00	3.36	0.00
(C)	1. Cash/ Share Land Rent	39.82	--	1.00	--
	2. Taxes, Water Rates, License & Ins.	2.32	--	0.06	--
	3. Equipment and Building: a) Depreciation	30.12	--	0.76	--
	b) Lease Payments	1.26	--	0.03	--
	4. Paid Capital Interest	3.78	--	0.09	--
Capital Costs		77.30	0.00	1.94	0.00
(D)	Cash Costs (B+C-B14-C3a)	174.68	--	4.38	--
(E)	Total Production Costs (B+C)	211.22	--	5.30	--
	Gross Margin (A-D)	26.04	--	0.65	--
	Return to Unpaid Labour (A-E+B14)	(4.08)	--	(0.10)	--
	Return to Investment (A-E+C4)	(6.73)	--	(0.17)	--
	Return to Equity (A-E)	(10.50)	--	(0.26)	--

Investment

Buildings	90.84	--
Machinery	280.31	--
Irrigation Machinery	0.00	--
Total (incl. Land)	371.15	--

Management

Average Yield	(Bushel/acre)	39.84	--
Expected Market Price	(\$/Bushel)	4.88	--

2003 Crop Enterprise Analysis

Crop: Summerfallow - All
Soil Zone: Black - Dryland
Unit: 0

		-----\$/Acre-----	
		Average	Top 1/3
(A)	1. Crop Sales	0.00	--
	2. Crop Insurance Receipts	0.00	--
	3. Other Receipts	0.28	--
Gross Receipts		0.28	0.00
(B)	Cost Items		
	1. Seed	0.00	--
	2. Fertilizer	0.00	--
	3. Chemical	1.38	--
	4. Hail/Crop Insurance Premium	0.00	--
	5. Trucking and Marketing	1.08	--
	6. Fuel	5.59	--
	7. Irrigation Fuel and Electricity	0.00	--
	8. Repairs - Machinery	5.67	--
	9. Repairs - Buildings	0.14	--
	10. Utilities and Miscellaneous	2.85	--
	11. Custom Work	3.38	--
	12. Operating Interest Paid	1.69	--
	13. Paid Labour	0.77	--
	14. Unpaid Labour	4.97	--
Variable Costs		27.53	0.00
(C)	Capital Costs		
	1. Cash/ Share Land Rent	8.06	--
	2. Taxes, Water Rates, License & Ins.	3.88	--
	3. Equipment and Building: a) Depreciation	22.32	--
	b) Lease Payments	0.00	--
	4. Paid Capital Interest	3.56	--
Capital Costs		37.82	0.00
(D)	Cash Costs (B+C-B14-C3a)	38.06	--
(E)	Total Production Costs (B+C)	65.35	--
	Gross Margin (A-D)	(37.78)	--
	Return to Unpaid Labour (A-E+B14)	(60.10)	--
	Return to Investment (A-E+C4)	(61.51)	--
	Return to Equity (A-E)	(65.07)	--
	Investment		
	Buildings	72.56	--
	Machinery	203.90	--
	Irrigation Machinery	0.00	--
	Total (incl. Land)	701.49	--
	Management		
	Average Yield (/acre)	0.00	--
	Expected Market Price (\$/)	0.00	--

2003 Crop Enterprise Analysis

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

		-----\$/Acre-----	
		Average	Top 1/3
(A)	1. Crop Sales	0.00	--
	2. Crop Insurance Receipts	0.00	--
	3. Other Receipts	0.41	--
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Gross Receipts		0.41	0.00
(B)	Cost Items		
	1. Seed	0.00	--
	2. Fertilizer	0.00	--
	3. Chemical	2.04	--
	4. Hail/Crop Insurance Premium	0.00	--
	5. Trucking and Marketing	1.59	--
	6. Fuel	4.44	--
	7. Irrigation Fuel and Electricity	0.00	--
	8. Repairs - Machinery	4.87	--
	9. Repairs - Buildings	0.00	--
	10. Utilities and Miscellaneous	3.45	--
	11. Custom Work	1.96	--
	12. Operating Interest Paid	1.42	--
	13. Paid Labour	0.41	--
	14. Unpaid Labour	4.19	--
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Variable Costs		24.37	0.00
(C)	Capital Costs		
	1. Cash/ Share Land Rent	0.00	--
	2. Taxes, Water Rates, License & Ins.	3.66	--
	3. Equipment and Building: a) Depreciation	20.28	--
	b) Lease Payments	0.00	--
	4. Paid Capital Interest	5.25	--
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Capital Costs		29.20	0.00
(D)	Cash Costs (B+C-B14-C3a)	29.09	--
(E)	Total Production Costs (B+C)	53.57	--
	Gross Margin (A-D)	(28.68)	--
	Return to Unpaid Labour (A-E+B14)	(48.97)	--
	Return to Investment (A-E+C4)	(47.90)	--
	Return to Equity (A-E)	(53.16)	--
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	Investment		
	Buildings	52.55	--
	Machinery	202.11	--
	Irrigation Machinery	0.00	--
	Total (incl. Land)	882.09	--
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	Management		
	Average Yield (/acre)	0.00	--
	Expected Market Price (\$/)	0.00	--

2003 Crop Enterprise Analysis

AgriProfit\$

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

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	112.24	162.93	68.97	73.55
	2. Crop Insurance Receipts	0.44	1.46	0.27	0.66
	3. Other Receipts	7.28	18.83	4.47	8.50
Gross Receipts		119.95	183.22	73.72	82.71
(B)	Cost Items				
	1. Seed	1.03	0.00	0.63	0.00
	2. Fertilizer	7.69	9.76	4.73	4.41
	3. Chemical	0.62	0.00	0.38	0.00
	4. Hail/Crop Insurance Premium	2.79	4.03	1.72	1.82
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	6.44	6.92	3.96	3.13
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	11.70	12.68	7.19	5.72
	9. Repairs - Buildings	0.57	0.52	0.35	0.23
	10. Utilities and Miscellaneous	9.49	11.69	5.83	5.28
	11. Custom Work	1.99	1.14	1.22	0.52
	12. Operating Interest Paid	0.82	1.04	0.50	0.47
	13. Paid Labour	0.33	0.00	0.20	0.00
	14. Unpaid Labour	11.51	9.98	7.08	4.51
Variable Costs		54.98	57.77	33.79	26.08
(C)	1. Cash/ Share Land Rent	10.95	0.00	6.73	0.00
	2. Taxes, Water Rates, License & Ins.	5.56	6.62	3.42	2.99
	3. Equipment and Building: a) Depreciation	22.68	23.78	13.94	10.74
	b) Lease Payments	0.24	0.21	0.15	0.10
	4. Paid Capital Interest	2.41	1.92	1.48	14.69
Capital Costs		41.85	32.54	25.72	28.51
(D)	Cash Costs (B+C-B14-C3a)	62.63	56.54	38.49	39.35
(E)	Total Production Costs (B+C)	96.83	90.31	59.50	54.59
	Gross Margin (A-D)	57.32	126.68	35.23	43.36
	Return to Unpaid Labour (A-E+B14)	34.64	102.90	21.29	32.63
	Return to Investment (A-E+C4)	25.54	94.84	15.69	42.81
	Return to Equity (A-E)	23.12	92.91	14.21	28.12

Investment

Buildings	41.76	47.45
Machinery	209.53	221.10
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1022.09	1368.79

Management

Average Yield	(Tonne/acre)	1.63	2.22
Expected Market Price	(\$/Tonne)	68.97	73.55

2003 Crop Enterprise Analysis

AgriProfit\$

Crop: *Alfalfa/Grass Hay - Own*
Soil Zone: *Black - Dryland*
Unit: *Tonne*

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	120.03	161.84	67.93	74.62
	2. Crop Insurance Receipts	0.60	1.99	0.34	0.92
	3. Other Receipts	8.22	25.44	4.65	11.73
	Gross Receipts	128.84	189.27	72.92	87.27
(B)	Cost Items				
	1. Seed	1.43	0.00	0.81	0.00
	2. Fertilizer	6.92	13.29	3.92	6.13
	3. Chemical	0.39	0.00	0.22	0.00
	4. Hail/Crop Insurance Premium	3.62	3.44	2.05	1.58
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	6.86	6.64	3.88	3.06
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	12.48	12.57	7.06	5.79
	9. Repairs - Buildings	0.58	0.17	0.33	0.08
	10. Utilities and Miscellaneous	10.22	10.93	5.79	5.04
	11. Custom Work	1.55	1.56	0.87	0.72
	12. Operating Interest Paid	0.71	0.90	0.40	0.41
	13. Paid Labour	0.00	0.00	0.00	0.00
	14. Unpaid Labour	11.71	10.11	6.63	4.66
	Variable Costs	56.46	59.59	31.96	27.48
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	6.47	6.15	3.66	2.84
	3. Equipment and Building: a) Depreciation	24.09	21.66	13.64	9.98
	b) Lease Payments	0.24	0.00	0.14	0.00
	4. Paid Capital Interest	2.84	1.75	1.61	13.63
	Capital Costs	33.64	29.56	19.04	26.45
(D)	Cash Costs (B+C-B14-C3a)	54.29	57.39	30.73	39.28
(E)	Total Production Costs (B+C)	90.10	89.16	51.00	53.93
	Gross Margin (A-D)	74.55	131.88	42.19	47.98
	Return to Unpaid Labour (A-E+B14)	50.46	110.23	28.56	38.00
	Return to Investment (A-E+C4)	41.58	101.87	23.53	46.97
	Return to Equity (A-E)	38.74	100.12	21.93	33.34

Investment

Buildings	44.98	43.91
Machinery	220.65	201.92
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1333.94	1393.23

Management

Average Yield	(Tonne/acre)	1.77	2.17
Expected Market Price	(\$/Tonne)	67.93	74.62

2003 Crop Enterprise Analysis

AgriProfit\$

Crop: Alfalfa/Grass Hay - Rent
Soil Zone: Black - Dryland
Unit: Tonne

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	92.07	--	72.74	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	4.86	--	3.84	--
Gross Receipts		96.92	0.00	76.58	0.00
(B)	Cost Items				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	9.68	--	7.65	--
	3. Chemical	1.22	--	0.97	--
	4. Hail/Crop Insurance Premium	0.64	--	0.51	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	5.35	--	4.23	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	9.69	--	7.65	--
	9. Repairs - Buildings	0.57	--	0.45	--
	10. Utilities and Miscellaneous	7.59	--	6.00	--
	11. Custom Work	3.13	--	2.47	--
	12. Operating Interest Paid	1.10	--	0.87	--
	13. Paid Labour	1.19	--	0.94	--
	14. Unpaid Labour	10.99	--	8.69	--
Variable Costs		51.16	0.00	40.42	0.00
(C)	1. Cash/ Share Land Rent	39.32	--	31.07	--
	2. Taxes, Water Rates, License & Ins.	3.21	--	2.53	--
	3. Equipment and Building: a) Depreciation	19.03	--	15.03	--
	b) Lease Payments	0.23	--	0.18	--
	4. Paid Capital Interest	1.31	--	1.04	--
Capital Costs		63.10	0.00	49.86	0.00
(D)	Cash Costs (B+C-B14-C3a)	84.24	--	66.56	--
(E)	Total Production Costs (B+C)	114.26	--	90.28	--
	Gross Margin (A-D)	12.68	--	10.02	--
	Return to Unpaid Labour (A-E+B14)	(6.35)	--	(5.01)	--
	Return to Investment (A-E+C4)	(16.03)	--	(12.66)	--
	Return to Equity (A-E)	(17.34)	--	(13.70)	--

Investment

Buildings	33.42	--
Machinery	180.72	--
Irrigation Machinery	0.00	--
Total (incl. Land)	214.14	--

Management

Average Yield	(Tonne/acre)	1.27	--
Expected Market Price	(\$/Tonne)	72.74	--

2003 Crop Enterprise Analysis

AgriProfit\$

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

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	63.30	126.88	77.25	98.06
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	20.70	20.81	25.27	16.08
Gross Receipts		84.00	147.68	102.52	114.14
(B)	Cost Items				
	1. Seed	0.00	0.00	0.00	0.00
	2. Fertilizer	4.25	5.43	5.19	4.20
	3. Chemical	3.62	6.12	4.42	4.73
	4. Hail/Crop Insurance Premium	0.00	0.00	0.00	0.00
	5. Trucking and Marketing	0.43	1.47	0.52	1.14
	6. Fuel	3.95	3.12	4.82	2.41
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	7.08	6.12	8.64	4.73
	9. Repairs - Buildings	1.42	4.35	1.74	3.36
	10. Utilities and Miscellaneous	6.81	10.65	8.31	8.23
	11. Custom Work	3.99	5.25	4.86	4.06
	12. Operating Interest Paid	2.34	1.21	2.86	0.94
	13. Paid Labour	2.74	6.77	3.34	5.23
	14. Unpaid Labour	13.94	13.86	17.01	10.71
Variable Costs		50.57	64.36	61.72	49.74
(C)	1. Cash/ Share Land Rent	9.75	0.00	11.90	0.00
	2. Taxes, Water Rates, License & Ins.	4.77	7.15	5.82	5.53
	3. Equipment and Building: a) Depreciation	26.63	37.68	32.51	29.12
	b) Lease Payments	4.89	16.87	5.97	13.04
	4. Paid Capital Interest	6.41	15.32	7.82	59.53
Capital Costs		52.46	77.02	64.03	107.21
(D)	Cash Costs (B+C-B14-C3a)	62.46	89.83	76.23	117.12
(E)	Total Production Costs (B+C)	103.03	141.38	125.75	156.95
	Gross Margin (A-D)	21.54	57.85	26.29	(2.98)
	Return to Unpaid Labour (A-E+B14)	(5.10)	20.17	(6.22)	(32.10)
	Return to Investment (A-E+C4)	(12.62)	21.63	(15.41)	16.71
	Return to Equity (A-E)	(19.03)	6.31	(23.23)	(42.81)

Investment

Buildings	19.51	5.83
Machinery	270.12	373.66
Irrigation Machinery	0.00	0.00
Total (incl. Land)	865.72	1841.99

Management

Average Yield	(Tonne/acre)	0.82	1.29
Expected Market Price	(\$/Tonne)	77.25	98.06

2003 Crop Enterprise Analysis

AgriProfit\$

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

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	105.88	--	95.06	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	15.79	--	14.18	--
	Gross Receipts	121.68	0.00	109.24	0.00
(B)	Cost Items				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	10.67	--	9.58	--
	3. Chemical	9.09	--	8.16	--
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--
	5. Trucking and Marketing	1.07	--	0.96	--
	6. Fuel	2.82	--	2.53	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	4.45	--	4.00	--
	9. Repairs - Buildings	3.57	--	3.21	--
	10. Utilities and Miscellaneous	9.76	--	8.76	--
	11. Custom Work	7.64	--	6.86	--
	12. Operating Interest Paid	0.94	--	0.84	--
	13. Paid Labour	4.93	--	4.42	--
	14. Unpaid Labour	13.71	--	12.30	--
	Variable Costs	68.63	0.00	61.62	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	6.86	--	6.15	--
	3. Equipment and Building: a) Depreciation	31.29	--	28.09	--
	b) Lease Payments	12.27	--	11.02	--
	4. Paid Capital Interest	15.20	--	13.65	--
	Capital Costs	65.62	0.00	58.91	0.00
(D)	Cash Costs (B+C-B14-C3a)	89.25	--	80.13	--
(E)	Total Production Costs (B+C)	134.25	--	120.53	--
	Gross Margin (A-D)	32.42	--	29.11	--
	Return to Unpaid Labour (A-E+B14)	1.13	--	1.02	--
	Return to Investment (A-E+C4)	2.63	--	2.36	--
	Return to Equity (A-E)	(12.57)	--	(11.29)	--

Investment

Buildings	5.66	--
Machinery	316.82	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1767.94	--

Management

Average Yield	(Tonne/acre)	1.11	--
Expected Market Price	(\$/Tonne)	95.06	--

2003 Crop Enterprise Analysis

AgriProfit\$

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

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	35.08	--	56.20	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	23.95	--	38.38	--
	Gross Receipts	59.03	0.00	94.57	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	4.70	--	7.53	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	8.82	--	14.13	--
	9. Repairs - Buildings	0.00	--	0.00	--
	10. Utilities and Miscellaneous	4.86	--	7.79	--
	11. Custom Work	1.57	--	2.51	--
	12. Operating Interest Paid	3.28	--	5.25	--
	13. Paid Labour	1.28	--	2.06	--
	14. Unpaid Labour	14.09	--	22.58	--
	Variable Costs	38.60	0.00	61.85	0.00
(C)	1. Cash/ Share Land Rent	16.22	--	25.98	--
	2. Taxes, Water Rates, License & Ins.	3.39	--	5.43	--
	3. Equipment and Building: a) Depreciation	23.55	--	37.73	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	0.59	--	0.94	--
	Capital Costs	43.74	0.00	70.08	0.00
(D)	Cash Costs (B+C-B14-C3a)	44.70	--	71.62	--
(E)	Total Production Costs (B+C)	82.34	--	131.93	--
	Gross Margin (A-D)	14.33	--	22.95	--
	Return to Unpaid Labour (A-E+B14)	(9.22)	--	(14.77)	--
	Return to Investment (A-E+C4)	(22.73)	--	(36.41)	--
	Return to Equity (A-E)	(23.31)	--	(37.35)	--

Investment

Buildings	28.69	--
Machinery	239.17	--
Irrigation Machinery	0.00	--
Total (incl. Land)	267.87	--

Management

Average Yield	(Tonne/acre)	0.62	--
Expected Market Price	(\$/Tonne)	56.20	--

2003 Crop Enterprise Analysis

AgriProfit\$

Crop: *Native/Slough Grass Hay - All*
Soil Zone: *Black - Dryland*
Unit: *Tonne*

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	59.83	--	46.39	--
	2. Crop Insurance Receipts	4.90	--	3.80	--
	3. Other Receipts	0.21	--	0.16	--
Gross Receipts		64.93	0.00	50.35	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	0.72	--	0.56	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	3.55	--	2.75	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	3.87	--	3.00	--
	9. Repairs - Buildings	0.00	--	0.00	--
	10. Utilities and Miscellaneous	3.72	--	2.88	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	0.37	--	0.29	--
	13. Paid Labour	0.00	--	0.00	--
	14. Unpaid Labour	10.43	--	8.09	--
Variable Costs		22.66	0.00	17.57	0.00
(C)	1. Cash/ Share Land Rent	2.70	--	2.09	--
	2. Taxes, Water Rates, License & Ins.	2.41	--	1.87	--
	3. Equipment and Building:				
	a) Depreciation	18.88	--	14.64	--
b) Lease Payments	0.00	--	0.00	--	
4. Paid Capital Interest	5.13	--	3.98	--	
Capital Costs		29.11	0.00	22.57	0.00
(D)	Cash Costs	22.46	--	17.41	--
(E)	Total Production Costs	51.77	--	40.14	--
	Gross Margin	42.47	--	32.94	--
	Return to Unpaid Labour	23.60	--	18.30	--
	Return to Investment	18.29	--	14.18	--
	Return to Equity	13.16	--	10.21	--

Investment

Buildings	25.27	--
Machinery	179.43	--
Irrigation Machinery	0.00	--
Total (incl. Land)	860.00	--

Management

Average Yield	(Tonne/acre)	1.29	--
Expected Market Price	(\$/Tonne)	46.39	--

2003 Crop Enterprise Analysis

AgriProfit\$

Crop: *Native/Slough Grass Hay - Own*
 Soil Zone: *Black - Dryland*
 Unit: *Tonne*

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	66.86	--	46.78	--
	2. Crop Insurance Receipts	6.33	--	4.43	--
	3. Other Receipts	0.13	--	0.09	--
	Gross Receipts	73.33	0.00	51.31	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	0.93	--	0.65	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	3.55	--	2.48	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	4.50	--	3.15	--
	9. Repairs - Buildings	0.00	--	0.00	--
	10. Utilities and Miscellaneous	3.47	--	2.43	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	0.48	--	0.33	--
	13. Paid Labour	0.00	--	0.00	--
	14. Unpaid Labour	10.95	--	7.66	--
	Variable Costs	23.88	0.00	16.71	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	2.71	--	1.89	--
	3. Equipment and Building: a) Depreciation	19.38	--	13.56	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	4.20	--	2.94	--	
	Capital Costs	26.28	0.00	18.39	0.00
(D)	Cash Costs	19.83	--	13.88	--
(E)	Total Production Costs	50.17	--	35.10	--
	Gross Margin	53.50	--	37.43	--
	Return to Unpaid Labour	34.12	--	23.87	--
	Return to Investment	27.36	--	19.14	--
	Return to Equity	23.16	--	16.21	--

Investment

Buildings	25.53	--
Machinery	184.80	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1058.37	--

Management

Average Yield	(Tonne/acre)	1.43	--
Expected Market Price	(\$/Tonne)	46.78	--

2003 Crop Enterprise Analysis

AgriProfit\$

Crop: *Greenfeed - All*
 Soil Zone: *Black - Dryland*
 Unit: *Tonne*

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	110.11	--	51.65	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	2.53	--	1.19	--
	Gross Receipts	112.64	0.00	52.84	0.00
(B)	Cost Items				
	1. Seed	12.52	--	5.87	--
	2. Fertilizer	31.89	--	14.96	--
	3. Chemical	23.41	--	10.98	--
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	11.60	--	5.44	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	14.17	--	6.65	--
	9. Repairs - Buildings	1.50	--	0.71	--
	10. Utilities and Miscellaneous	9.69	--	4.54	--
	11. Custom Work	11.70	--	5.49	--
	12. Operating Interest Paid	0.00	--	0.00	--
	13. Paid Labour	2.61	--	1.22	--
	14. Unpaid Labour	19.26	--	9.04	--
	Variable Costs	138.34	0.00	64.90	0.00
(C)	1. Cash/ Share Land Rent	22.96	--	10.77	--
	2. Taxes, Water Rates, License & Ins.	9.03	--	4.23	--
	3. Equipment and Building: a) Depreciation	24.45	--	11.47	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	16.48	--	7.73	--
	Capital Costs	72.92	0.00	34.21	0.00
(D)	Cash Costs	167.54	--	78.60	--
(E)	Total Production Costs	211.26	--	99.11	--
	Gross Margin	(54.90)	--	(25.76)	--
	Return to Unpaid Labour	(79.35)	--	(37.23)	--
	Return to Investment	(82.14)	--	(38.53)	--
	Return to Equity	(98.62)	--	(46.26)	--

Investment

Buildings	55.45	--
Machinery	223.90	--
Irrigation Machinery	0.00	--
Total (incl. Land)	279.35	--

Management

Average Yield	(Tonne/acre)	2.13	--
Expected Market Price	(\$/Tonne)	51.65	--

2003 Crop Enterprise Analysis

AgriProfit\$

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

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	153.69	235.16	35.07	36.95
	2. Crop Insurance Receipts	12.65	1.73	2.89	0.27
	3. Other Receipts	2.03	5.16	0.46	0.81
Gross Receipts		168.38	242.05	38.42	38.04
(B)	Cost Items				
	1. Seed	11.59	11.95	2.64	1.88
	2. Fertilizer	22.68	27.57	5.18	4.33
	3. Chemical	13.31	7.75	3.04	1.22
	4. Hail/Crop Insurance Premium	6.45	7.46	1.47	1.17
	5. Trucking and Marketing	0.05	0.00	0.01	0.00
	6. Fuel	14.60	14.50	3.33	2.28
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	9.07	10.03	2.07	1.58
	9. Repairs - Buildings	0.70	0.06	0.16	0.01
	10. Utilities and Miscellaneous	9.18	6.22	2.09	0.98
	11. Custom Work	12.61	5.02	2.88	0.79
	12. Operating Interest Paid	2.12	2.55	0.48	0.40
	13. Paid Labour	2.98	1.00	0.68	0.16
	14. Unpaid Labour	12.04	14.77	2.75	2.32
Variable Costs		117.39	108.87	26.78	17.11
(C)	1. Cash/ Share Land Rent	14.47	9.22	3.30	1.45
	2. Taxes, Water Rates, License & Ins.	4.73	4.68	1.08	0.74
	3. Equipment and Building: a) Depreciation	24.46	22.60	5.58	3.55
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	4.74	2.23	1.08	6.09
Capital Costs		48.40	38.74	11.04	11.82
(D)	Cash Costs (B+C-B14-C3a)	129.28	110.24	29.50	23.06
(E)	Total Production Costs (B+C)	165.79	147.61	37.83	28.93
	Gross Margin (A-D)	39.10	131.81	8.92	14.98
	Return to Unpaid Labour (A-E+B14)	14.64	109.21	3.34	11.43
	Return to Investment (A-E+C4)	7.33	96.68	1.67	15.19
	Return to Equity (A-E)	2.59	94.44	0.59	9.10

Investment

Buildings	58.65	28.91
Machinery	221.34	227.47
Irrigation Machinery	0.00	0.00
Total (incl. Land)	990.29	856.70

Management

Average Yield	(Tonne/acre)	4.38	6.36
Expected Market Price	(\$/Tonne)	35.07	36.95

2003 Crop Enterprise Analysis

AgriProfit\$

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

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	180.30	256.92	33.28	35.44
	2. Crop Insurance Receipts	21.25	0.00	3.92	0.00
	3. Other Receipts	3.33	15.07	0.61	2.08
Gross Receipts		204.89	271.99	37.82	37.52
(B)	Cost Items				
	1. Seed	11.43	15.78	2.11	2.18
	2. Fertilizer	24.86	14.90	4.59	2.06
	3. Chemical	11.43	1.79	2.11	0.25
	4. Hail/Crop Insurance Premium	8.52	2.99	1.57	0.41
	5. Trucking and Marketing	0.08	0.00	0.02	0.00
	6. Fuel	16.35	10.00	3.02	1.38
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	9.69	11.62	1.79	1.60
	9. Repairs - Buildings	0.98	0.19	0.18	0.03
	10. Utilities and Miscellaneous	13.00	10.08	2.40	1.39
	11. Custom Work	13.70	13.77	2.53	1.90
	12. Operating Interest Paid	2.65	0.03	0.49	0.00
	13. Paid Labour	3.04	0.00	0.56	0.00
	14. Unpaid Labour	12.01	13.78	2.22	1.90
Variable Costs		127.75	94.94	23.58	13.10
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	6.43	4.81	1.19	0.66
	3. Equipment and Building: a) Depreciation	28.89	17.30	5.33	2.39
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	7.53	5.91	1.39	3.87
Capital Costs		42.85	28.02	7.91	6.92
(D)	Cash Costs (B+C-B14-C3a)	129.70	91.88	23.94	15.72
(E)	Total Production Costs (B+C)	170.60	122.97	31.49	20.01
	Gross Margin (A-D)	75.19	180.11	13.88	21.79
	Return to Unpaid Labour (A-E+B14)	46.30	162.81	8.55	19.41
	Return to Investment (A-E+C4)	41.82	154.93	7.72	21.37
	Return to Equity (A-E)	34.29	149.03	6.33	17.51

Investment

Buildings	77.69	30.19
Machinery	257.43	164.16
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1546.42	1143.26

Management

Average Yield	(Tonne/acre)	5.42	7.25
Expected Market Price	(\$/Tonne)	33.28	35.44

2003 Crop Enterprise Analysis

AgriProfit\$

Crop: **Grain Silage - Rent**
 Soil Zone: **Black - Dryland**
 Unit: **Tonne**

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	115.97	--	39.79	--
	2. Crop Insurance Receipts	0.46	--	0.16	--
	3. Other Receipts	0.19	--	0.06	--
Gross Receipts		116.62	0.00	40.01	0.00
(B)	Cost Items				
	1. Seed	11.82	--	4.05	--
	2. Fertilizer	19.59	--	6.72	--
	3. Chemical	15.97	--	5.48	--
	4. Hail/Crop Insurance Premium	3.52	--	1.21	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	12.11	--	4.16	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	8.21	--	2.82	--
	9. Repairs - Buildings	0.31	--	0.11	--
	10. Utilities and Miscellaneous	3.77	--	1.29	--
	11. Custom Work	11.05	--	3.79	--
	12. Operating Interest Paid	1.37	--	0.47	--
	13. Paid Labour	2.90	--	0.99	--
	14. Unpaid Labour	12.09	--	4.15	--
Variable Costs		102.70	0.00	35.23	0.00
(C)	1. Cash/ Share Land Rent	34.98	--	12.00	--
	2. Taxes, Water Rates, License & Ins.	2.31	--	0.79	--
	3. Equipment and Building: a) Depreciation	18.19	--	6.24	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	0.78	--	0.27	--
Capital Costs		56.26	0.00	19.30	0.00
(D)	Cash Costs (B+C-B14-C3a)	128.69	--	44.15	--
(E)	Total Production Costs (B+C)	158.96	--	54.54	--
	Gross Margin (A-D)	(12.07)	--	(4.14)	--
	Return to Unpaid Labour (A-E+B14)	(30.25)	--	(10.38)	--
	Return to Investment (A-E+C4)	(41.56)	--	(14.26)	--
	Return to Equity (A-E)	(42.34)	--	(14.53)	--

Investment

Buildings	31.66	--
Machinery	170.17	--
Irrigation Machinery	0.00	--
Total (incl. Land)	201.83	--

Management

Average Yield	(Tonne/acre)	2.91	--
Expected Market Price	(\$/Tonne)	39.79	--

2003 Crop Enterprise Analysis

AgriProfit\$

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

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	115.29	--	38.43	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	3.04	--	1.01	--
Gross Receipts		118.33	0.00	39.44	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	0.69	--	0.23	--
	6. Fuel	4.45	--	1.48	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	4.18	--	1.39	--
	9. Repairs - Buildings	1.79	--	0.60	--
	10. Utilities and Miscellaneous	12.90	--	4.30	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	0.72	--	0.24	--
	13. Paid Labour	3.20	--	1.07	--
	14. Unpaid Labour	13.09	--	4.36	--
Variable Costs		41.01	0.00	13.67	0.00
(C)	1. Cash/ Share Land Rent	19.13	--	6.38	--
	2. Taxes, Water Rates, License & Ins.	2.33	--	0.78	--
	3. Equipment and Building: a) Depreciation	36.35	--	12.12	--
	b) Lease Payments	7.96	--	2.65	--
	4. Paid Capital Interest	5.49	--	1.83	--
Capital Costs		71.26	0.00	23.75	0.00
(D)	Cash Costs (B+C-B14-C3a)	62.84	--	20.95	--
(E)	Total Production Costs (B+C)	112.28	--	37.43	--
	Gross Margin (A-D)	55.49	--	18.50	--
	Return to Unpaid Labour (A-E+B14)	19.14	--	6.38	--
	Return to Investment (A-E+C4)	11.54	--	3.85	--
	Return to Equity (A-E)	6.05	--	2.02	--

Investment

Buildings	43.06	--
Machinery	326.89	--
Irrigation Machinery	0.00	--
Total (incl. Land)	722.43	--

Management

Average Yield	(Tonne/acre)	3.00	--
Expected Market Price	(\$/Tonne)	38.43	--

2003 Crop Enterprise Analysis

AgriProfit\$

Crop: *Haylage - Own*
 Soil Zone: *Black - Dryland*
 Unit: *Tonne*

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	88.99	--	39.53	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	2.17	--	0.96	--
Gross Receipts		91.16	0.00	40.50	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	0.50	--	0.22	--
	6. Fuel	3.88	--	1.73	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	3.48	--	1.54	--
	9. Repairs - Buildings	1.28	--	0.57	--
	10. Utilities and Miscellaneous	13.66	--	6.07	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	0.59	--	0.26	--
	13. Paid Labour	2.28	--	1.01	--
	14. Unpaid Labour	12.76	--	5.67	--
Variable Costs		38.42	0.00	17.07	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	2.45	--	1.09	--
	3. Equipment and Building: a) Depreciation	34.05	--	15.13	--
	b) Lease Payments	5.68	--	2.52	--
	4. Paid Capital Interest	6.80	--	3.02	--
Capital Costs		48.98	0.00	21.76	0.00
(D)	Cash Costs	40.59	--	18.03	--
(E)	Total Production Costs	87.40	--	38.83	--
	Gross Margin	50.57	--	22.47	--
	Return to Unpaid Labour	16.52	--	7.34	--
	Return to Investment	10.56	--	4.69	--
	Return to Equity	3.76	--	1.67	--

Investment

Buildings	46.59	--
Machinery	302.40	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1059.52	--

Management

Average Yield	(Tonne/acre)	2.25	--
Expected Market Price	(\$/Tonne)	39.53	--

2003 Crop Enterprise Analysis

AgriProfit\$

Crop: *Haylage - Rent*
 Soil Zone: *Black - Dryland*
 Unit: *Tonne*

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	141.18	--	37.78	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	3.89	--	1.04	--
Gross Receipts		145.08	0.00	38.82	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	0.89	--	0.24	--
	6. Fuel	5.00	--	1.34	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	4.87	--	1.30	--
	9. Repairs - Buildings	2.30	--	0.61	--
	10. Utilities and Miscellaneous	12.16	--	3.25	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	0.85	--	0.23	--
	13. Paid Labour	4.10	--	1.10	--
	14. Unpaid Labour	13.41	--	3.59	--
Variable Costs		43.57	0.00	11.66	0.00
(C)	1. Cash/ Share Land Rent	37.96	--	10.16	--
	2. Taxes, Water Rates, License & Ins.	2.21	--	0.59	--
	3. Equipment and Building: a) Depreciation	38.62	--	10.33	--
	b) Lease Payments	10.21	--	2.73	--
	4. Paid Capital Interest	4.19	--	1.12	--
Capital Costs		93.20	0.00	24.94	0.00
(D)	Cash Costs (B+C-B14-C3a)	84.74	--	22.67	--
(E)	Total Production Costs (B+C)	136.77	--	36.59	--
	Gross Margin (A-D)	60.34	--	16.14	--
	Return to Unpaid Labour (A-E+B14)	21.72	--	5.81	--
	Return to Investment (A-E+C4)	12.50	--	3.35	--
	Return to Equity (A-E)	8.31	--	2.22	--

Investment

Buildings	39.59	--
Machinery	350.99	--
Irrigation Machinery	0.00	--
Total (incl. Land)	390.58	--

Management

Average Yield	(Tonne/acre)	3.74	--
Expected Market Price	(\$/Tonne)	37.78	--

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 Black soil zone. From these charts a lot can be interpreted about yield performance:

- The low is greater than 35 bushels per acre and the high is less than 75 bushels per acre, and
- 80% of the spring wheat fields in the black soil zone yield between 35 and 55 bushels per acre

This detailed information provides a better understanding of yield variability. The average yield is 48.31 bushels per acre as listed on page 15 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 wheat was \$4 per bushel, then 90% of the fields are covering their cash costs and 60% 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.

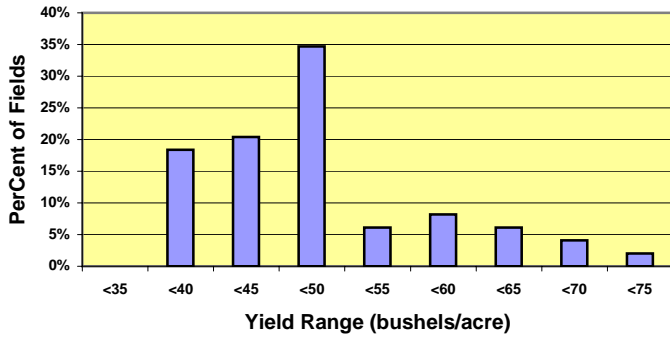
The final set of graphs shows the distribution of returns to equity, or profit per unit of production. This example shows that 20% of the fields had a loss and 80% of the fields at least broke even. Return to equity can be used to compare the profitability of one crop versus another or one farm enterprise 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.

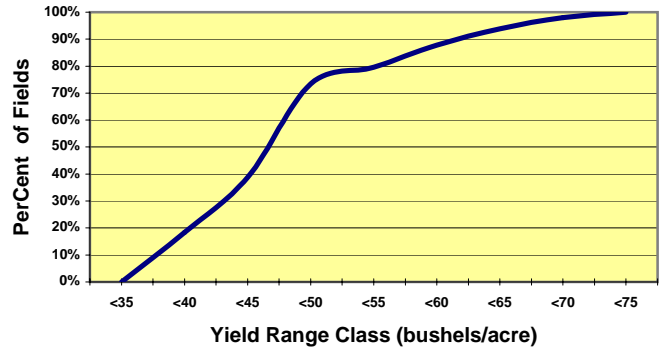
Black Soil Zone - Spring Wheat: 2003

AgriProfit\$

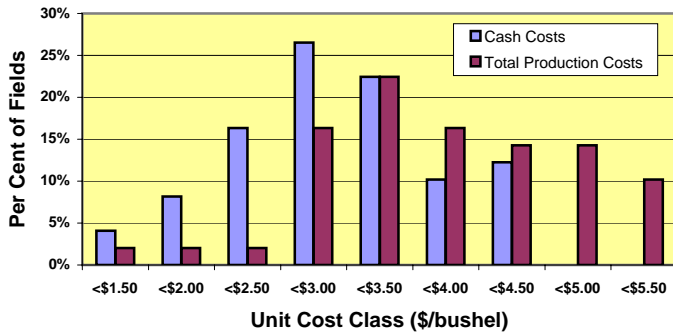
Frequency Distribution: Black Soil Zone - Spring Wheat Yields



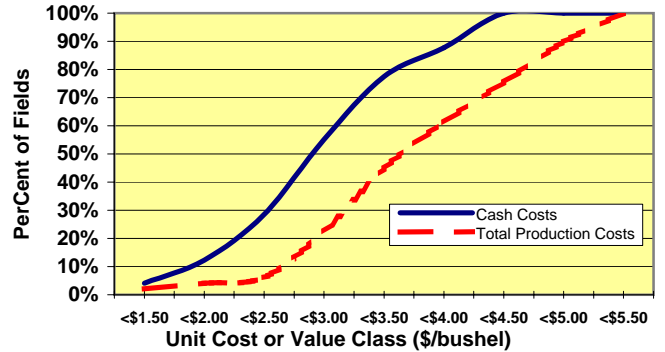
Cumulative Frequency Distribution of Black Soil Zone - Spring Wheat Yields



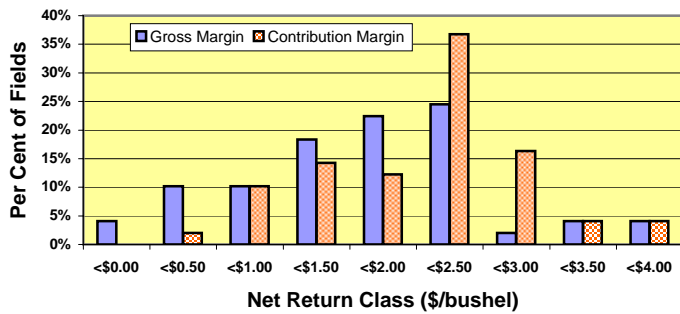
Frequency Distribution: Black Soil Zone - Spring Wheat Costs



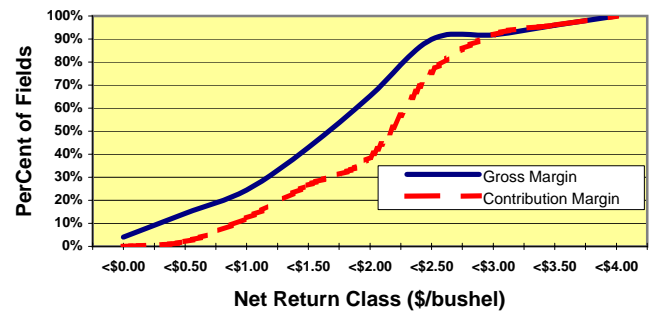
Cumulative Frequency Distribution of Black Soil Zone - Spring Wheat Costs



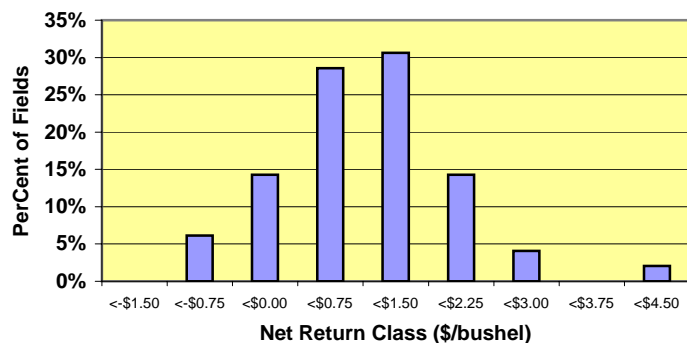
Frequency Distribution: Black Soil Zone - Spring Wheat Margins



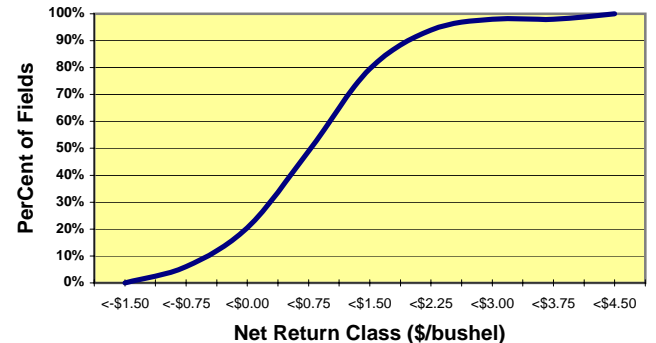
Cumulative Frequency Distribution of Black Soil Zone - Spring Wheat Margins



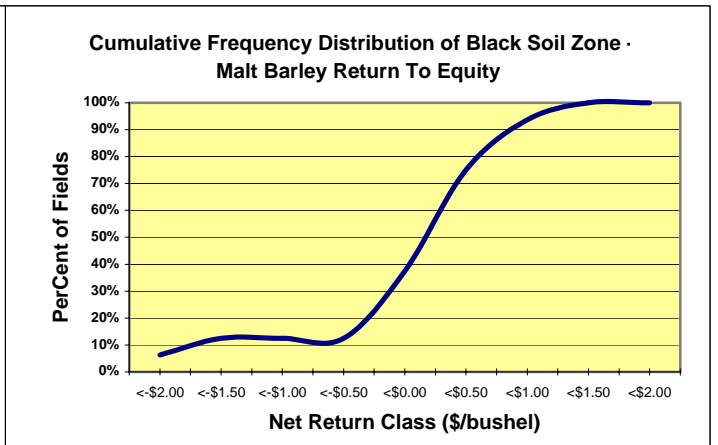
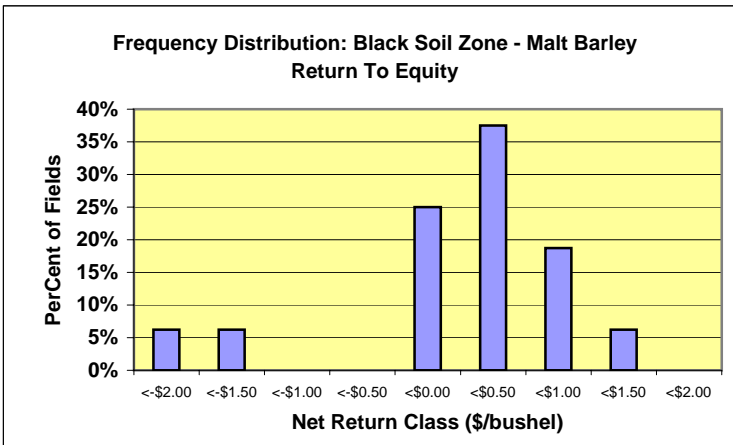
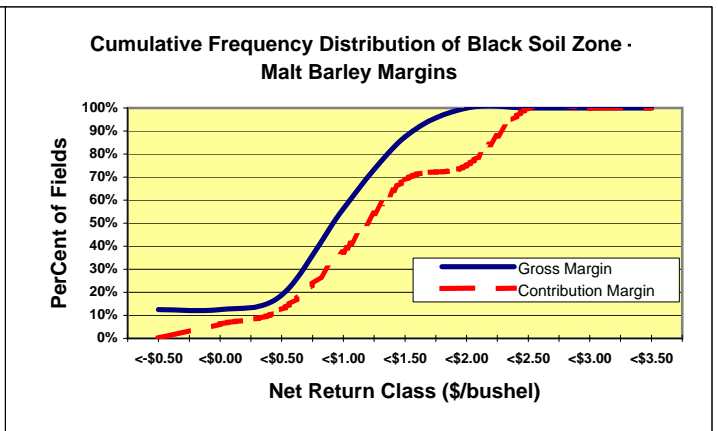
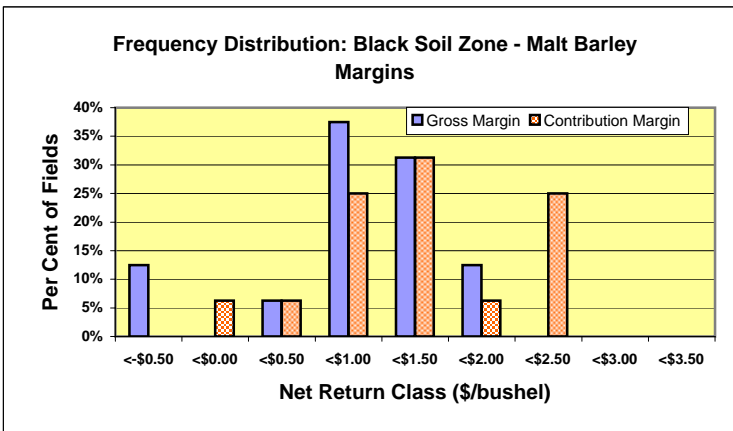
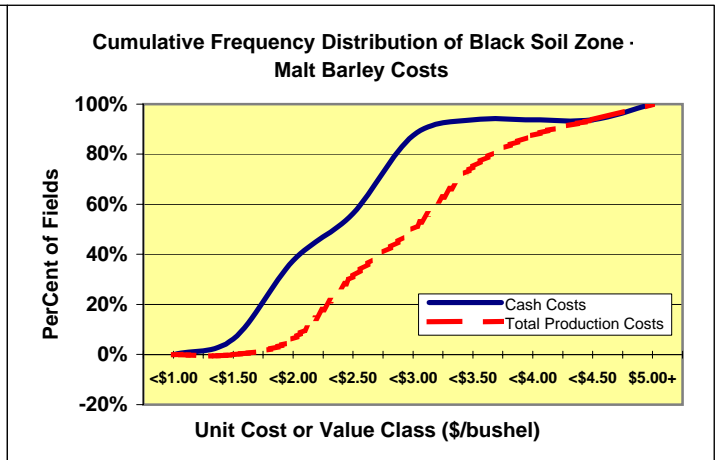
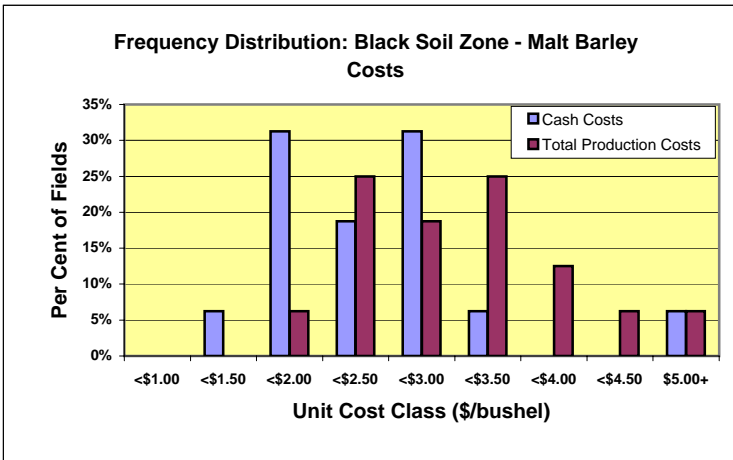
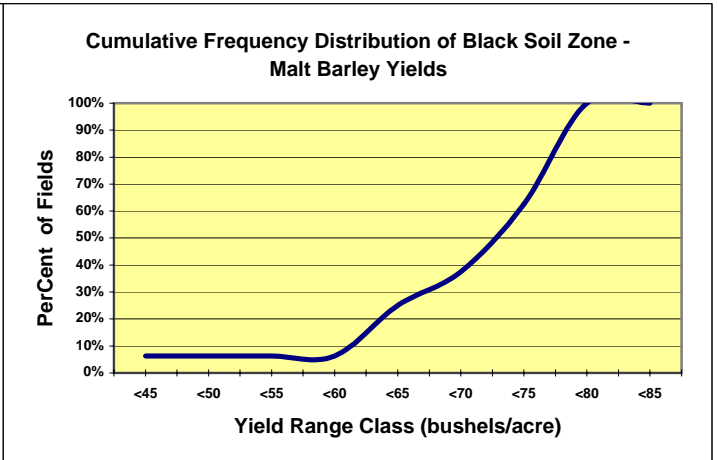
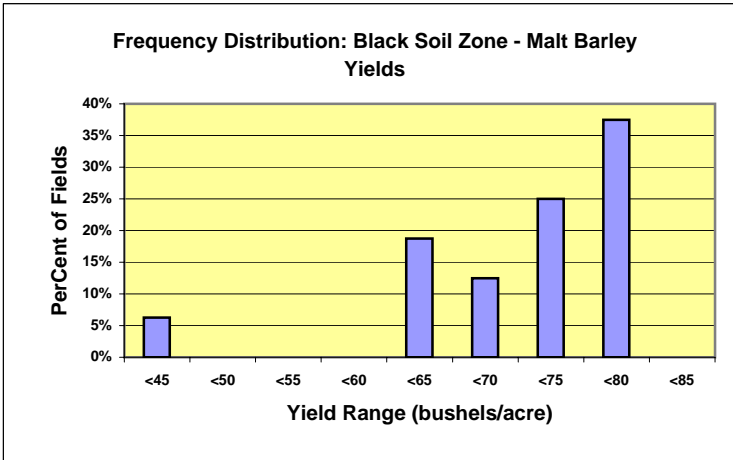
Frequency Distribution: Black Soil Zone - Spring Wheat Return To Equity



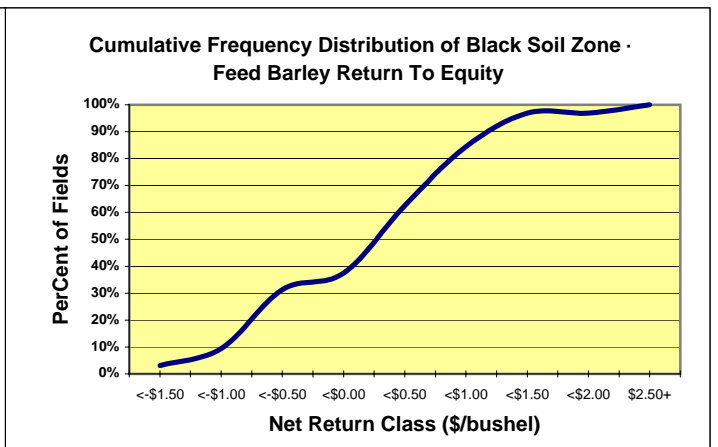
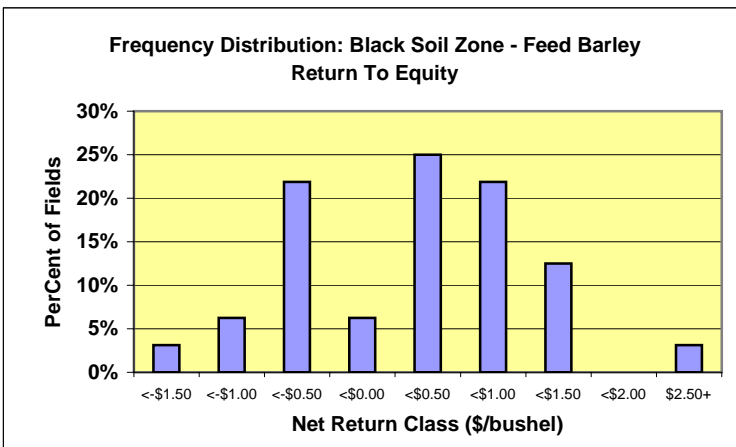
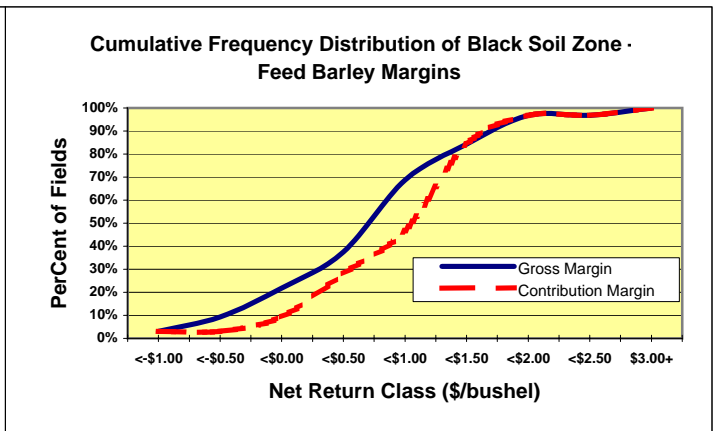
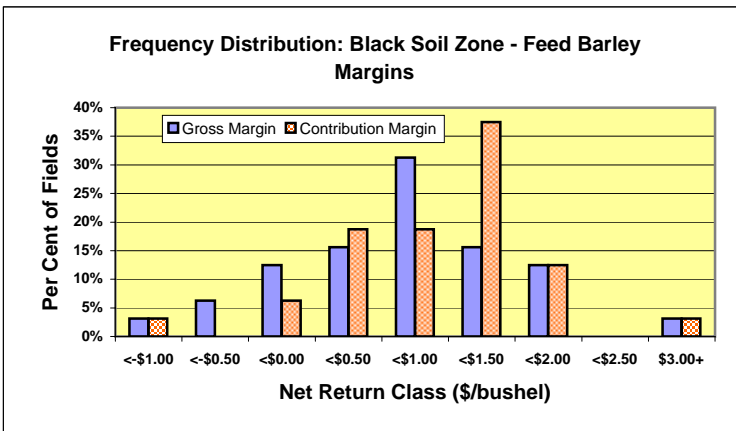
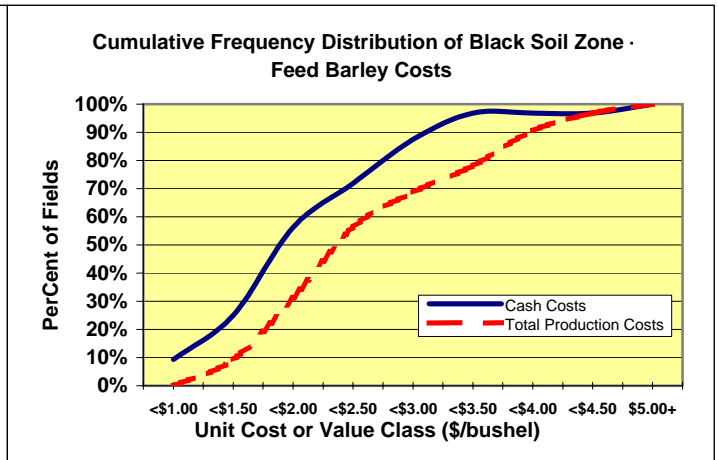
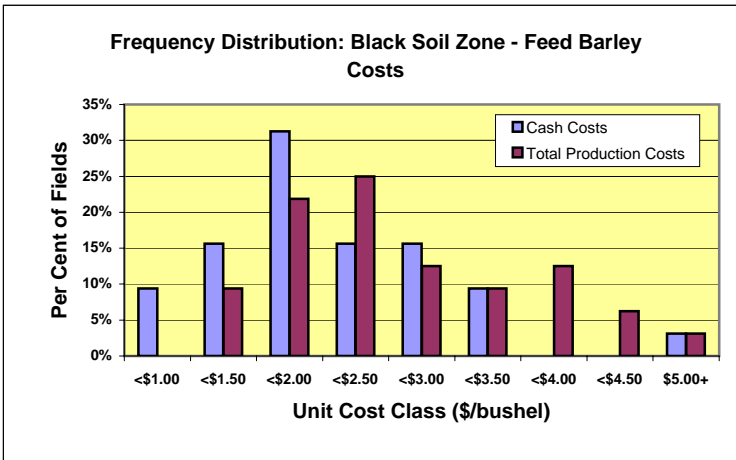
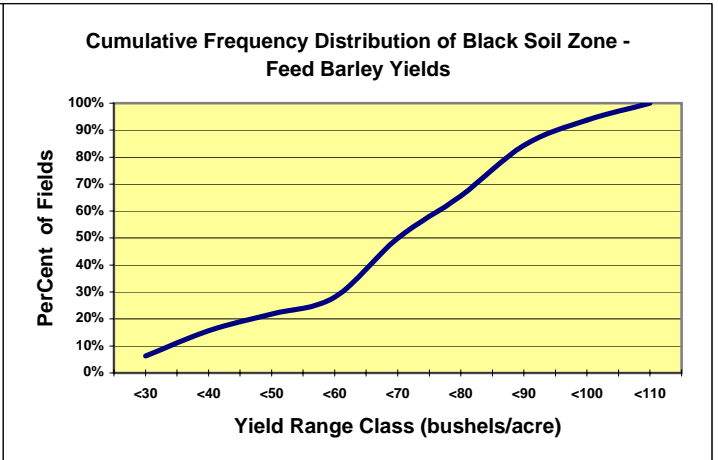
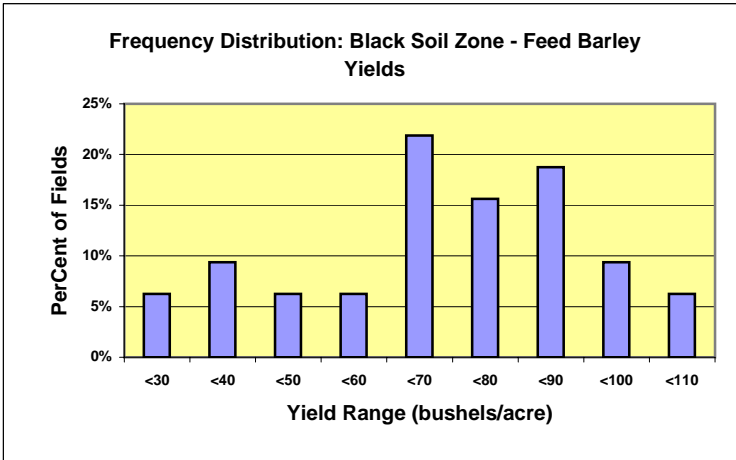
Cumulative Frequency Distribution of Black Soil Zone - Spring Wheat Return To Equity



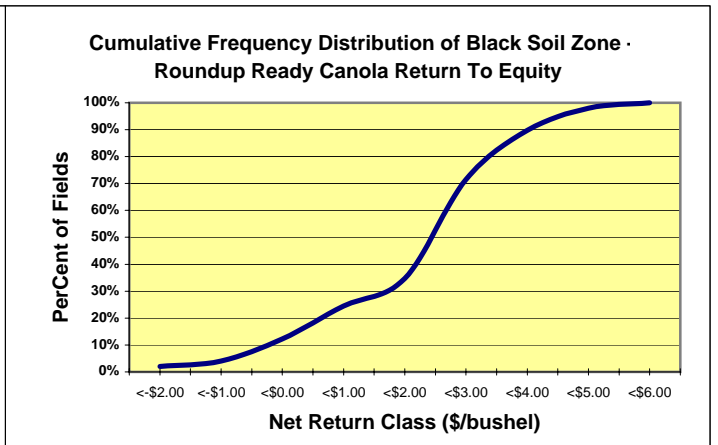
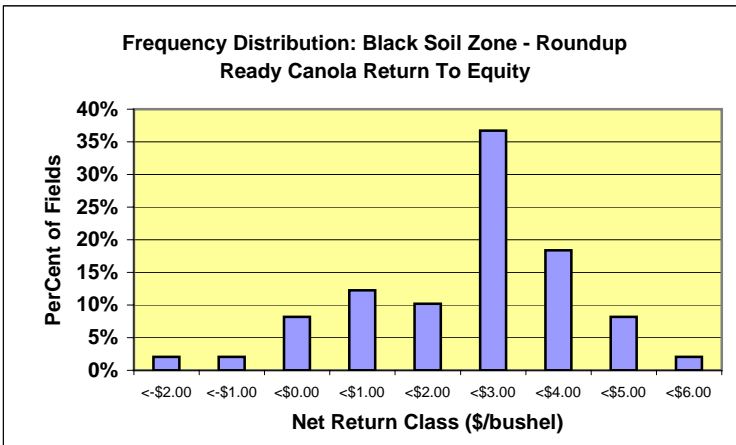
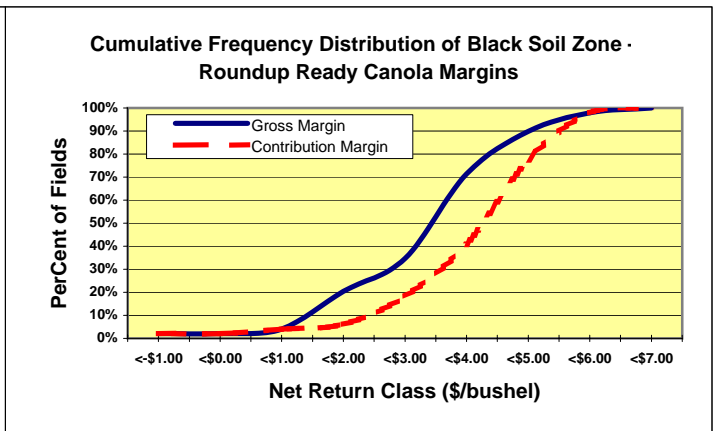
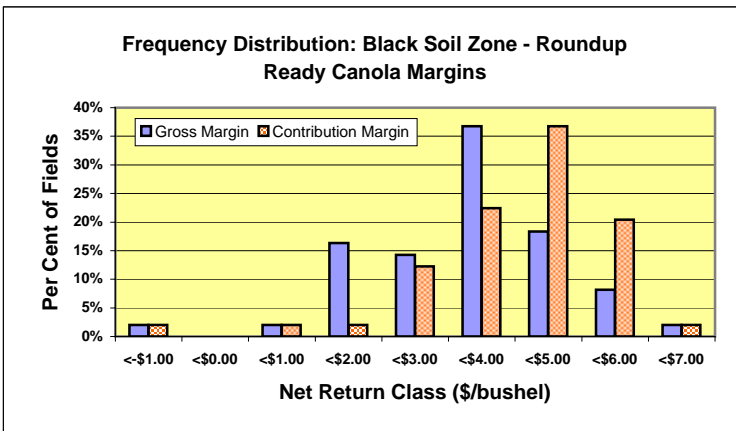
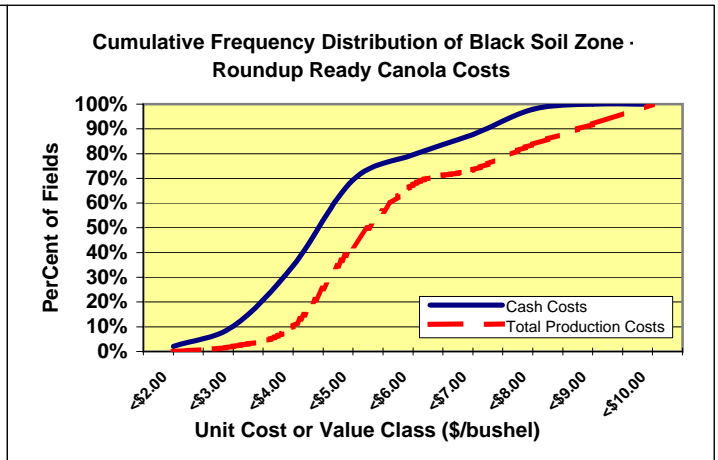
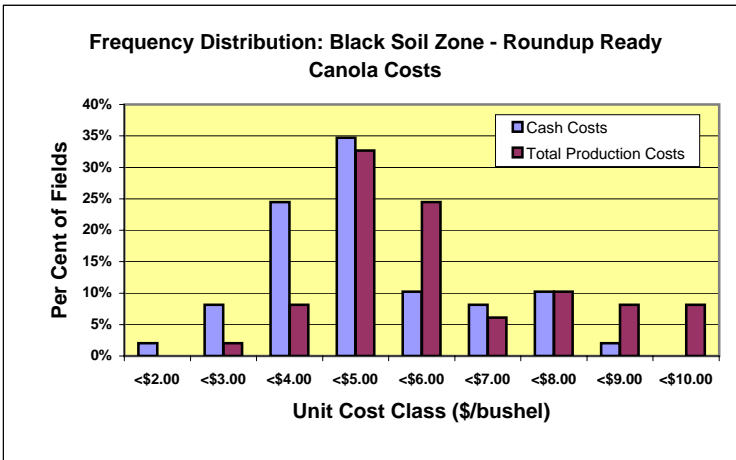
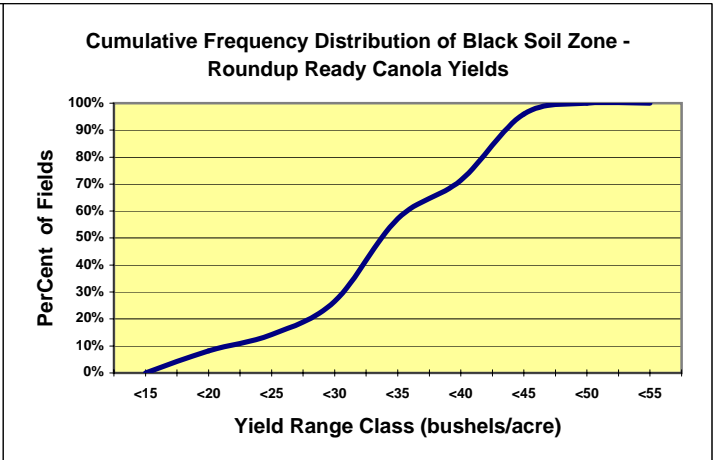
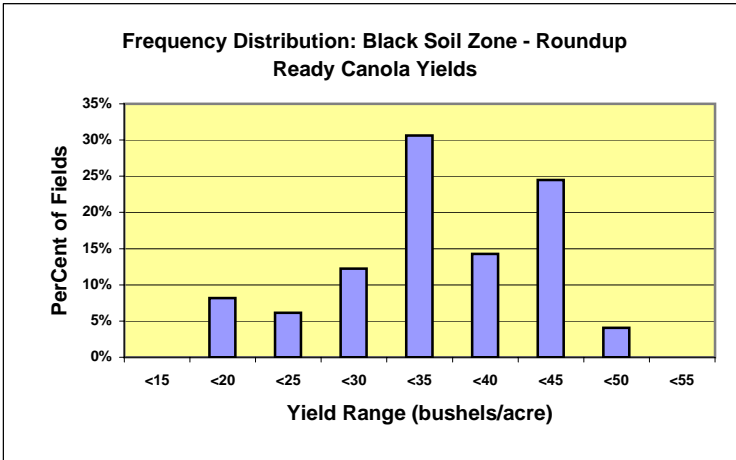
Black Soil Zone - Malt Barley: 2003



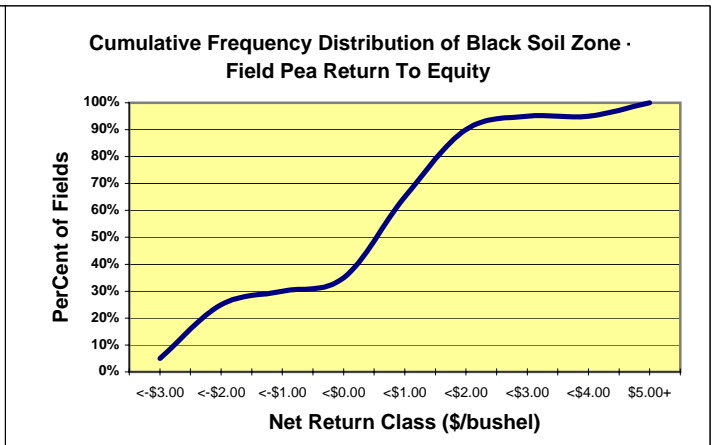
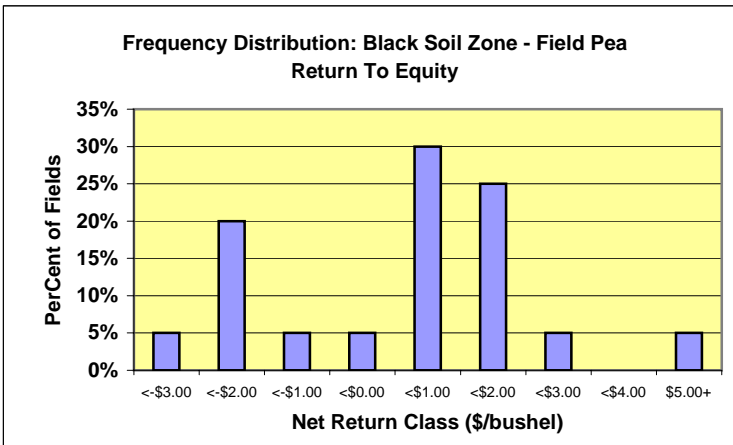
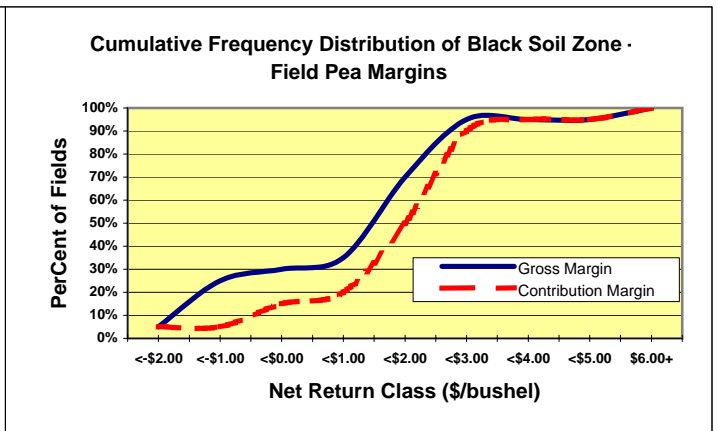
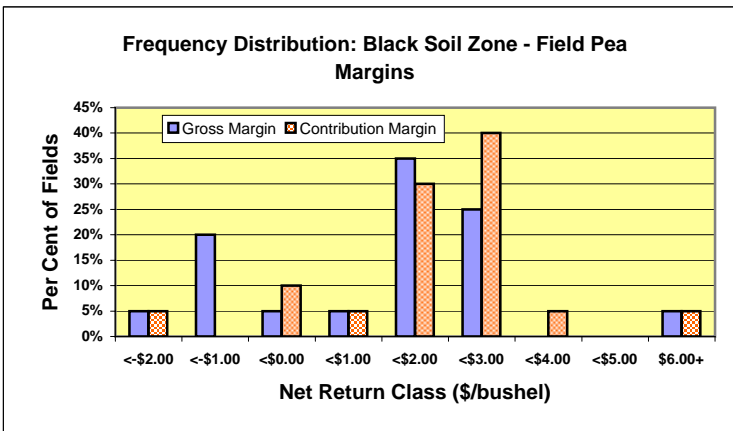
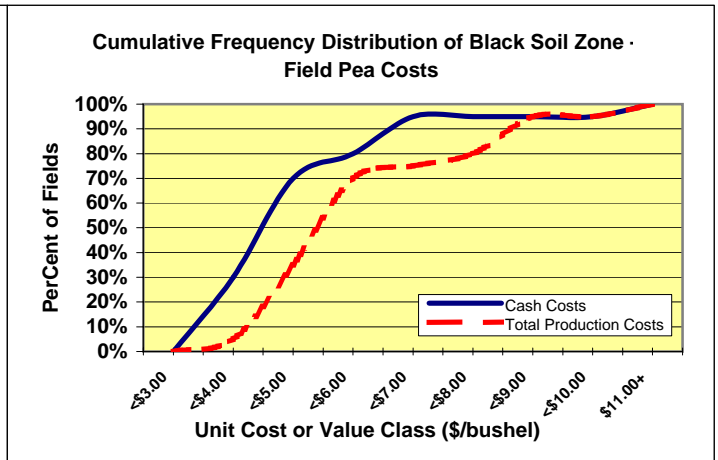
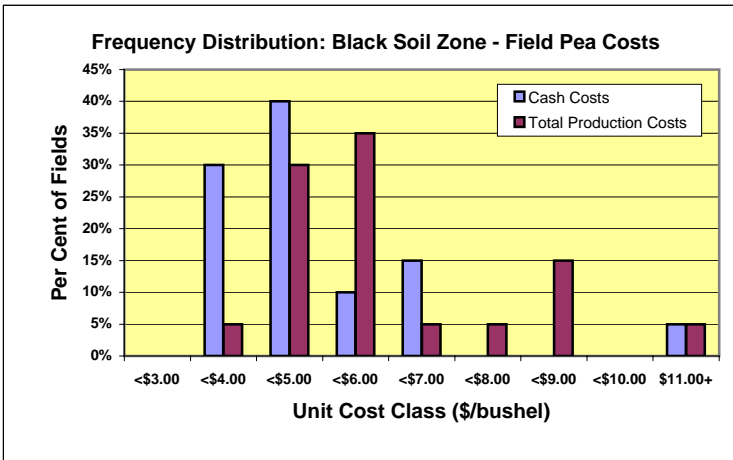
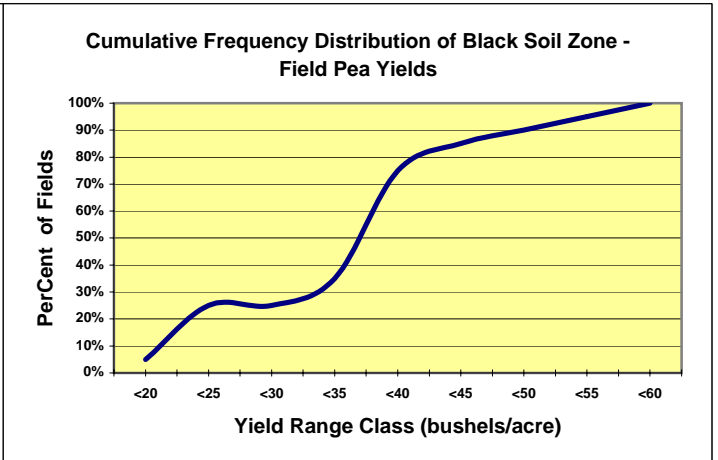
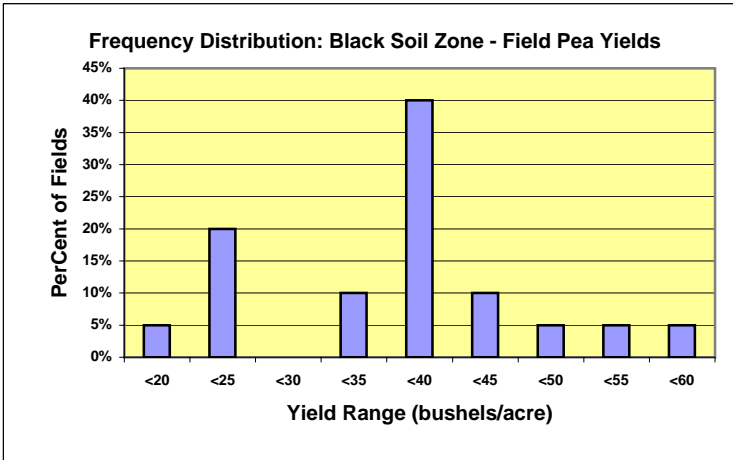
Black Soil Zone - Feed Barley: 2003



Black Soil Zone - Roundup Ready Canola: 2003

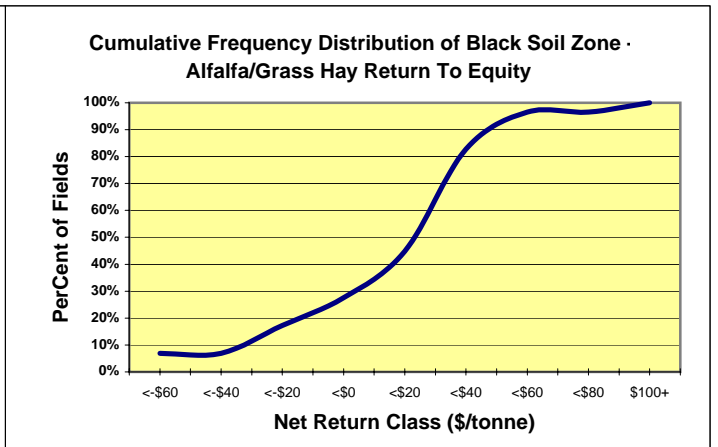
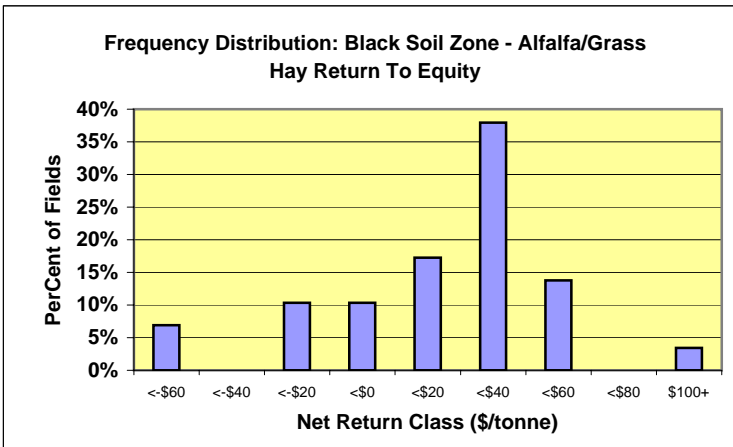
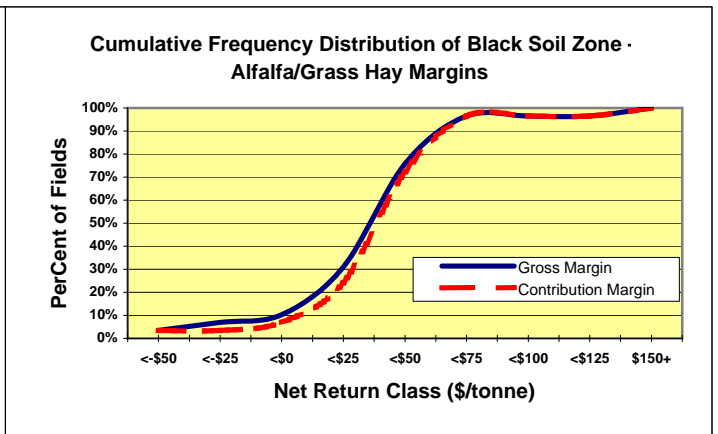
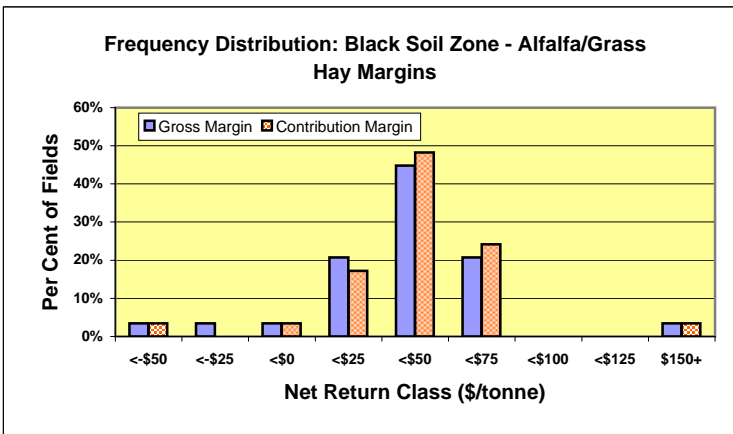
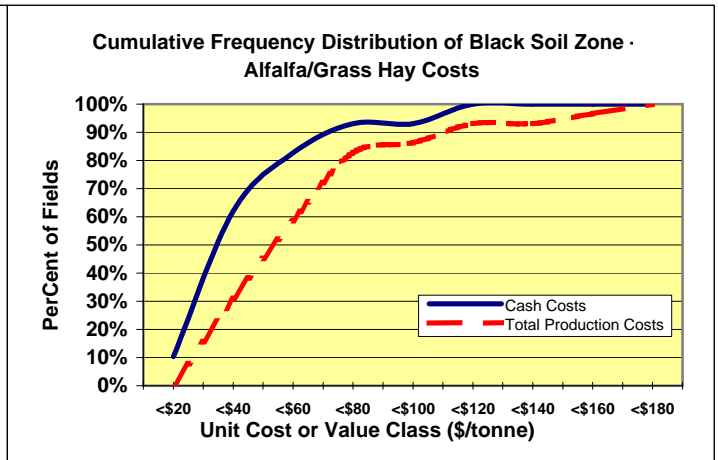
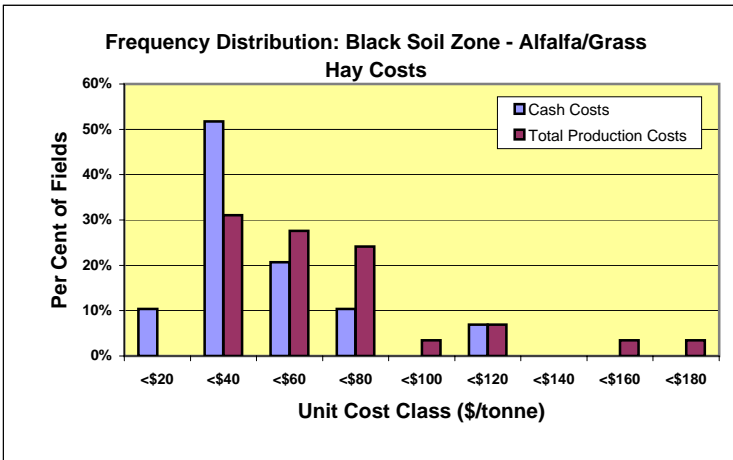
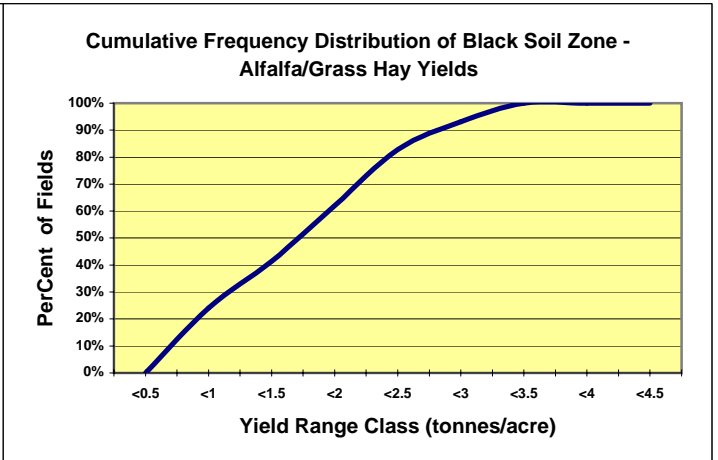
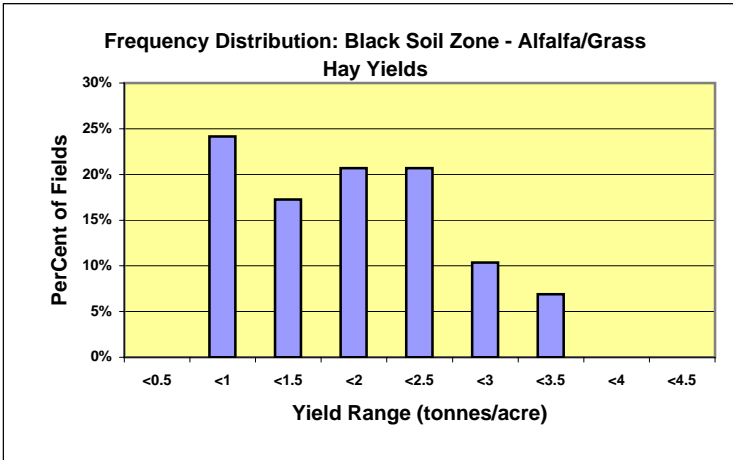


Black Soil Zone - Field Pea: 2003

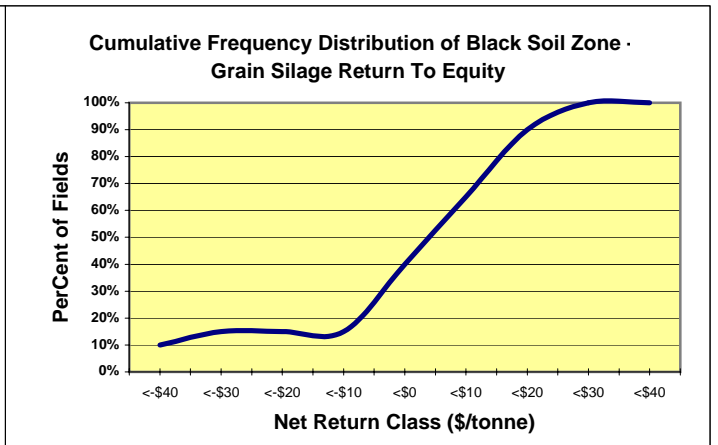
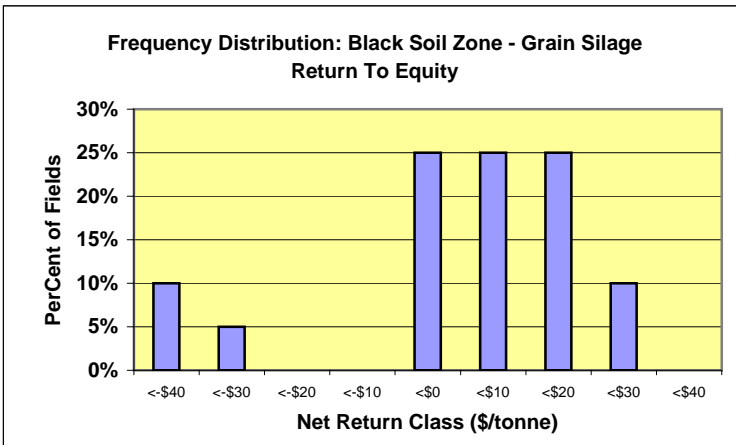
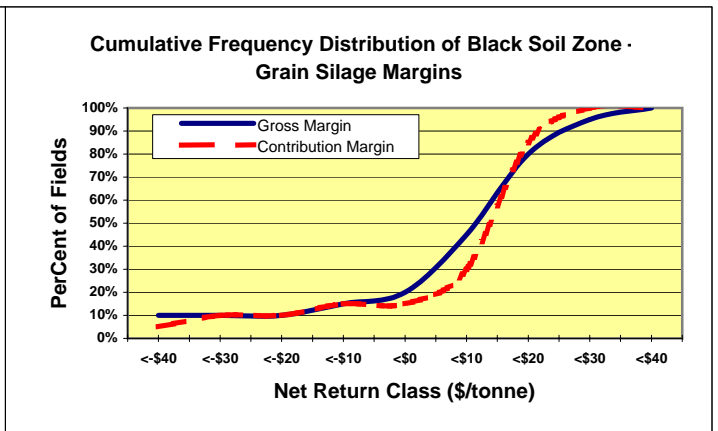
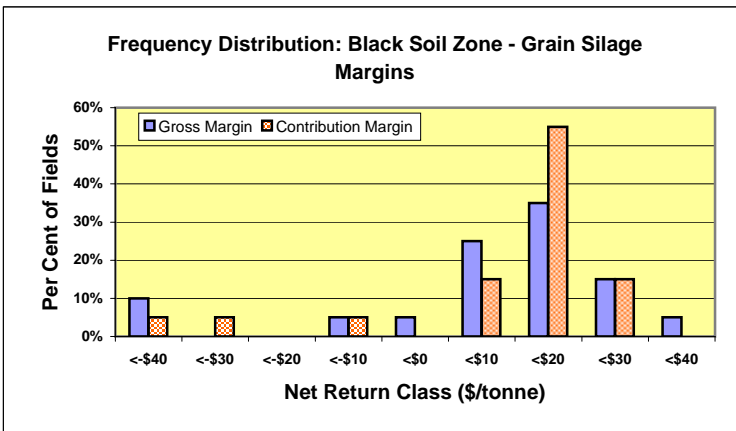
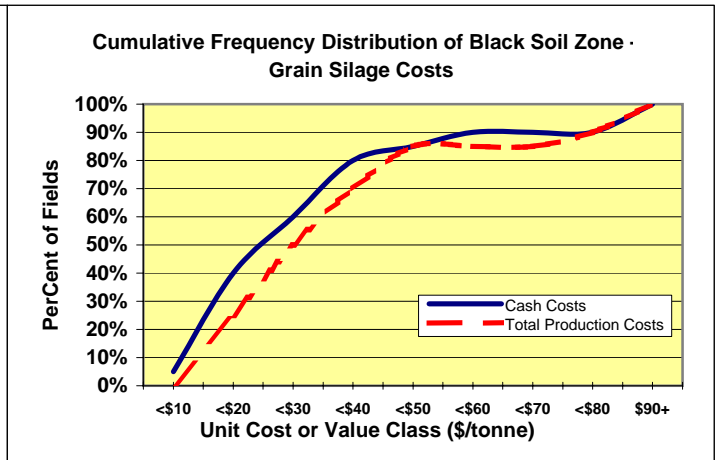
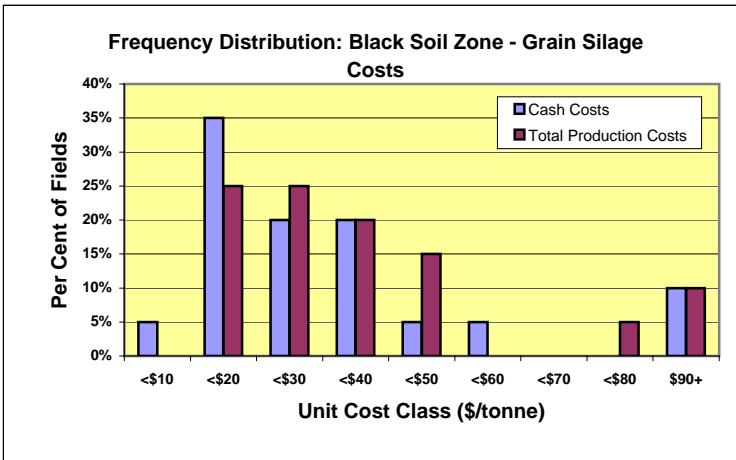
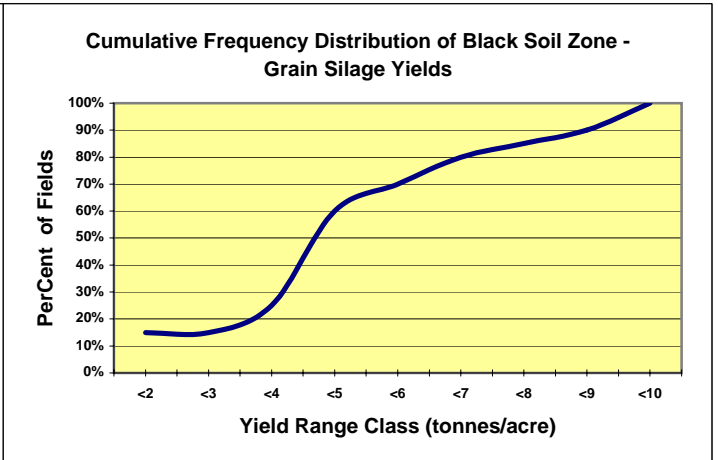
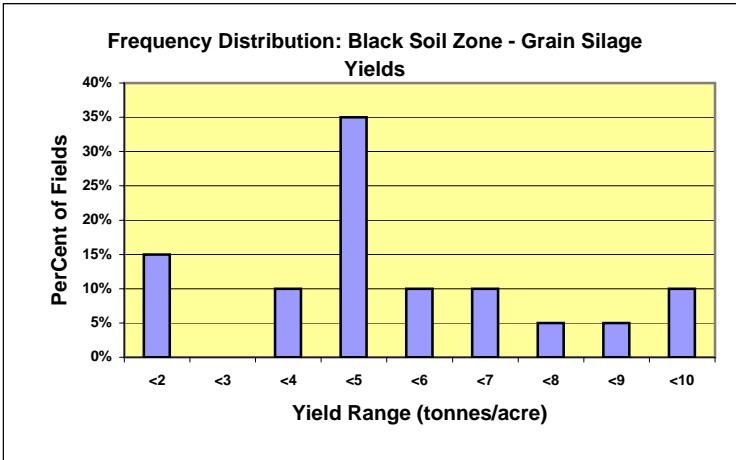


Black Soil Zone - Alfalfa/Grass Hay: 2003

AgriProfit\$



Black Soil Zone - Grain Silage: 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