

AgriProfit\$

**Cost and Return Profiles for
Selected Crops, 2002
*Black Soil Zone***

November, 2005

Alberta
AGRICULTURE, FOOD AND
RURAL DEVELOPMENT



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OVERVIEW

2002 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 2002 program season.

For questions regarding this document please contact:

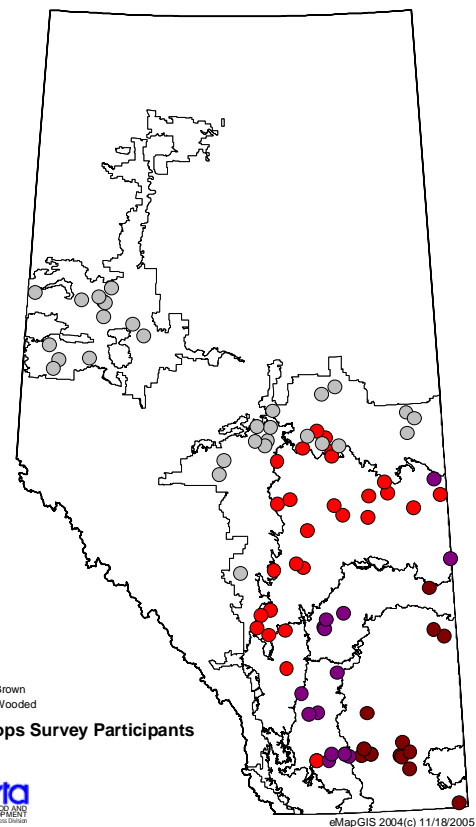
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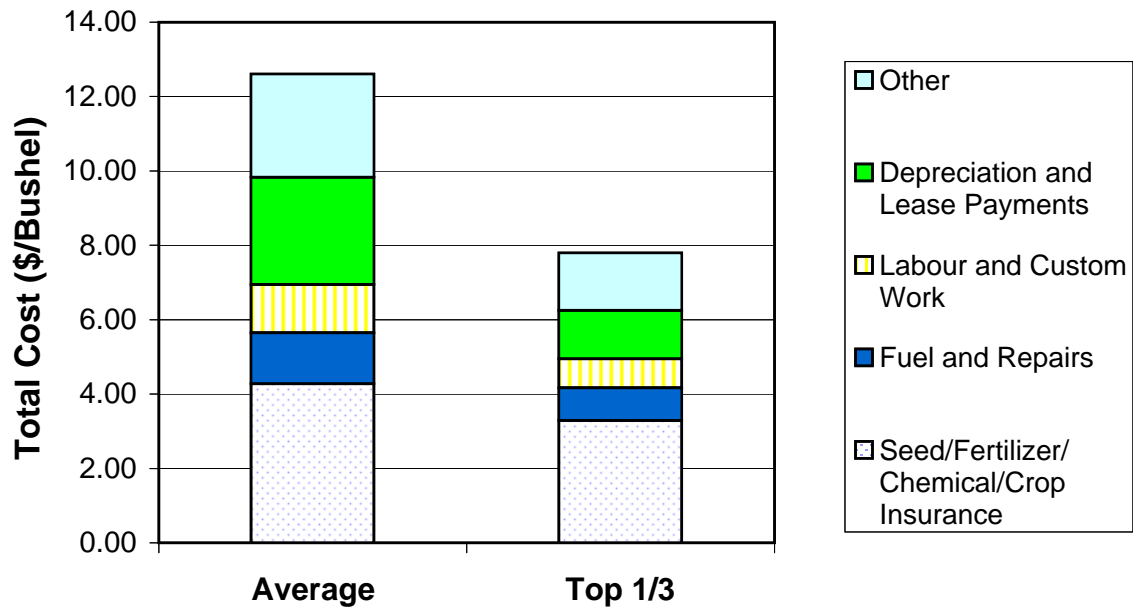
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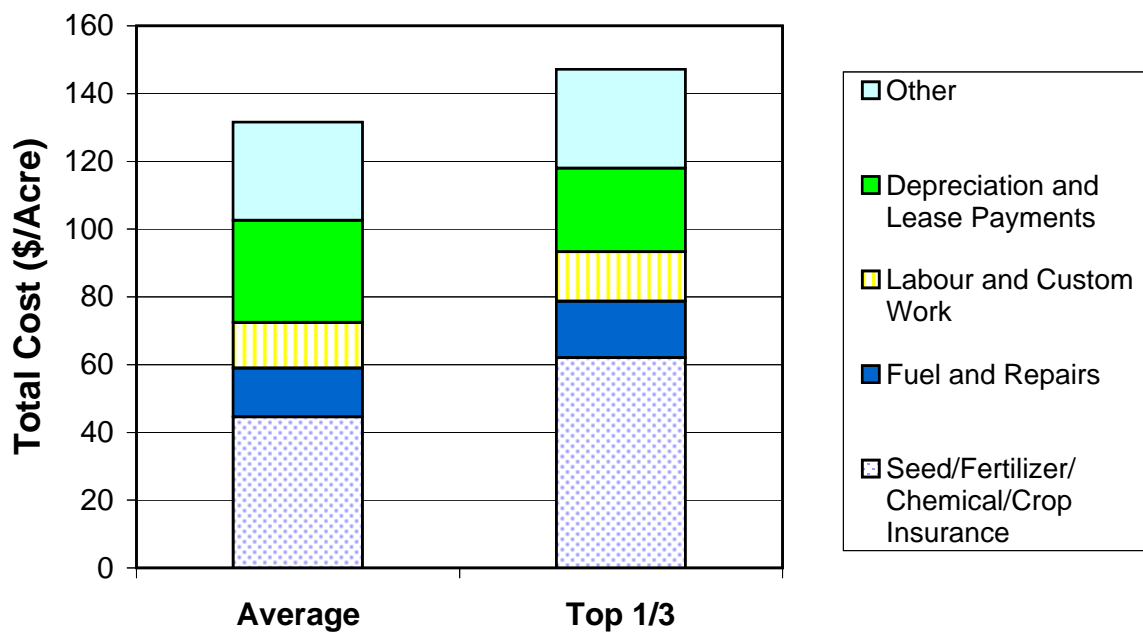
2002 Spring Wheat on Black Soil

Total Cost (\$/Bushel)



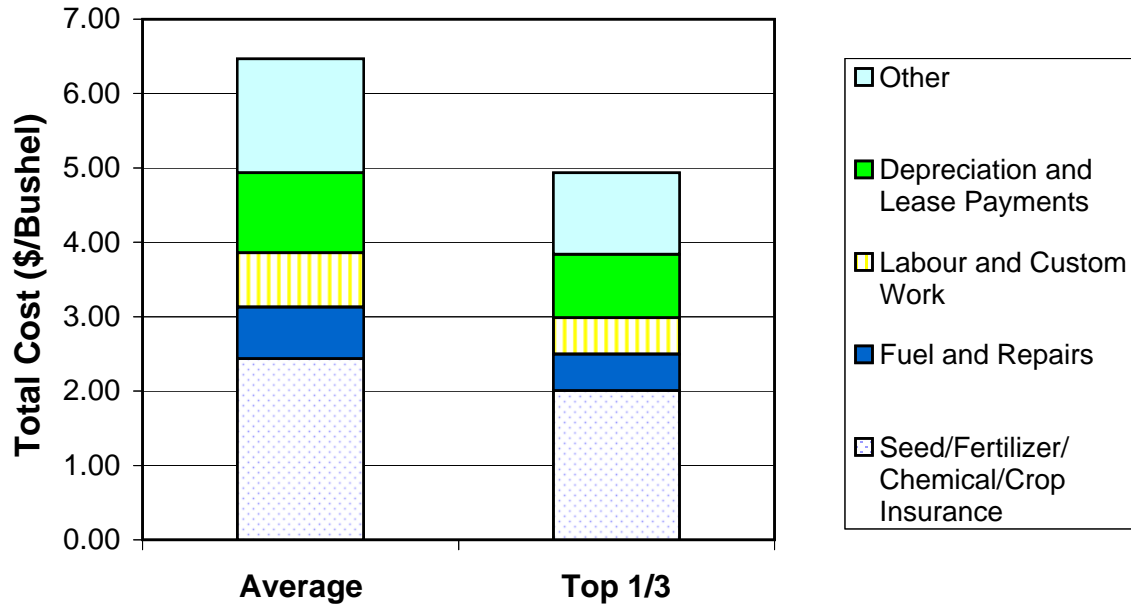
2002 Spring Wheat on Black Soil

Total Cost (\$/Acre)



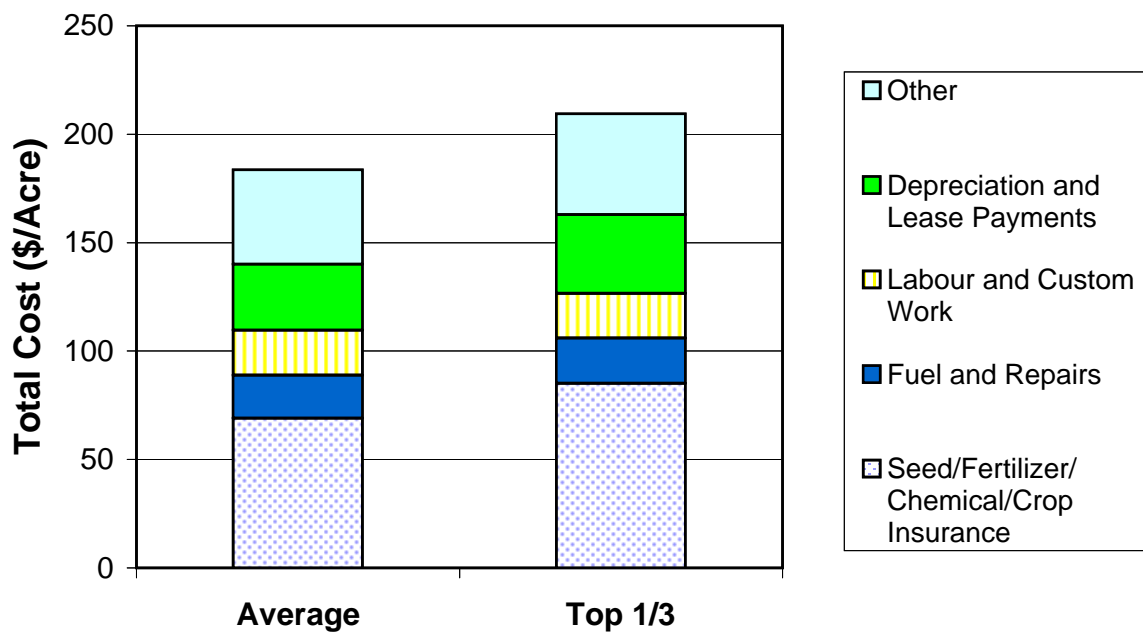
2002 Feed Barley on Black Soil

Total Cost (\$/Bushel)



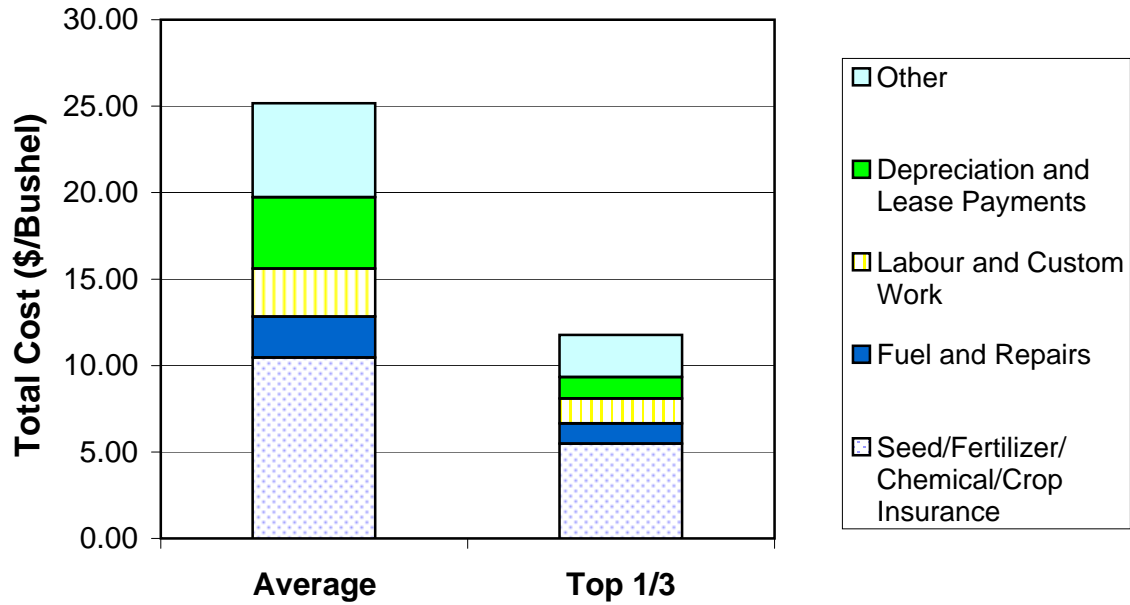
2002 Feed Barley on Black Soil

Total Cost (\$/Acre)



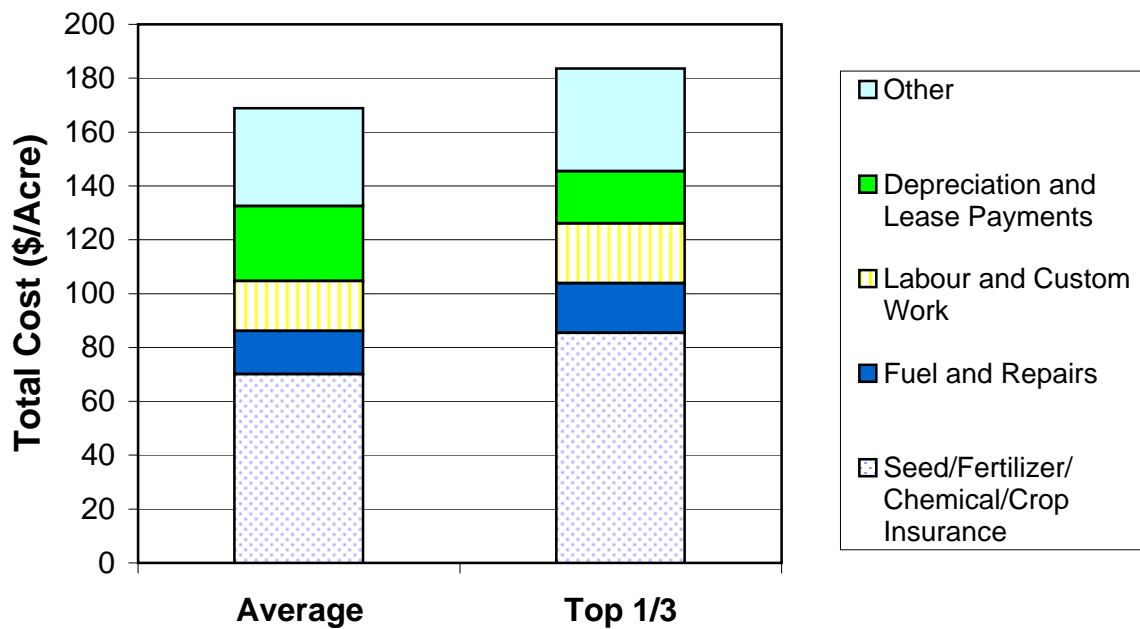
2002 RR Canola on Black Soil

Total Cost (\$/Bushel)



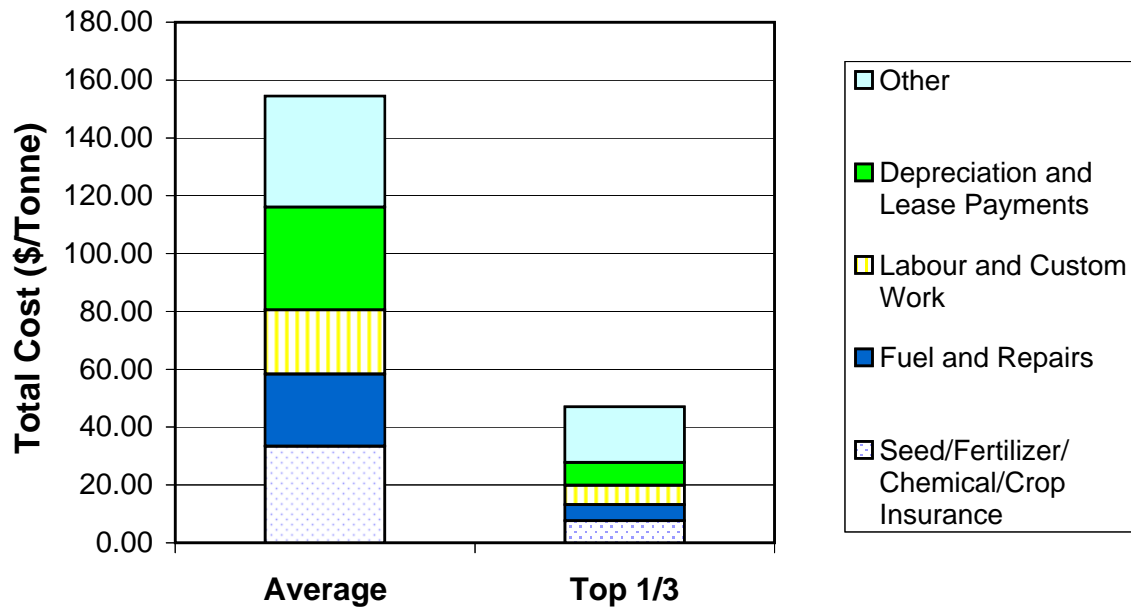
2002 RR Canola on Black Soil

Total Cost (\$/Acre)



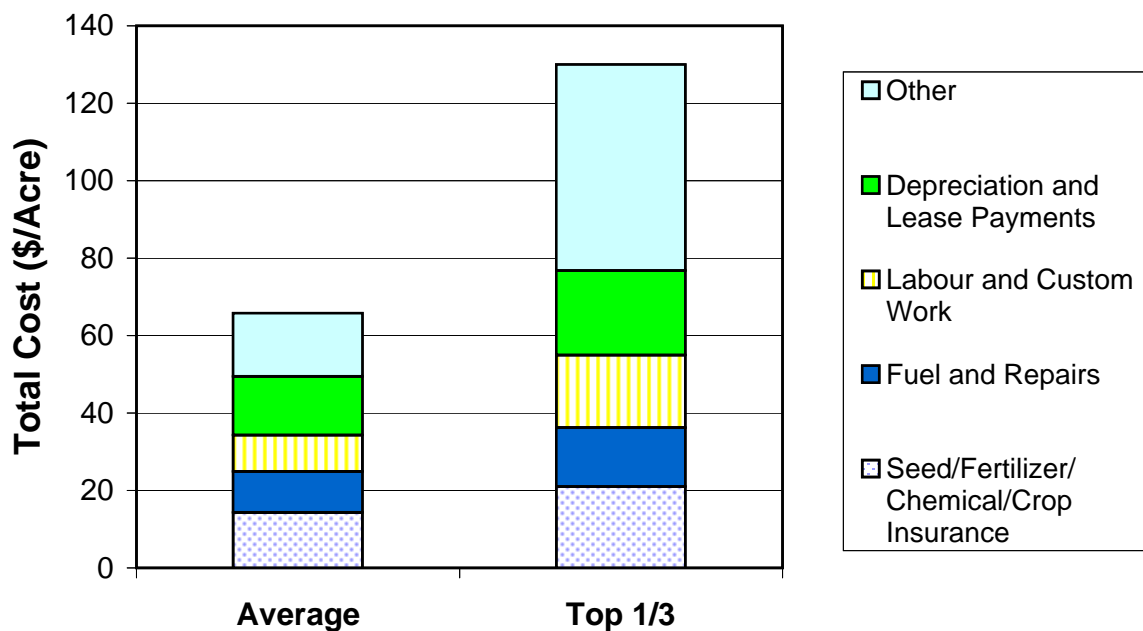
2002 Alfalfa/Grass Hay on Black Soil

Total Cost (\$/Tonne)



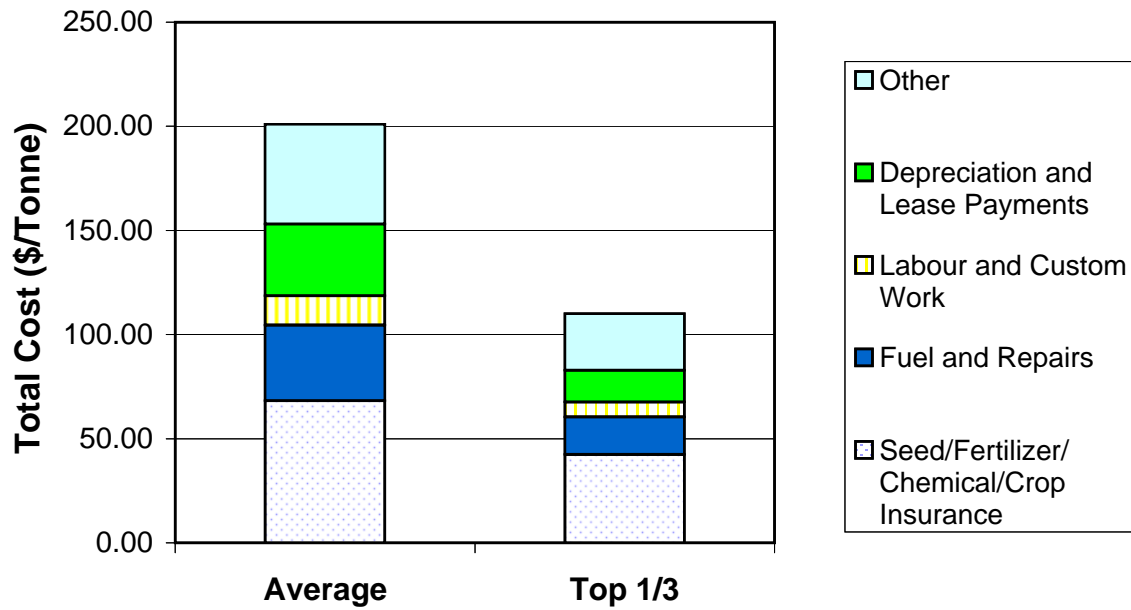
2002 Alfalfa/Grass Hay on Black Soil

Total Cost (\$/Acre)



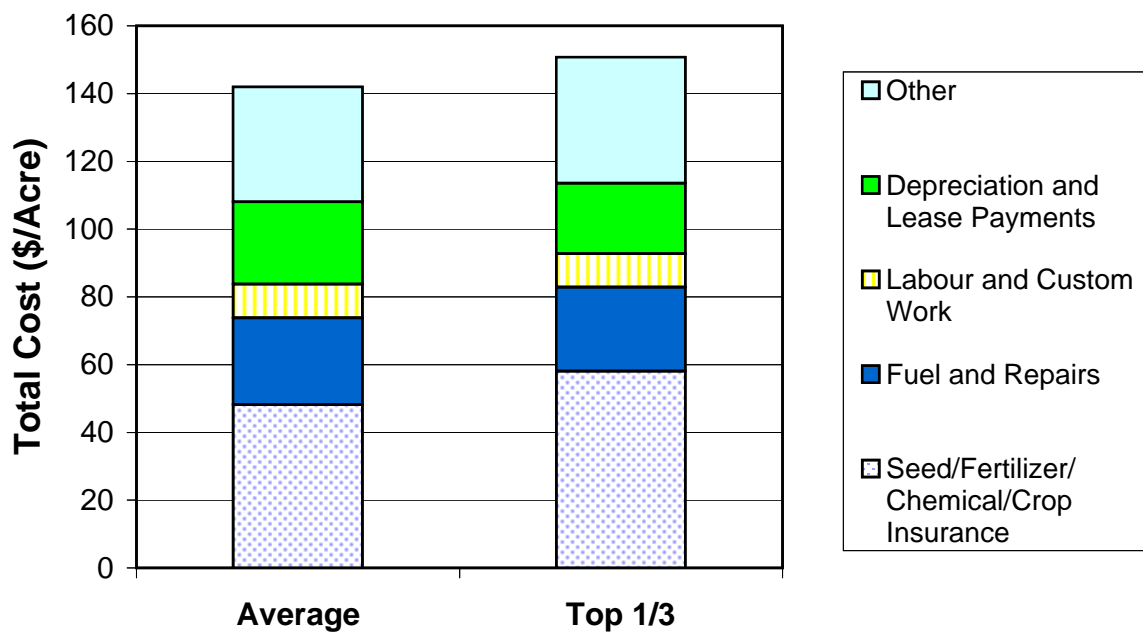
2002 Greenfeed on Black Soil

Total Cost (\$/Tonne)



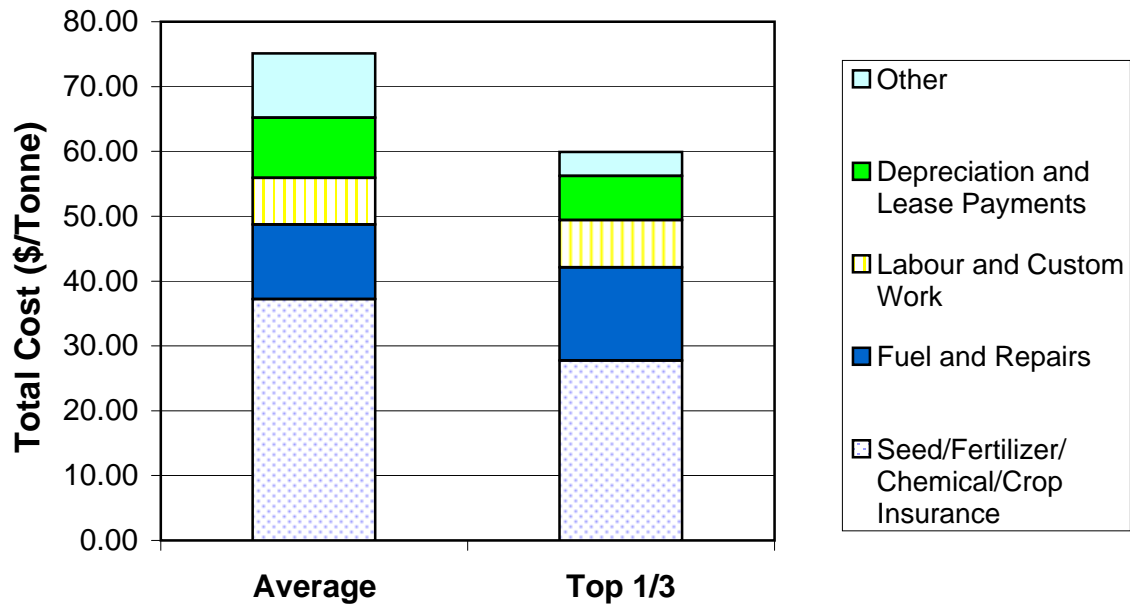
2002 Greenfeed on Black Soil

Total Cost (\$/Acre)



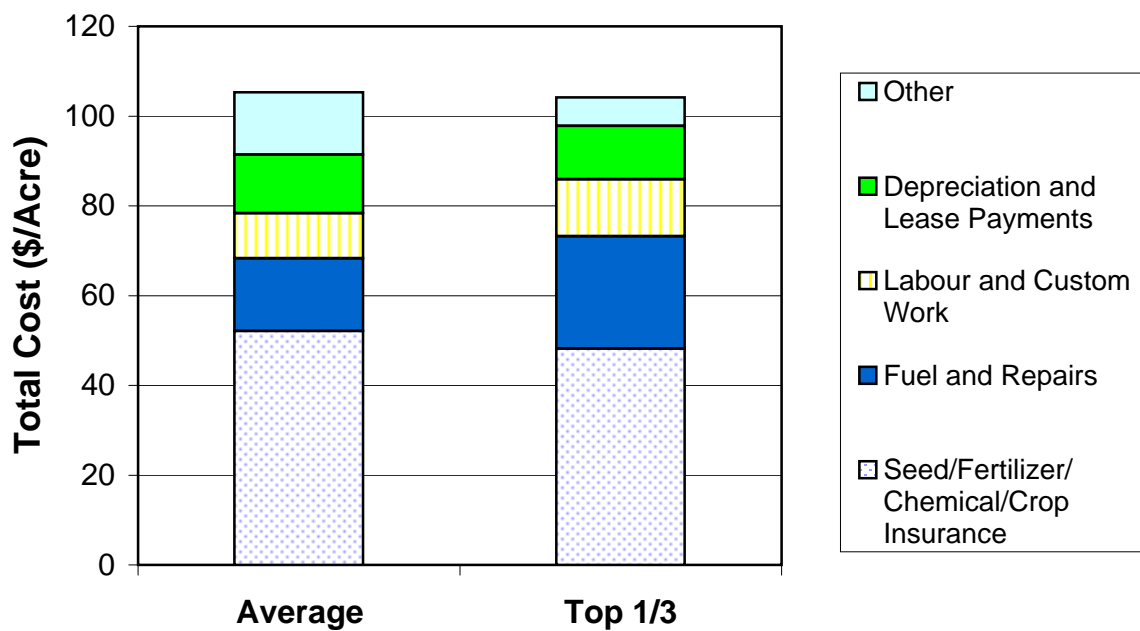
2002 Grain Silage on Black Soil

Total Cost (\$/Tonne)



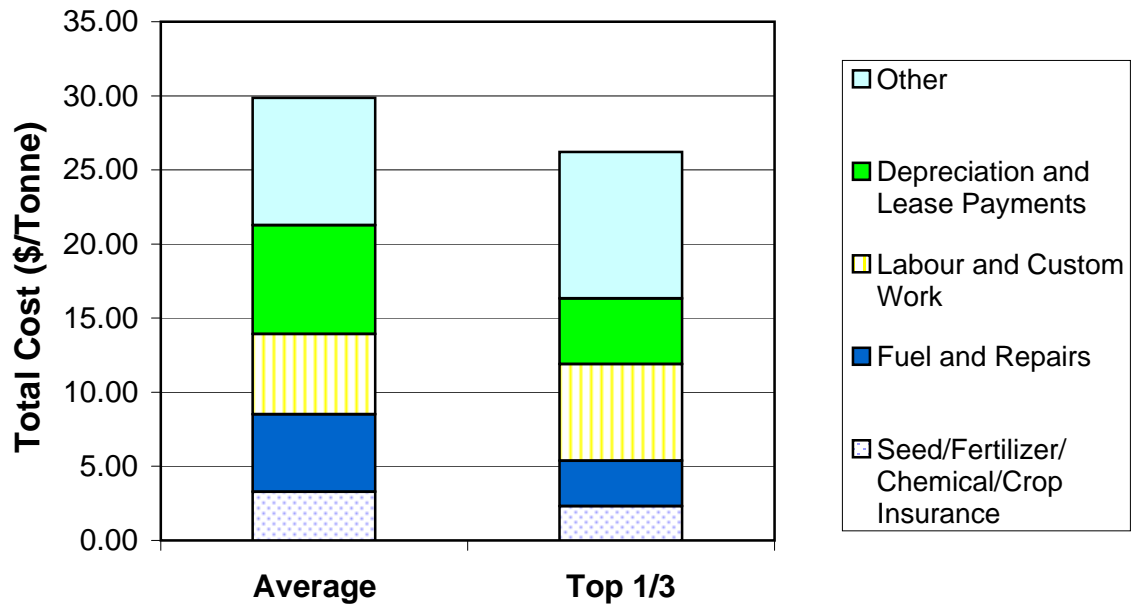
2002 Grain Silage on Black Soil

Total Cost (\$/Acre)



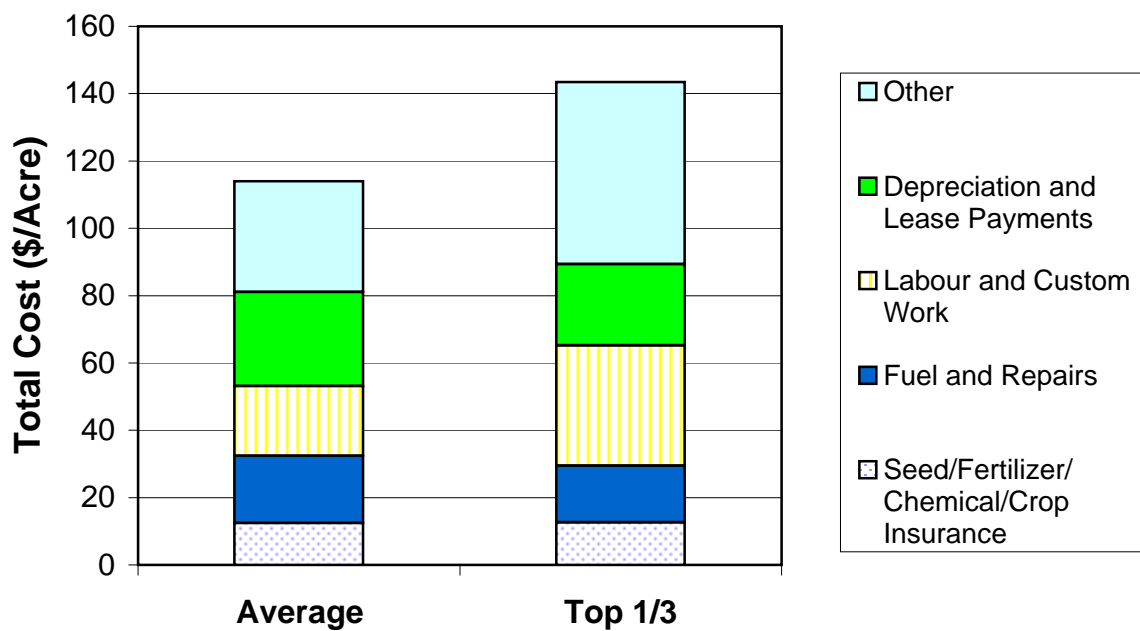
2002 Haylage on Black Soil

Total Cost (\$/Tonne)



2002 Haylage on Black Soil

Total Cost (\$/Acre)



2002 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	64.09	113.18	6.14	6.00
	2. Crop Insurance Receipts	32.24	58.94	3.09	3.12
	3. Other Receipts	8.29	15.45	0.79	0.82
Gross Receipts		104.63	187.57	10.02	9.94
(B)	Cost Items				
	1. Seed	12.42	11.51	1.19	0.61
	2. Fertilizer	21.28	27.80	2.04	1.47
	3. Chemical	6.64	13.36	0.64	0.71
	4. Hail/Crop Insurance Premium	4.28	9.35	0.41	0.50
	5. Trucking and Marketing	0.35	0.91	0.03	0.05
	6. Fuel	7.65	9.15	0.73	0.49
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	6.32	7.24	0.61	0.38
	9. Repairs - Buildings	0.33	0.22	0.03	0.01
	10. Utilities and Miscellaneous	4.25	4.65	0.41	0.25
	11. Custom Work	1.15	1.34	0.11	0.07
	12. Operating Interest Paid	0.52	1.06	0.05	0.06
	13. Paid Labour	2.21	5.20	0.21	0.28
	14. Unpaid Labour	10.21	8.16	0.98	0.43
Variable Costs		77.62	99.95	7.44	5.30
(C)	1. Cash/ Share Land Rent	18.41	15.37	1.76	0.81
	2. Taxes, Water Rates, License & Ins.	3.69	4.77	0.35	0.25
	3. Equipment and Building: a) Depreciation	30.02	24.62	2.88	1.30
	b) Lease Payments	0.04	0.00	0.00	0.00
	4. Paid Capital Interest	1.77	2.44	0.17	2.50
Capital Costs		53.93	47.20	5.17	4.87
(D)	Cash Costs (B+C-B14-C3a)	91.32	114.37	8.75	8.43
(E)	Total Production Costs (B+C)	131.54	147.15	12.60	10.17
	Gross Margin (A-D)	13.31	73.20	1.28	1.51
	Return to Unpaid Labour (A-E+B14)	(16.71)	48.58	(1.60)	0.20
	Return to Investment (A-E+C4)	(25.15)	42.86	(2.41)	2.27
	Return to Equity (A-E)	(26.92)	40.42	(2.58)	(0.23)

Investment

Buildings	61.28	49.31
Machinery	300.83	243.50
Irrigation Machinery	0.00	0.00
Total (incl. Land)	892.90	1134.47

Management

Average Yield	(Bushel/acre)	10.44	18.87
Expected Market Price	(\$/Bushel)	6.14	6.00

2002 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	66.67	107.26	6.07	6.10
	2. Crop Insurance Receipts	43.31	76.56	3.94	4.36
	3. Other Receipts	13.20	22.17	1.20	1.26
Gross Receipts		123.19	205.99	11.21	11.72
(B)	Cost Items				
	1. Seed	12.02	11.35	1.09	0.65
	2. Fertilizer	21.25	30.58	1.93	1.74
	3. Chemical	5.97	11.40	0.54	0.65
	4. Hail/Crop Insurance Premium	4.76	9.68	0.43	0.55
	5. Trucking and Marketing	0.48	1.13	0.04	0.06
	6. Fuel	9.18	8.64	0.84	0.49
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	8.34	7.98	0.76	0.45
	9. Repairs - Buildings	0.52	0.26	0.05	0.01
	10. Utilities and Miscellaneous	5.25	5.53	0.48	0.31
	11. Custom Work	1.51	1.88	0.14	0.11
	12. Operating Interest Paid	0.72	1.42	0.07	0.08
	13. Paid Labour	2.02	3.79	0.18	0.22
	14. Unpaid Labour	10.52	9.06	0.96	0.52
Variable Costs		82.54	102.70	7.51	5.84
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	6.52	8.09	0.59	0.46
	3. Equipment and Building: a) Depreciation	42.46	28.69	3.86	1.63
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	2.77	3.73	0.25	2.30
Capital Costs		51.74	40.51	4.71	4.40
(D)	Cash Costs (B+C-B14-C3a)	81.30	105.46	7.40	8.09
(E)	Total Production Costs (B+C)	134.29	143.21	12.22	10.24
	Gross Margin (A-D)	41.89	100.52	3.81	3.63
	Return to Unpaid Labour (A-E+B14)	(0.58)	71.84	(0.05)	1.99
	Return to Investment (A-E+C4)	(8.33)	66.51	(0.76)	3.78
	Return to Equity (A-E)	(11.10)	62.78	(1.01)	1.48

Investment

Buildings	89.04	66.46
Machinery	425.34	280.60
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1647.65	2033.03

Management

Average Yield	(Bushel/acre)	10.99	17.58
Expected Market Price	(\$/Bushel)	6.07	6.10

2002 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	61.81	119.08	6.21	5.91
	2. Crop Insurance Receipts	22.49	41.38	2.26	2.05
	3. Other Receipts	3.97	8.75	0.40	0.43
	Gross Receipts	88.28	169.21	8.87	8.39
(B)	Cost Items				
	1. Seed	12.77	11.67	1.28	0.58
	2. Fertilizer	21.31	25.03	2.14	1.24
	3. Chemical	7.23	15.32	0.73	0.76
	4. Hail/Crop Insurance Premium	3.86	9.02	0.39	0.45
	5. Trucking and Marketing	0.24	0.69	0.02	0.03
	6. Fuel	6.30	9.67	0.63	0.48
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	4.55	6.50	0.46	0.32
	9. Repairs - Buildings	0.16	0.18	0.02	0.01
	10. Utilities and Miscellaneous	3.37	3.77	0.34	0.19
	11. Custom Work	0.84	0.81	0.08	0.04
	12. Operating Interest Paid	0.35	0.69	0.03	0.03
	13. Paid Labour	2.38	6.60	0.24	0.33
	14. Unpaid Labour	9.93	7.27	1.00	0.36
	Variable Costs	73.28	97.21	7.36	4.82
(C)	1. Cash/ Share Land Rent	34.63	30.70	3.48	1.52
	2. Taxes, Water Rates, License & Ins.	1.20	1.45	0.12	0.07
	3. Equipment and Building: a) Depreciation	19.06	20.57	1.92	1.02
	b) Lease Payments	0.07	0.00	0.01	0.00
	4. Paid Capital Interest	0.89	1.15	0.09	2.67
	Capital Costs	55.85	53.87	5.61	5.29
(D)	Cash Costs (B+C-B14-C3a)	100.14	123.25	10.06	8.73
(E)	Total Production Costs (B+C)	129.13	151.08	12.97	10.11
	Gross Margin (A-D)	(11.86)	45.96	(1.19)	(0.33)
	Return to Unpaid Labour (A-E+B14)	(30.92)	25.40	(3.11)	(1.36)
	Return to Investment (A-E+C4)	(39.96)	19.28	(4.02)	0.96
	Return to Equity (A-E)	(40.85)	18.13	(4.10)	(1.72)

Investment

Buildings	36.82	32.22
Machinery	191.14	206.51
Irrigation Machinery	0.00	0.00
Total (incl. Land)	227.96	238.73

Management

Average Yield	(Bushel/acre)	9.95	20.16
Expected Market Price	(\$/Bushel)	6.21	5.91

2002 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	87.48	138.93	4.44	4.42
	2. Crop Insurance Receipts	20.40	58.33	1.04	1.86
	3. Other Receipts	3.12	0.46	0.16	0.01
	Gross Receipts	111.00	197.72	5.64	6.29
(B)	Cost Items				
	1. Seed	11.45	11.33	0.58	0.36
	2. Fertilizer	24.64	30.66	1.25	0.98
	3. Chemical	15.83	21.45	0.80	0.68
	4. Hail/Crop Insurance Premium	1.41	3.93	0.07	0.12
	5. Trucking and Marketing	0.89	3.30	0.05	0.10
	6. Fuel	10.02	10.75	0.51	0.34
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	7.35	9.38	0.37	0.30
	9. Repairs - Buildings	0.68	1.79	0.03	0.06
	10. Utilities and Miscellaneous	4.95	12.24	0.25	0.39
	11. Custom Work	2.48	1.75	0.13	0.06
	12. Operating Interest Paid	1.48	0.86	0.08	0.03
	13. Paid Labour	7.60	5.24	0.39	0.17
	14. Unpaid Labour	10.40	9.47	0.53	0.30
	Variable Costs	99.18	122.14	5.04	3.89
(C)	1. Cash/ Share Land Rent	19.44	10.71	0.99	0.34
	2. Taxes, Water Rates, License & Ins.	2.83	5.04	0.14	0.16
	3. Equipment and Building: a) Depreciation	19.77	24.82	1.00	0.79
	b) Lease Payments	0.61	0.00	0.03	0.00
4. Paid Capital Interest	1.61	5.12	0.08	1.45	
	Capital Costs	44.26	45.69	2.25	2.75
(D)	Cash Costs (B+C-B14-C3a)	113.27	133.54	5.76	5.54
(E)	Total Production Costs (B+C)	143.44	167.83	7.29	6.63
	Gross Margin (A-D)	(2.27)	64.18	(0.12)	0.75
	Return to Unpaid Labour (A-E+B14)	(22.04)	39.36	(1.12)	(0.04)
	Return to Investment (A-E+C4)	(30.83)	35.00	(1.57)	1.11
	Return to Equity (A-E)	(32.44)	29.89	(1.65)	(0.34)

Investment

Buildings	19.54	39.49
Machinery	205.78	254.41
Irrigation Machinery	0.00	0.00
Total (incl. Land)	713.70	1531.76

Management

Average Yield	(Bushel/acre)	19.68	31.43
Expected Market Price	(\$/Bushel)	4.44	4.42

2002 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	83.78	--	4.30	--
	2. Crop Insurance Receipts	12.67	--	0.65	--
	3. Other Receipts	3.69	--	0.19	--
	Gross Receipts	100.14	0.00	5.14	0.00
(B)	Cost Items				
	1. Seed	10.85	--	0.56	--
	2. Fertilizer	23.15	--	1.19	--
	3. Chemical	11.33	--	0.58	--
	4. Hail/Crop Insurance Premium	0.79	--	0.04	--
	5. Trucking and Marketing	1.81	--	0.09	--
	6. Fuel	7.80	--	0.40	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	5.87	--	0.30	--
	9. Repairs - Buildings	0.33	--	0.02	--
	10. Utilities and Miscellaneous	4.54	--	0.23	--
	11. Custom Work	0.72	--	0.04	--
	12. Operating Interest Paid	0.63	--	0.03	--
	13. Paid Labour	3.64	--	0.19	--
	14. Unpaid Labour	12.86	--	0.66	--
	Variable Costs	84.32	0.00	4.33	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	4.47	--	0.23	--
	3. Equipment and Building: a) Depreciation	19.07	--	0.98	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	4.14	--	0.21	--
	Capital Costs	27.68	0.00	1.42	0.00
(D)	Cash Costs (B+C-B14-C3a)	80.08	--	4.11	--
(E)	Total Production Costs (B+C)	112.01	--	5.75	--
	Gross Margin (A-D)	20.06	--	1.03	--
	Return to Unpaid Labour (A-E+B14)	0.99	--	0.05	--
	Return to Investment (A-E+C4)	(7.72)	--	(0.40)	--
	Return to Equity (A-E)	(11.87)	--	(0.61)	--

Investment

Buildings	33.55	--
Machinery	190.75	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1481.33	--

Management

Average Yield	(Bushel/acre)	19.48	--
Expected Market Price	(\$/Bushel)	4.30	--

2002 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	89.83	--	4.54	--
	2. Crop Insurance Receipts	25.31	--	1.28	--
	3. Other Receipts	2.76	--	0.14	--
Gross Receipts		117.90	0.00	5.95	0.00
(B)	Cost Items				
	1. Seed	11.84	--	0.60	--
	2. Fertilizer	25.58	--	1.29	--
	3. Chemical	18.68	--	0.94	--
	4. Hail/Crop Insurance Premium	1.80	--	0.09	--
	5. Trucking and Marketing	0.31	--	0.02	--
	6. Fuel	11.43	--	0.58	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	8.29	--	0.42	--
	9. Repairs - Buildings	0.90	--	0.05	--
	10. Utilities and Miscellaneous	5.21	--	0.26	--
	11. Custom Work	3.61	--	0.18	--
	12. Operating Interest Paid	2.02	--	0.10	--
	13. Paid Labour	10.11	--	0.51	--
	14. Unpaid Labour	8.83	--	0.45	--
Variable Costs		108.62	0.00	5.48	0.00
(C)	1. Cash/ Share Land Rent	31.78	--	1.60	--
	2. Taxes, Water Rates, License & Ins.	1.79	--	0.09	--
	3. Equipment and Building: a) Depreciation	20.22	--	1.02	--
	b) Lease Payments	0.99	--	0.05	--
	4. Paid Capital Interest	0.00	--	0.00	--
Capital Costs		54.79	0.00	2.77	0.00
(D)	Cash Costs (B+C-B14-C3a)	134.36	--	6.78	--
(E)	Total Production Costs (B+C)	163.41	--	8.25	--
	Gross Margin (A-D)	(16.46)	--	(0.83)	--
	Return to Unpaid Labour (A-E+B14)	(36.68)	--	(1.85)	--
	Return to Investment (A-E+C4)	(45.52)	--	(2.30)	--
	Return to Equity (A-E)	(45.52)	--	(2.30)	--

Investment

Buildings	10.65	--
Machinery	215.33	--
Irrigation Machinery	0.00	--
Total (incl. Land)	225.98	--

Management

Average Yield	(Bushel/acre)	19.81	--
Expected Market Price	(\$/Bushel)	4.54	--

2002 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	236.91	289.46	4.09	4.18
	2. Crop Insurance Receipts	20.13	2.90	0.35	0.04
	3. Other Receipts	12.48	12.85	0.22	0.19
Gross Receipts		269.52	305.21	4.65	4.40
(B)	Cost Items				
	1. Seed	12.25	12.58	0.21	0.18
	2. Fertilizer	32.54	31.92	0.56	0.46
	3. Chemical	18.68	21.00	0.32	0.30
	4. Hail/Crop Insurance Premium	8.83	11.08	0.15	0.16
	5. Trucking and Marketing	1.59	0.00	0.03	0.00
	6. Fuel	8.59	8.10	0.15	0.12
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	7.88	5.64	0.14	0.08
	9. Repairs - Buildings	0.08	0.00	0.00	0.00
	10. Utilities and Miscellaneous	6.33	3.66	0.11	0.05
	11. Custom Work	1.15	0.00	0.02	0.00
	12. Operating Interest Paid	1.15	0.75	0.02	0.01
	13. Paid Labour	2.66	3.56	0.05	0.05
	14. Unpaid Labour	13.01	12.25	0.22	0.18
Variable Costs		114.75	110.54	1.98	1.59
(C)	1. Cash/ Share Land Rent	23.01	24.75	0.40	0.36
	2. Taxes, Water Rates, License & Ins.	4.09	4.39	0.07	0.06
	3. Equipment and Building: a) Depreciation	36.70	35.81	0.63	0.52
	b) Lease Payments	0.68	1.00	0.01	0.01
	4. Paid Capital Interest	14.61	17.25	0.25	1.20
Capital Costs		79.08	83.20	1.37	2.15
(D)	Cash Costs (B+C-B14-C3a)	144.12	145.68	2.49	3.05
(E)	Total Production Costs (B+C)	193.83	193.74	3.35	3.75
	Gross Margin (A-D)	125.40	159.53	2.17	1.35
	Return to Unpaid Labour (A-E+B14)	88.70	123.72	1.53	0.83
	Return to Investment (A-E+C4)	90.29	128.72	1.56	1.86
	Return to Equity (A-E)	75.69	111.47	1.31	0.66

Investment

Buildings	100.38	90.55
Machinery	363.42	364.28
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1491.05	1829.83

Management

Average Yield	(Bushel/acre)	57.92	69.32
Expected Market Price	(\$/Bushel)	4.09	4.18

2002 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	235.42	--	4.10	--
	2. Crop Insurance Receipts	5.42	--	0.09	--
	3. Other Receipts	14.31	--	0.25	--
Gross Receipts		255.14	0.00	4.44	0.00
(B)	Cost Items				
	1. Seed	11.64	--	0.20	--
	2. Fertilizer	34.60	--	0.60	--
	3. Chemical	17.15	--	0.30	--
	4. Hail/Crop Insurance Premium	8.65	--	0.15	--
	5. Trucking and Marketing	2.95	--	0.05	--
	6. Fuel	8.72	--	0.15	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	6.95	--	0.12	--
	9. Repairs - Buildings	0.14	--	0.00	--
	10. Utilities and Miscellaneous	7.14	--	0.12	--
	11. Custom Work	0.37	--	0.01	--
	12. Operating Interest Paid	1.50	--	0.03	--
	13. Paid Labour	2.48	--	0.04	--
	14. Unpaid Labour	12.90	--	0.22	--
Variable Costs		115.19	0.00	2.00	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	5.48	--	0.10	--
	3. Equipment and Building: a) Depreciation	33.79	--	0.59	--
	b) Lease Payments	0.70	--	0.01	--
	4. Paid Capital Interest	17.12	--	0.30	--
Capital Costs		57.08	0.00	0.99	0.00
(D)	Cash Costs (B+C-B14-C3a)	125.58	--	2.19	--
(E)	Total Production Costs (B+C)	172.27	--	3.00	--
	Gross Margin (A-D)	129.57	--	2.26	--
	Return to Unpaid Labour (A-E+B14)	95.78	--	1.67	--
	Return to Investment (A-E+C4)	99.99	--	1.74	--
	Return to Equity (A-E)	82.87	--	1.44	--

Investment

Buildings	93.99	--
Machinery	337.25	--
Irrigation Machinery	0.00	--
Total (incl. Land)	2332.97	--

Management

Average Yield	(Bushel/acre)	57.45	--
Expected Market Price	(\$/Bushel)	4.10	--

2002 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	238.67	--	4.08	--
	2. Crop Insurance Receipts	37.41	--	0.64	--
	3. Other Receipts	10.33	--	0.18	--
Gross Receipts		286.41	0.00	4.90	0.00
(B)	Cost Items				
	1. Seed	12.96	--	0.22	--
	2. Fertilizer	30.11	--	0.51	--
	3. Chemical	20.48	--	0.35	--
	4. Hail/Crop Insurance Premium	9.04	--	0.15	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	8.45	--	0.14	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	8.98	--	0.15	--
	9. Repairs - Buildings	0.00	--	0.00	--
	10. Utilities and Miscellaneous	5.39	--	0.09	--
	11. Custom Work	2.07	--	0.04	--
	12. Operating Interest Paid	0.74	--	0.01	--
	13. Paid Labour	2.88	--	0.05	--
	14. Unpaid Labour	13.14	--	0.22	--
Variable Costs		114.23	0.00	1.95	0.00
(C)	1. Cash/ Share Land Rent	50.04	--	0.86	--
	2. Taxes, Water Rates, License & Ins.	2.45	--	0.04	--
	3. Equipment and Building: a) Depreciation	40.12	--	0.69	--
	b) Lease Payments	0.67	--	0.01	--
	4. Paid Capital Interest	11.65	--	0.20	--
Capital Costs		104.92	0.00	1.79	0.00
(D)	Cash Costs (B+C-B14-C3a)	165.90	--	2.84	--
(E)	Total Production Costs (B+C)	219.16	--	3.75	--
	Gross Margin (A-D)	120.50	--	2.06	--
	Return to Unpaid Labour (A-E+B14)	80.39	--	1.38	--
	Return to Investment (A-E+C4)	78.90	--	1.35	--
	Return to Equity (A-E)	67.25	--	1.15	--

Investment

Buildings	107.87	--
Machinery	394.16	--
Irrigation Machinery	0.00	--
Total (incl. Land)	502.03	--

Management

Average Yield	(Bushel/acre)	58.46	--
Expected Market Price	(\$/Bushel)	4.08	--

2002 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	109.37	164.56	3.85	3.88
	2. Crop Insurance Receipts	38.01	77.80	1.34	1.83
	3. Other Receipts	10.23	15.19	0.36	0.36
Gross Receipts		157.60	257.56	5.55	6.07
(B)	Cost Items				
	1. Seed	10.35	10.81	0.36	0.25
	2. Fertilizer	33.07	33.44	1.16	0.79
	3. Chemical	18.77	28.40	0.66	0.67
	4. Hail/Crop Insurance Premium	6.93	12.51	0.24	0.29
	5. Trucking and Marketing	0.91	0.71	0.03	0.02
	6. Fuel	8.74	8.64	0.31	0.20
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	9.20	10.37	0.32	0.24
	9. Repairs - Buildings	1.80	1.84	0.06	0.04
	10. Utilities and Miscellaneous	10.02	14.81	0.35	0.35
	11. Custom Work	6.19	8.90	0.22	0.21
	12. Operating Interest Paid	1.21	0.25	0.04	0.01
	13. Paid Labour	2.15	0.97	0.08	0.02
	14. Unpaid Labour	12.43	10.84	0.44	0.26
Variable Costs		121.76	142.47	4.29	3.36
(C)	1. Cash/ Share Land Rent	21.22	21.62	0.75	0.51
	2. Taxes, Water Rates, License & Ins.	3.85	5.42	0.14	0.13
	3. Equipment and Building: a) Depreciation	30.41	35.90	1.07	0.85
	b) Lease Payments	0.08	0.26	0.00	0.01
	4. Paid Capital Interest	6.32	3.81	0.22	1.58
Capital Costs		61.88	67.01	2.18	3.07
(D)	Cash Costs (B+C-B14-C3a)	140.80	162.74	4.96	5.32
(E)	Total Production Costs (B+C)	183.64	209.48	6.47	6.42
	Gross Margin (A-D)	16.80	94.82	0.59	0.74
	Return to Unpaid Labour (A-E+B14)	(13.61)	58.91	(0.48)	(0.10)
	Return to Investment (A-E+C4)	(19.72)	51.89	(0.69)	1.22
	Return to Equity (A-E)	(26.04)	48.08	(0.92)	(0.36)

Investment

Buildings	87.03	105.51
Machinery	294.27	352.97
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1016.24	1569.18

Management

Average Yield	(Bushel/acre)	28.40	42.45
Expected Market Price	(\$/Bushel)	3.85	3.88

2002 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	117.34	173.59	3.87	4.05
	2. Crop Insurance Receipts	38.04	73.30	1.26	1.71
	3. Other Receipts	13.09	17.29	0.43	0.40
Gross Receipts		168.48	264.18	5.56	6.16
(B)	Cost Items				
	1. Seed	9.41	9.61	0.31	0.22
	2. Fertilizer	34.42	33.03	1.14	0.77
	3. Chemical	17.26	24.29	0.57	0.57
	4. Hail/Crop Insurance Premium	8.76	14.88	0.29	0.35
	5. Trucking and Marketing	0.91	0.59	0.03	0.01
	6. Fuel	9.50	11.34	0.31	0.26
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	11.66	13.46	0.38	0.31
	9. Repairs - Buildings	2.80	1.90	0.09	0.04
	10. Utilities and Miscellaneous	11.74	11.89	0.39	0.28
	11. Custom Work	4.25	8.28	0.14	0.19
	12. Operating Interest Paid	1.25	0.13	0.04	0.00
	13. Paid Labour	1.39	0.96	0.05	0.02
	14. Unpaid Labour	15.57	14.22	0.51	0.33
Variable Costs		128.90	144.59	4.26	3.37
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	6.21	7.11	0.21	0.17
	3. Equipment and Building: a) Depreciation	36.31	41.14	1.20	0.96
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	8.30	4.50	0.27	1.23
Capital Costs		50.83	52.75	1.68	2.35
(D)	Cash Costs (B+C-B14-C3a)	127.85	141.97	4.22	4.43
(E)	Total Production Costs (B+C)	179.73	197.34	5.93	5.72
	Gross Margin (A-D)	40.63	122.21	1.34	1.72
	Return to Unpaid Labour (A-E+B14)	4.32	81.06	0.14	0.76
	Return to Investment (A-E+C4)	(2.95)	71.34	(0.10)	1.66
	Return to Equity (A-E)	(11.25)	66.84	(0.37)	0.43

Investment

Buildings	87.73	118.97
Machinery	363.27	406.35
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1795.54	2315.82

Management

Average Yield	(Bushel/acre)	30.29	42.90
Expected Market Price	(\$/Bushel)	3.87	4.05

2002 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	102.23	147.93	3.83	3.78
	2. Crop Insurance Receipts	37.97	76.84	1.42	1.97
	3. Other Receipts	7.66	17.97	0.29	0.46
Gross Receipts		147.87	242.74	5.54	6.21
(B)	Cost Items				
	1. Seed	11.20	12.26	0.42	0.31
	2. Fertilizer	31.86	31.13	1.19	0.80
	3. Chemical	20.12	28.96	0.75	0.74
	4. Hail/Crop Insurance Premium	5.30	9.10	0.20	0.23
	5. Trucking and Marketing	0.90	0.56	0.03	0.01
	6. Fuel	8.07	5.53	0.30	0.14
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	6.99	6.53	0.26	0.17
	9. Repairs - Buildings	0.91	0.78	0.03	0.02
	10. Utilities and Miscellaneous	8.48	13.03	0.32	0.33
	11. Custom Work	7.92	11.53	0.30	0.29
	12. Operating Interest Paid	1.18	0.58	0.04	0.01
	13. Paid Labour	2.82	1.07	0.11	0.03
	14. Unpaid Labour	9.62	8.14	0.36	0.21
Variable Costs		115.37	129.20	4.32	3.30
(C)	1. Cash/ Share Land Rent	40.20	52.24	1.51	1.34
	2. Taxes, Water Rates, License & Ins.	1.74	2.07	0.07	0.05
	3. Equipment and Building: a) Depreciation	25.13	29.15	0.94	0.75
	b) Lease Payments	0.16	0.52	0.01	0.01
	4. Paid Capital Interest	4.55	3.75	0.17	2.24
Capital Costs		71.78	87.73	2.69	4.39
(D)	Cash Costs (B+C-B14-C3a)	152.39	179.64	5.71	6.74
(E)	Total Production Costs (B+C)	187.15	216.93	7.01	7.70
	Gross Margin (A-D)	(4.52)	63.10	(0.17)	(0.53)
	Return to Unpaid Labour (A-E+B14)	(29.65)	33.94	(1.11)	(1.28)
	Return to Investment (A-E+C4)	(34.73)	29.56	(1.30)	0.76
	Return to Equity (A-E)	(39.28)	25.80	(1.47)	(1.49)

Investment

Buildings	86.41	89.02
Machinery	232.54	278.54
Irrigation Machinery	0.00	0.00
Total (incl. Land)	318.95	367.55

Management

Average Yield (Bushel/acre)	26.71	39.10
Expected Market Price (\$/Bushel)	3.83	3.78

2002 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	99.95	--	3.80	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	12.21	--	0.46	--
Gross Receipts		112.16	0.00	4.26	0.00
(B)	Cost Items				
	1. Seed	11.37	--	0.43	--
	2. Fertilizer	34.22	--	1.30	--
	3. Chemical	24.08	--	0.91	--
	4. Hail/Crop Insurance Premium	2.14	--	0.08	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	8.27	--	0.31	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	8.96	--	0.34	--
	9. Repairs - Buildings	0.18	--	0.01	--
	10. Utilities and Miscellaneous	7.59	--	0.29	--
	11. Custom Work	3.70	--	0.14	--
	12. Operating Interest Paid	1.81	--	0.07	--
	13. Paid Labour	4.19	--	0.16	--
	14. Unpaid Labour	19.95	--	0.76	--
Variable Costs		126.45	0.00	4.80	0.00
(C)	1. Cash/ Share Land Rent	34.60	--	1.31	--
	2. Taxes, Water Rates, License & Ins.	3.55	--	0.13	--
	3. Equipment and Building: a) Depreciation	43.82	--	1.66	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	3.78	--	0.14	--
Capital Costs		85.75	0.00	3.26	0.00
(D)	Cash Costs (B+C-B14-C3a)	148.43	--	5.64	--
(E)	Total Production Costs (B+C)	212.20	--	8.06	--
	Gross Margin (A-D)	(36.27)	--	(1.38)	--
	Return to Unpaid Labour (A-E+B14)	(80.09)	--	(3.04)	--
	Return to Investment (A-E+C4)	(96.26)	--	(3.66)	--
	Return to Equity (A-E)	(100.04)	--	(3.80)	--

Investment

Buildings	93.66	--
Machinery	411.54	--
Irrigation Machinery	0.00	--
Total (incl. Land)	725.01	--

Management

Average Yield	(Bushel/acre)	26.33	--
Expected Market Price	(\$/Bushel)	3.80	--

2002 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	194.62	--	3.56	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	24.45	--	0.45	--
Gross Receipts		219.07	0.00	4.01	0.00
(B)	Cost Items				
	1. Seed	11.92	--	0.22	--
	2. Fertilizer	26.08	--	0.48	--
	3. Chemical	7.58	--	0.14	--
	4. Hail/Crop Insurance Premium	6.48	--	0.12	--
	5. Trucking and Marketing	5.37	--	0.10	--
	6. Fuel	10.97	--	0.20	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	10.35	--	0.19	--
	9. Repairs - Buildings	0.93	--	0.02	--
	10. Utilities and Miscellaneous	15.49	--	0.28	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	1.96	--	0.04	--
	13. Paid Labour	1.04	--	0.02	--
	14. Unpaid Labour	17.01	--	0.31	--
Variable Costs		115.17	0.00	2.11	0.00
(C)	1. Cash/ Share Land Rent	15.24	--	0.28	--
	2. Taxes, Water Rates, License & Ins.	3.65	--	0.07	--
	3. Equipment and Building: a) Depreciation	48.55	--	0.89	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	10.10	--	0.18	--
Capital Costs		77.55	0.00	1.42	0.00
(D)	Cash Costs (B+C-B14-C3a)	127.16	--	2.33	--
(E)	Total Production Costs (B+C)	192.72	--	3.53	--
	Gross Margin (A-D)	91.91	--	1.68	--
	Return to Unpaid Labour (A-E+B14)	43.35	--	0.79	--
	Return to Investment (A-E+C4)	36.45	--	0.67	--
	Return to Equity (A-E)	26.35	--	0.48	--

Investment

Buildings	168.48	--
Machinery	451.06	--
Irrigation Machinery	0.00	--
Total (incl. Land)	913.20	--

Management

Average Yield	(Bushel/acre)	54.64	--
Expected Market Price	(\$/Bushel)	3.56	--

2002 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	62.24	--	7.50	--
	2. Crop Insurance Receipts	61.09	--	7.37	--
	3. Other Receipts	7.78	--	0.94	--
Gross Receipts		131.10	0.00	15.81	0.00
(B)	Cost Items				
	1. Seed	12.90	--	1.56	--
	2. Fertilizer	29.91	--	3.61	--
	3. Chemical	18.29	--	2.21	--
	4. Hail/Crop Insurance Premium	8.54	--	1.03	--
	5. Trucking and Marketing	1.03	--	0.12	--
	6. Fuel	5.21	--	0.63	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	4.23	--	0.51	--
	9. Repairs - Buildings	0.31	--	0.04	--
	10. Utilities and Miscellaneous	15.22	--	1.84	--
	11. Custom Work	5.10	--	0.61	--
	12. Operating Interest Paid	0.71	--	0.09	--
	13. Paid Labour	0.37	--	0.04	--
	14. Unpaid Labour	6.71	--	0.81	--
Variable Costs		108.53	0.00	13.09	0.00
(C)	1. Cash/ Share Land Rent	16.30	--	1.96	--
	2. Taxes, Water Rates, License & Ins.	4.72	--	0.57	--
	3. Equipment and Building: a) Depreciation	60.72	--	7.32	--
	b) Lease Payments	0.67	--	0.08	--
	4. Paid Capital Interest	7.53	--	0.91	--
Capital Costs		89.93	0.00	10.84	0.00
(D)	Cash Costs (B+C-B14-C3a)	131.03	--	15.80	--
(E)	Total Production Costs (B+C)	198.46	--	23.93	--
	Gross Margin (A-D)	0.07	--	0.01	--
	Return to Unpaid Labour (A-E+B14)	(60.65)	--	(7.31)	--
	Return to Investment (A-E+C4)	(59.83)	--	(7.21)	--
	Return to Equity (A-E)	(67.36)	--	(8.12)	--

Investment

Buildings	127.11	--
Machinery	616.50	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1316.15	--

Management

Average Yield	(Bushel/acre)	8.29	--
Expected Market Price	(\$/Bushel)	7.50	--

2002 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	78.55	--	8.23	--
	2. Crop Insurance Receipts	46.63	--	4.88	--
	3. Other Receipts	10.92	--	1.14	--
Gross Receipts		136.10	0.00	14.25	0.00
(B)	Cost Items				
	1. Seed	13.70	--	1.43	--
	2. Fertilizer	30.35	--	3.18	--
	3. Chemical	17.95	--	1.88	--
	4. Hail/Crop Insurance Premium	6.19	--	0.65	--
	5. Trucking and Marketing	1.54	--	0.16	--
	6. Fuel	6.48	--	0.68	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	5.45	--	0.57	--
	9. Repairs - Buildings	0.39	--	0.04	--
	10. Utilities and Miscellaneous	14.74	--	1.54	--
	11. Custom Work	4.18	--	0.44	--
	12. Operating Interest Paid	0.73	--	0.08	--
	13. Paid Labour	0.25	--	0.03	--
	14. Unpaid Labour	8.10	--	0.85	--
Variable Costs		110.05	0.00	11.53	0.00
(C)	Capital Costs				
	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	6.00	--	0.63	--
	3. Equipment and Building: a) Depreciation	76.19	--	7.98	--
	b) Lease Payments	0.45	--	0.05	--
	4. Paid Capital Interest	8.59	--	0.90	--
Capital Costs		91.22	0.00	9.55	0.00
(D)	Cash Costs (B+C-B14-C3a)	116.98	--	12.25	--
(E)	Total Production Costs (B+C)	201.27	--	21.08	--
	Gross Margin (A-D)	19.12	--	2.00	--
	Return to Unpaid Labour (A-E+B14)	(57.07)	--	(5.98)	--
	Return to Investment (A-E+C4)	(56.59)	--	(5.93)	--
	Return to Equity (A-E)	(65.17)	--	(6.83)	--

Investment

Buildings	143.92	--
Machinery	779.72	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1773.05	--

Management

Average Yield	(Bushel/acre)	9.55	--
Expected Market Price	(\$/Bushel)	8.23	--

2002 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	47.81	--	10.00	--
	2. Crop Insurance Receipts	13.53	--	2.83	--
	3. Other Receipts	2.86	--	0.60	--
Gross Receipts		64.20	0.00	13.43	0.00
(B)	Cost Items				
	1. Seed	23.87	--	4.99	--
	2. Fertilizer	15.08	--	3.15	--
	3. Chemical	18.27	--	3.82	--
	4. Hail/Crop Insurance Premium	1.07	--	0.22	--
	5. Trucking and Marketing	1.93	--	0.40	--
	6. Fuel	4.72	--	0.99	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	4.28	--	0.89	--
	9. Repairs - Buildings	0.09	--	0.02	--
	10. Utilities and Miscellaneous	4.16	--	0.87	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	0.71	--	0.15	--
	13. Paid Labour	0.00	--	0.00	--
	14. Unpaid Labour	12.71	--	2.66	--
Variable Costs		86.88	0.00	18.17	0.00
(C)	Capital Costs				
	1. Cash/ Share Land Rent	5.90	--	1.23	--
	2. Taxes, Water Rates, License & Ins.	3.07	--	0.64	--
	3. Equipment and Building: a) Depreciation	17.79	--	3.72	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	3.35	--	0.70	--
Capital Costs		30.10	0.00	6.30	0.00
(D)	Cash Costs (B+C-B14-C3a)	86.49	--	18.09	--
(E)	Total Production Costs (B+C)	116.99	--	24.47	--
	Gross Margin (A-D)	(22.29)	--	(4.66)	--
	Return to Unpaid Labour (A-E+B14)	(40.08)	--	(8.38)	--
	Return to Investment (A-E+C4)	(49.44)	--	(10.34)	--
	Return to Equity (A-E)	(52.79)	--	(11.04)	--

Investment

Buildings	34.00	--
Machinery	181.15	--
Irrigation Machinery	0.00	--
Total (incl. Land)	875.70	--

Management

Average Yield	4.78	--
Expected Market Price	10.00	--

2002 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	49.84	125.82	7.43	8.06
	2. Crop Insurance Receipts	48.82	67.11	7.27	4.30
	3. Other Receipts	12.32	14.31	1.84	0.92
	Gross Receipts	110.98	207.24	16.54	13.28
(B)	Cost Items				
	1. Seed	21.28	21.03	3.17	1.35
	2. Fertilizer	30.43	32.13	4.53	2.06
	3. Chemical	11.68	18.63	1.74	1.19
	4. Hail/Crop Insurance Premium	6.78	13.61	1.01	0.87
	5. Trucking and Marketing	1.07	2.55	0.16	0.16
	6. Fuel	7.28	7.50	1.08	0.48
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	8.49	10.79	1.26	0.69
	9. Repairs - Buildings	0.19	0.13	0.03	0.01
	10. Utilities and Miscellaneous	5.37	5.14	0.80	0.33
	11. Custom Work	4.26	6.54	0.63	0.42
	12. Operating Interest Paid	2.01	5.65	0.30	0.36
	13. Paid Labour	1.15	3.15	0.17	0.20
	14. Unpaid Labour	13.14	12.61	1.96	0.81
	Variable Costs	113.12	139.46	16.86	8.94
(C)	1. Cash/ Share Land Rent	15.45	10.36	2.30	0.66
	2. Taxes, Water Rates, License & Ins.	3.93	5.38	0.59	0.34
	3. Equipment and Building: a) Depreciation	27.25	17.54	4.06	1.12
	b) Lease Payments	0.53	1.76	0.08	0.11
	4. Paid Capital Interest	8.60	9.11	1.28	2.83
	Capital Costs	55.76	44.15	8.31	5.07
(D)	Cash Costs (B+C-B14-C3a)	128.49	153.46	19.15	12.08
(E)	Total Production Costs (B+C)	168.88	183.61	25.17	14.01
	Gross Margin (A-D)	(17.52)	53.78	(2.61)	1.20
	Return to Unpaid Labour (A-E+B14)	(44.77)	36.25	(6.67)	0.08
	Return to Investment (A-E+C4)	(49.30)	32.74	(7.35)	2.10
	Return to Equity (A-E)	(57.91)	23.63	(8.63)	(0.73)

Investment

Buildings	71.77	45.54
Machinery	265.45	175.00
Irrigation Machinery	0.00	0.00
Total (incl. Land)	766.00	799.89

Management

Average Yield	(Bushel/acre)	6.71	15.61
Expected Market Price	(\$/Bushel)	7.43	8.06

2002 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	95.18	174.54	7.26	7.79
	2. Crop Insurance Receipts	31.58	46.33	2.41	2.07
	3. Other Receipts	21.96	17.54	1.68	0.78
	Gross Receipts	148.72	238.41	11.35	10.65
(B)	Cost Items				
	1. Seed	22.43	22.27	1.71	0.99
	2. Fertilizer	30.82	32.30	2.35	1.44
	3. Chemical	15.11	23.32	1.15	1.04
	4. Hail/Crop Insurance Premium	7.99	14.94	0.61	0.67
	5. Trucking and Marketing	2.02	3.19	0.15	0.14
	6. Fuel	7.23	8.67	0.55	0.39
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	8.60	13.24	0.66	0.59
	9. Repairs - Buildings	0.28	0.22	0.02	0.01
	10. Utilities and Miscellaneous	6.60	6.20	0.50	0.28
	11. Custom Work	6.27	10.47	0.48	0.47
	12. Operating Interest Paid	3.39	6.79	0.26	0.30
	13. Paid Labour	2.25	4.64	0.17	0.21
	14. Unpaid Labour	13.67	13.86	1.04	0.62
	Variable Costs	126.65	160.10	9.67	7.15
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	6.40	7.58	0.49	0.34
	3. Equipment and Building: a) Depreciation	24.30	16.00	1.85	0.71
	b) Lease Payments	1.02	2.48	0.08	0.11
	4. Paid Capital Interest	15.98	14.07	1.22	1.79
	Capital Costs	47.71	40.13	3.64	2.96
(D)	Cash Costs (B+C-B14-C3a)	136.40	170.37	10.41	8.77
(E)	Total Production Costs (B+C)	174.36	200.24	13.31	10.11
	Gross Margin (A-D)	12.32	68.04	0.94	1.87
	Return to Unpaid Labour (A-E+B14)	(11.97)	52.03	(0.91)	1.16
	Return to Investment (A-E+C4)	(9.66)	52.24	(0.74)	2.33
	Return to Equity (A-E)	(25.64)	38.17	(1.96)	0.54

Investment

Buildings	63.33	51.75
Machinery	236.46	159.43
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1267.59	1188.21

Management

Average Yield	(Bushel/acre)	13.10	22.39
Expected Market Price	(\$/Bushel)	7.26	7.79

2002 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	13.77	42.09	8.47	9.59
	2. Crop Insurance Receipts	62.53	101.49	38.46	23.12
	3. Other Receipts	4.64	7.37	2.86	1.68
Gross Receipts		80.95	150.95	49.79	34.39
(B)	Cost Items				
	1. Seed	20.36	18.24	12.52	4.16
	2. Fertilizer	30.12	27.96	18.53	6.37
	3. Chemical	8.94	11.56	5.50	2.63
	4. Hail/Crop Insurance Premium	5.82	10.62	3.58	2.42
	5. Trucking and Marketing	0.32	1.25	0.20	0.28
	6. Fuel	7.32	8.99	4.50	2.05
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	8.40	8.54	5.17	1.95
	9. Repairs - Buildings	0.12	0.46	0.07	0.10
	10. Utilities and Miscellaneous	4.40	4.07	2.70	0.93
	11. Custom Work	2.66	1.79	1.64	0.41
	12. Operating Interest Paid	0.91	3.15	0.56	0.72
	13. Paid Labour	0.27	0.97	0.16	0.22
	14. Unpaid Labour	12.71	10.71	7.82	2.44
Variable Costs		102.35	108.31	62.96	24.68
(C)	1. Cash/ Share Land Rent	27.74	23.04	17.06	5.25
	2. Taxes, Water Rates, License & Ins.	1.95	3.08	1.20	0.70
	3. Equipment and Building: a) Depreciation	29.61	24.93	18.21	5.68
	b) Lease Payments	0.14	0.56	0.09	0.13
	4. Paid Capital Interest	2.73	2.20	1.68	12.26
Capital Costs		62.17	53.80	38.24	24.01
(D)	Cash Costs (B+C-B14-C3a)	122.20	126.48	75.17	40.57
(E)	Total Production Costs (B+C)	164.52	162.12	101.20	48.69
	Gross Margin (A-D)	(41.25)	24.47	(25.38)	(6.18)
	Return to Unpaid Labour (A-E+B14)	(70.86)	(0.46)	(43.59)	(11.86)
	Return to Investment (A-E+C4)	(80.84)	(8.97)	(49.73)	(2.04)
	Return to Equity (A-E)	(83.57)	(11.17)	(51.41)	(14.30)

Investment

Buildings	78.48	79.25
Machinery	288.52	231.42
Irrigation Machinery	0.00	0.00
Total (incl. Land)	367.00	310.67

Management

Average Yield	(Bushel/acre)	1.63	4.39
Expected Market Price	(\$/Bushel)	8.47	9.59

2002 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	104.17	--	6.76	--
	2. Crop Insurance Receipts	35.57	--	2.31	--
	3. Other Receipts	4.15	--	0.27	--
Gross Receipts		143.89	0.00	9.33	0.00
(B)	Cost Items				
	1. Seed	31.59	--	2.05	--
	2. Fertilizer	14.56	--	0.94	--
	3. Chemical	18.93	--	1.23	--
	4. Hail/Crop Insurance Premium	8.62	--	0.56	--
	5. Trucking and Marketing	0.52	--	0.03	--
	6. Fuel	24.54	--	1.59	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	26.16	--	1.70	--
	9. Repairs - Buildings	2.85	--	0.18	--
	10. Utilities and Miscellaneous	11.10	--	0.72	--
	11. Custom Work	4.86	--	0.32	--
	12. Operating Interest Paid	1.67	--	0.11	--
	13. Paid Labour	4.31	--	0.28	--
	14. Unpaid Labour	14.58	--	0.95	--
Variable Costs		164.30	0.00	10.66	0.00
(C)	1. Cash/ Share Land Rent	9.75	--	0.63	--
	2. Taxes, Water Rates, License & Ins.	6.26	--	0.41	--
	3. Equipment and Building: a) Depreciation	66.16	--	4.29	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	4.36	--	0.28	--
Capital Costs		86.52	0.00	5.61	0.00
(D)	Cash Costs (B+C-B14-C3a)	170.08	--	11.03	--
(E)	Total Production Costs (B+C)	250.82	--	16.27	--
	Gross Margin (A-D)	(26.19)	--	(1.70)	--
	Return to Unpaid Labour (A-E+B14)	(92.35)	--	(5.99)	--
	Return to Investment (A-E+C4)	(102.58)	--	(6.65)	--
	Return to Equity (A-E)	(106.93)	--	(6.94)	--

Investment

Buildings	162.40	--
Machinery	665.88	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1806.77	--

Management

Average Yield	(Bushel/acre)	15.42	--
Expected Market Price	(\$/Bushel)	6.76	--

2002 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	94.96	--	7.39	--
	2. Crop Insurance Receipts	39.40	--	3.07	--
	3. Other Receipts	3.05	--	0.24	--
Gross Receipts		137.41	0.00	10.70	0.00
(B)	Cost Items				
	1. Seed	28.80	--	2.24	--
	2. Fertilizer	13.86	--	1.08	--
	3. Chemical	13.99	--	1.09	--
	4. Hail/Crop Insurance Premium	7.04	--	0.55	--
	5. Trucking and Marketing	0.21	--	0.02	--
	6. Fuel	28.16	--	2.19	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	29.55	--	2.30	--
	9. Repairs - Buildings	2.53	--	0.20	--
	10. Utilities and Miscellaneous	8.07	--	0.63	--
	11. Custom Work	4.84	--	0.38	--
	12. Operating Interest Paid	2.10	--	0.16	--
	13. Paid Labour	5.12	--	0.40	--
	14. Unpaid Labour	15.63	--	1.22	--
Variable Costs		159.88	0.00	12.45	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	6.98	--	0.54	--
	3. Equipment and Building: a) Depreciation	75.09	--	5.85	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	5.24	--	0.41	--
Capital Costs		87.30	0.00	6.80	0.00
(D)	Cash Costs (B+C-B14-C3a)	156.47	--	12.18	--
(E)	Total Production Costs (B+C)	247.19	--	19.25	--
	Gross Margin (A-D)	(19.06)	--	(1.48)	--
	Return to Unpaid Labour (A-E+B14)	(94.15)	--	(7.33)	--
	Return to Investment (A-E+C4)	(104.54)	--	(8.14)	--
	Return to Equity (A-E)	(109.78)	--	(8.55)	--

Investment

Buildings	184.41	--
Machinery	754.61	--
Irrigation Machinery	0.00	--
Total (incl. Land)	2178.04	--

Management

Average Yield	(Bushel/acre)	12.84	--
Expected Market Price	(\$/Bushel)	7.39	--

2002 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	70.51	451.47	165.50	163.43
	2. Crop Insurance Receipts	50.04	0.00	117.46	0.00
	3. Other Receipts	5.44	1.52	12.77	0.55
Gross Receipts		125.99	453.00	295.73	163.98
(B)	Cost Items				
	1. Seed	4.74	0.00	11.12	0.00
	2. Fertilizer	4.46	20.97	10.47	7.59
	3. Chemical	0.85	0.00	2.00	0.00
	4. Hail/Crop Insurance Premium	4.21	0.00	9.88	0.00
	5. Trucking and Marketing	0.24	0.78	0.55	0.28
	6. Fuel	4.53	8.42	10.63	3.05
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	4.68	6.18	10.99	2.24
	9. Repairs - Buildings	1.37	0.65	3.22	0.24
	10. Utilities and Miscellaneous	2.62	9.59	6.15	3.47
	11. Custom Work	1.45	3.43	3.40	1.24
	12. Operating Interest Paid	1.92	0.60	4.51	0.22
	13. Paid Labour	1.67	1.55	3.92	0.56
	14. Unpaid Labour	6.37	13.73	14.95	4.97
Variable Costs		39.10	65.91	91.78	23.86
(C)	1. Cash/ Share Land Rent	5.36	36.00	12.58	13.03
	2. Taxes, Water Rates, License & Ins.	2.60	3.67	6.09	1.33
	3. Equipment and Building: a) Depreciation	14.79	21.86	34.72	7.91
	b) Lease Payments	0.32	0.00	0.76	0.00
	4. Paid Capital Interest	3.61	2.59	8.46	23.21
Capital Costs		26.68	64.12	62.61	45.48
(D)	Cash Costs (B+C-B14-C3a)	44.62	94.43	104.72	56.46
(E)	Total Production Costs (B+C)	65.77	130.02	154.39	69.34
	Gross Margin (A-D)	81.38	358.56	191.01	107.52
	Return to Unpaid Labour (A-E+B14)	66.58	336.70	156.29	99.61
	Return to Investment (A-E+C4)	63.82	325.56	149.81	117.85
	Return to Equity (A-E)	60.22	322.97	141.34	94.64

Investment

Buildings	21.79	62.61
Machinery	139.14	185.85
Irrigation Machinery	0.00	0.00
Total (incl. Land)	797.35	672.57

Management

Average Yield (Tonne/acre)	0.43	2.76
Expected Market Price (\$/Tonne)	165.50	163.43

2002 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	48.14	--	176.33	--
	2. Crop Insurance Receipts	49.64	--	181.82	--
	3. Other Receipts	7.74	--	28.37	--
Gross Receipts		105.52	0.00	386.52	0.00
(B)	Cost Items				
	1. Seed	7.09	--	25.97	--
	2. Fertilizer	0.25	--	0.93	--
	3. Chemical	1.27	--	4.66	--
	4. Hail/Crop Insurance Premium	4.34	--	15.91	--
	5. Trucking and Marketing	0.28	--	1.03	--
	6. Fuel	4.24	--	15.54	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	3.52	--	12.88	--
	9. Repairs - Buildings	1.64	--	6.01	--
	10. Utilities and Miscellaneous	2.81	--	10.31	--
	11. Custom Work	1.27	--	4.65	--
	12. Operating Interest Paid	1.59	--	5.81	--
	13. Paid Labour	1.89	--	6.94	--
	14. Unpaid Labour	5.18	--	18.99	--
Variable Costs		35.39	0.00	129.63	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	3.65	--	13.36	--
	3. Equipment and Building: a) Depreciation	16.02	--	58.69	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	4.63	--	16.97	--
Capital Costs		24.30	0.00	89.02	0.00
(D)	Cash Costs (B+C-B14-C3a)	38.49	--	140.98	--
(E)	Total Production Costs (B+C)	59.69	--	218.65	--
	Gross Margin (A-D)	67.03	--	245.54	--
	Return to Unpaid Labour (A-E+B14)	51.01	--	186.86	--
	Return to Investment (A-E+C4)	50.46	--	184.84	--
	Return to Equity (A-E)	45.83	--	167.87	--

Investment

Buildings	21.92	--
Machinery	150.33	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1124.58	--

Management

Average Yield (Tonne/acre)	0.27	--
Expected Market Price (\$/Tonne)	176.33	--

2002 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	115.57	--	157.39	--
	2. Crop Insurance Receipts	50.85	--	69.25	--
	3. Other Receipts	0.80	--	1.10	--
Gross Receipts		167.23	0.00	227.74	0.00
(B)	Cost Items				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	12.94	--	17.62	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	3.93	--	5.36	--
	5. Trucking and Marketing	0.14	--	0.20	--
	6. Fuel	5.11	--	6.95	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	7.03	--	9.57	--
	9. Repairs - Buildings	0.83	--	1.12	--
	10. Utilities and Miscellaneous	2.23	--	3.03	--
	11. Custom Work	1.81	--	2.46	--
	12. Operating Interest Paid	2.60	--	3.54	--
	13. Paid Labour	1.22	--	1.66	--
	14. Unpaid Labour	8.75	--	11.92	--
Variable Costs		46.58	0.00	63.43	0.00
(C)	1. Cash/ Share Land Rent	16.15	--	21.99	--
	2. Taxes, Water Rates, License & Ins.	0.48	--	0.65	--
	3. Equipment and Building: a) Depreciation	12.31	--	16.77	--
	b) Lease Payments	0.98	--	1.33	--
	4. Paid Capital Interest	1.53	--	2.09	--
Capital Costs		31.45	0.00	42.83	0.00
(D)	Cash Costs (B+C-B14-C3a)	56.96	--	77.57	--
(E)	Total Production Costs (B+C)	78.03	--	106.26	--
	Gross Margin (A-D)	110.27	--	150.17	--
	Return to Unpaid Labour (A-E+B14)	97.96	--	133.40	--
	Return to Investment (A-E+C4)	90.74	--	123.57	--
	Return to Equity (A-E)	89.20	--	121.48	--

Investment

Buildings	21.52	--
Machinery	116.60	--
Irrigation Machinery	0.00	--
Total (incl. Land)	138.13	--

Management

Average Yield	(Tonne/acre)	0.73	--
Expected Market Price	(\$/Tonne)	157.39	--

2002 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	47.86	--	53.30	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	0.52	--	0.58	--
Gross Receipts		48.38	0.00	53.88	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	0.08	--	0.08	--
	6. Fuel	4.03	--	4.49	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	10.79	--	12.02	--
	9. Repairs - Buildings	0.05	--	0.05	--
	10. Utilities and Miscellaneous	3.40	--	3.79	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	1.95	--	2.17	--
	13. Paid Labour	0.24	--	0.26	--
	14. Unpaid Labour	8.45	--	9.41	--
Variable Costs		28.99	0.00	32.28	0.00
(C)	1. Cash/ Share Land Rent	7.83	--	8.72	--
	2. Taxes, Water Rates, License & Ins.	7.32	--	8.15	--
	3. Equipment and Building: a) Depreciation	11.74	--	13.07	--
	b) Lease Payments	1.20	--	1.33	--
	4. Paid Capital Interest	5.81	--	6.47	--
Capital Costs		33.89	0.00	37.74	0.00
(D)	Cash Costs (B+C-B14-C3a)	42.69	--	47.54	--
(E)	Total Production Costs (B+C)	62.88	--	70.02	--
	Gross Margin (A-D)	5.69	--	6.34	--
	Return to Unpaid Labour (A-E+B14)	(6.05)	--	(6.74)	--
	Return to Investment (A-E+C4)	(8.69)	--	(9.68)	--
	Return to Equity (A-E)	(14.50)	--	(16.14)	--

Investment

Buildings	37.41	--
Machinery	101.68	--
Irrigation Machinery	0.00	--
Total (incl. Land)	656.48	--

Management

Average Yield	(Tonne/acre)	0.90	--
Expected Market Price	(\$/Tonne)	53.30	--

2002 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	92.28	174.58	130.67	127.38	
	2. Crop Insurance Receipts	97.12	135.80	137.52	99.08	
	3. Other Receipts	7.05	0.45	9.98	0.33	
Gross Receipts		196.45	310.83	278.17	226.79	
(B)	Cost Items					
	1. Seed	14.37	21.56	20.35	15.73	
	2. Fertilizer	23.60	25.58	33.42	18.66	
	3. Chemical	3.84	4.28	5.44	3.12	
	4. Hail/Crop Insurance Premium	6.40	6.70	9.06	4.89	
	5. Trucking and Marketing	0.11	0.04	0.15	0.03	
	6. Fuel	15.27	15.57	21.62	11.36	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	9.14	8.06	12.94	5.88	
	9. Repairs - Buildings	1.19	1.09	1.68	0.80	
	10. Utilities and Miscellaneous	5.58	4.71	7.90	3.44	
	11. Custom Work	1.18	1.84	1.67	1.34	
	12. Operating Interest Paid	0.23	0.24	0.32	0.18	
	13. Paid Labour	0.56	0.62	0.79	0.45	
	14. Unpaid Labour	8.28	7.46	11.72	5.44	
Variable Costs		89.73	97.75	127.06	71.32	
(C)	1. Cash/ Share Land Rent	16.35	24.30	23.15	17.73	
	2. Taxes, Water Rates, License & Ins.	6.08	4.16	8.61	3.03	
	3. Equipment and Building:	a) Depreciation	24.24	20.79	34.33	15.17
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	5.54	3.77	7.84	38.68	
Capital Costs		52.21	53.02	73.93	74.62	
(D)	Cash Costs (B+C-B14-C3a)	109.43	122.53	154.95	125.33	
(E)	Total Production Costs (B+C)	141.95	150.77	200.99	145.94	
	Gross Margin (A-D)	87.02	188.30	123.22	101.45	
	Return to Unpaid Labour (A-E+B14)	62.78	167.51	88.89	86.28	
	Return to Investment (A-E+C4)	60.04	163.82	85.02	119.53	
	Return to Equity (A-E)	54.50	160.05	77.17	80.84	

Investment

Buildings	67.74	58.93
Machinery	214.87	185.76
Irrigation Machinery	0.00	0.00
Total (incl. Land)	506.41	312.48

Management

Average Yield	(Tonne/acre)	0.71	1.37
Expected Market Price	(\$/Tonne)	130.67	127.38

2002 Crop Enterprise Analysis

AgriProfit®

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

		----- \$/Acre -----		---- \$/Tonne ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	83.69	--	150.17	--
	2. Crop Insurance Receipts	66.67	--	119.63	--
	3. Other Receipts	17.34	--	31.11	--
Gross Receipts		167.69	0.00	300.91	0.00
(B)	Cost Items				
	1. Seed	13.25	--	23.78	--
	2. Fertilizer	14.58	--	26.16	--
	3. Chemical	0.36	--	0.64	--
	4. Hail/Crop Insurance Premium	4.20	--	7.54	--
	5. Trucking and Marketing	0.02	--	0.03	--
	6. Fuel	18.26	--	32.77	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	11.69	--	20.97	--
	9. Repairs - Buildings	1.56	--	2.80	--
	10. Utilities and Miscellaneous	6.58	--	11.81	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	0.34	--	0.61	--
	13. Paid Labour	0.61	--	1.09	--
	14. Unpaid Labour	10.30	--	18.48	--
Variable Costs		81.74	0.00	146.68	0.00
(C)	Capital Costs				
	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	10.25	--	18.39	--
	3. Equipment and Building: a) Depreciation	30.13	--	54.06	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	10.64	--	19.10	--
Capital Costs		51.02	0.00	91.55	0.00
(D)	Cash Costs (B+C-B14-C3a)	92.33	--	165.68	--
(E)	Total Production Costs (B+C)	132.76	--	238.22	--
	Gross Margin (A-D)	75.36	--	135.22	--
	Return to Unpaid Labour (A-E+B14)	45.23	--	81.16	--
	Return to Investment (A-E+C4)	45.57	--	81.78	--
	Return to Equity (A-E)	34.93	--	62.68	--

Investment

Buildings	83.56	--
Machinery	266.49	--
Irrigation Machinery	0.00	--
Total (incl. Land)	909.88	--

Management

Average Yield	(Tonne/acre)	0.56	--
Expected Market Price	(\$/Tonne)	150.17	--

2002 Crop Enterprise Analysis

AgriProfit®

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

		----- \$/Acre -----		---- \$/Tonne ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	98.01	--	121.68	--
	2. Crop Insurance Receipts	117.40	--	145.76	--
	3. Other Receipts	0.20	--	0.24	--
Gross Receipts		215.61	0.00	267.69	0.00
(B)	Cost Items				
	1. Seed	15.12	--	18.78	--
	2. Fertilizer	29.61	--	36.76	--
	3. Chemical	6.16	--	7.65	--
	4. Hail/Crop Insurance Premium	7.86	--	9.76	--
	5. Trucking and Marketing	0.17	--	0.21	--
	6. Fuel	13.27	--	16.48	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	7.44	--	9.24	--
	9. Repairs - Buildings	0.94	--	1.17	--
	10. Utilities and Miscellaneous	4.91	--	6.10	--
	11. Custom Work	1.97	--	2.44	--
	12. Operating Interest Paid	0.15	--	0.18	--
	13. Paid Labour	0.52	--	0.65	--
	14. Unpaid Labour	6.93	--	8.60	--
Variable Costs		95.06	0.00	118.02	0.00
(C)	1. Cash/ Share Land Rent	27.24	--	33.83	--
	2. Taxes, Water Rates, License & Ins.	3.30	--	4.10	--
	3. Equipment and Building: a) Depreciation	20.32	--	25.23	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	2.14	--	2.66	--
Capital Costs		53.01	0.00	65.82	0.00
(D)	Cash Costs (B+C-B14-C3a)	120.81	--	150.00	--
(E)	Total Production Costs (B+C)	148.07	--	183.84	--
	Gross Margin (A-D)	94.79	--	117.69	--
	Return to Unpaid Labour (A-E+B14)	74.47	--	92.46	--
	Return to Investment (A-E+C4)	69.68	--	86.51	--
	Return to Equity (A-E)	67.54	--	83.85	--

Investment

Buildings	57.19	--
Machinery	180.49	--
Irrigation Machinery	0.00	--
Total (incl. Land)	237.68	--

Management

Average Yield	(Tonne/acre)	0.81	--
Expected Market Price	(\$/Tonne)	121.68	--

2002 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	75.15	93.65	53.61	53.83
	2. Crop Insurance Receipts	53.12	97.85	37.89	56.25
	3. Other Receipts	11.63	20.55	8.30	11.81
	Gross Receipts	139.90	212.05	99.79	121.88
(B)	Cost Items				
	1. Seed	9.74	10.47	6.95	6.02
	2. Fertilizer	32.82	27.65	23.41	15.89
	3. Chemical	3.83	0.35	2.73	0.20
	4. Hail/Crop Insurance Premium	5.77	9.75	4.11	5.60
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	10.98	17.40	7.83	10.00
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	4.84	7.01	3.45	4.03
	9. Repairs - Buildings	0.32	0.61	0.23	0.35
	10. Utilities and Miscellaneous	1.95	1.92	1.39	1.10
	11. Custom Work	1.18	0.17	0.84	0.10
	12. Operating Interest Paid	0.46	0.60	0.33	0.34
	13. Paid Labour	3.01	5.46	2.14	3.14
	14. Unpaid Labour	5.88	7.07	4.19	4.06
	Variable Costs	80.77	88.45	57.61	50.84
(C)	1. Cash/ Share Land Rent	6.80	0.55	4.85	0.32
	2. Taxes, Water Rates, License & Ins.	2.33	2.43	1.66	1.40
	3. Equipment and Building: a) Depreciation	12.91	11.73	9.21	6.74
	b) Lease Payments	0.16	0.17	0.11	0.09
	4. Paid Capital Interest	2.36	0.87	1.68	9.05
	Capital Costs	24.54	15.75	17.51	17.61
(D)	Cash Costs (B+C-B14-C3a)	86.53	85.41	61.72	57.64
(E)	Total Production Costs (B+C)	105.31	104.21	75.12	68.45
	Gross Margin (A-D)	53.38	126.64	38.07	64.24
	Return to Unpaid Labour (A-E+B14)	40.47	114.91	28.87	57.50
	Return to Investment (A-E+C4)	36.95	108.72	26.35	62.49
	Return to Equity (A-E)	34.59	107.84	24.67	53.44

Investment

Buildings	12.01	10.50
Machinery	131.49	124.08
Irrigation Machinery	0.00	0.00
Total (incl. Land)	747.89	896.01

Management

Average Yield (Tonne/acre)	1.40	1.74
Expected Market Price (\$/Tonne)	53.61	53.83

2002 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	75.58	--	51.68	--
	2. Crop Insurance Receipts	65.39	--	44.71	--
	3. Other Receipts	15.09	--	10.32	--
Gross Receipts		156.07	0.00	106.70	0.00
(B)	Cost Items				
	1. Seed	9.83	--	6.72	--
	2. Fertilizer	31.25	--	21.37	--
	3. Chemical	2.30	--	1.58	--
	4. Hail/Crop Insurance Premium	6.69	--	4.57	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	12.34	--	8.44	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	4.82	--	3.30	--
	9. Repairs - Buildings	0.42	--	0.29	--
	10. Utilities and Miscellaneous	1.74	--	1.19	--
	11. Custom Work	0.71	--	0.48	--
	12. Operating Interest Paid	0.38	--	0.26	--
	13. Paid Labour	3.78	--	2.59	--
	14. Unpaid Labour	5.83	--	3.99	--
Variable Costs		80.10	0.00	54.76	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	2.74	--	1.87	--
	3. Equipment and Building: a) Depreciation	12.57	--	8.59	--
	b) Lease Payments	0.11	--	0.07	--
	4. Paid Capital Interest	1.42	--	0.97	--
Capital Costs		16.83	0.00	11.51	0.00
(D)	Cash Costs (B+C-B14-C3a)	78.53	--	53.69	--
(E)	Total Production Costs (B+C)	96.93	--	66.27	--
	Gross Margin (A-D)	77.54	--	53.01	--
	Return to Unpaid Labour (A-E+B14)	64.97	--	44.42	--
	Return to Investment (A-E+C4)	60.55	--	41.40	--
	Return to Equity (A-E)	59.14	--	40.43	--

Investment

Buildings	9.55	--
Machinery	131.17	--
Irrigation Machinery	0.00	--
Total (incl. Land)	926.93	--

Management

Average Yield	(Tonne/acre)	1.46	--
Expected Market Price	(\$/Tonne)	51.68	--

2002 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	73.73	--	61.43	--
	2. Crop Insurance Receipts	12.32	--	10.26	--
	3. Other Receipts	0.13	--	0.11	--
Gross Receipts		86.18	0.00	71.80	0.00
(B)	Cost Items				
	1. Seed	9.45	--	7.88	--
	2. Fertilizer	38.02	--	31.67	--
	3. Chemical	8.91	--	7.43	--
	4. Hail/Crop Insurance Premium	2.70	--	2.25	--
	5. Trucking and Marketing	0.02	--	0.01	--
	6. Fuel	6.45	--	5.37	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	4.91	--	4.09	--
	9. Repairs - Buildings	0.00	--	0.00	--
	10. Utilities and Miscellaneous	2.65	--	2.21	--
	11. Custom Work	2.74	--	2.28	--
	12. Operating Interest Paid	0.72	--	0.60	--
	13. Paid Labour	0.42	--	0.35	--
	14. Unpaid Labour	6.01	--	5.01	--
Variable Costs		83.01	0.00	69.16	0.00
(C)	1. Cash/ Share Land Rent	29.38	--	24.48	--
	2. Taxes, Water Rates, License & Ins.	0.97	--	0.81	--
	3. Equipment and Building: a) Depreciation	14.04	--	11.70	--
	b) Lease Payments	0.31	--	0.26	--
	4. Paid Capital Interest	5.47	--	4.56	--
Capital Costs		50.18	0.00	41.80	0.00
(D)	Cash Costs (B+C-B14-C3a)	113.13	--	94.25	--
(E)	Total Production Costs (B+C)	133.18	--	110.96	--
	Gross Margin (A-D)	(26.95)	--	(22.45)	--
	Return to Unpaid Labour (A-E+B14)	(40.99)	--	(34.15)	--
	Return to Investment (A-E+C4)	(41.53)	--	(34.60)	--
	Return to Equity (A-E)	(47.00)	--	(39.16)	--

Investment

Buildings	20.16	--
Machinery	132.56	--
Irrigation Machinery	0.00	--
Total (incl. Land)	152.73	--

Management

Average Yield	(Tonne/acre)	1.20	--
Expected Market Price	(\$/Tonne)	61.43	--

2002 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	141.36	290.68	37.04	53.09
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	0.80	0.02	0.21	0.00
Gross Receipts		142.16	290.69	37.25	53.09
(B)	Cost Items				
	1. Seed	2.71	8.43	0.71	1.54
	2. Fertilizer	6.91	4.26	1.81	0.78
	3. Chemical	2.86	0.00	0.75	0.00
	4. Hail/Crop Insurance Premium	0.00	0.00	0.00	0.00
	5. Trucking and Marketing	0.15	0.46	0.04	0.08
	6. Fuel	10.07	9.29	2.64	1.70
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	9.36	7.19	2.45	1.31
	9. Repairs - Buildings	0.51	0.29	0.13	0.05
	10. Utilities and Miscellaneous	12.04	22.16	3.15	4.05
	11. Custom Work	8.37	23.69	2.19	4.33
	12. Operating Interest Paid	0.23	0.22	0.06	0.04
	13. Paid Labour	1.88	1.39	0.49	0.25
	14. Unpaid Labour	10.50	10.65	2.75	1.95
Variable Costs		65.60	88.03	17.19	16.08
(C)	1. Cash/ Share Land Rent	15.08	27.68	3.95	5.05
	2. Taxes, Water Rates, License & Ins.	3.38	2.37	0.89	0.43
	3. Equipment and Building: a) Depreciation	27.95	24.22	7.32	4.42
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	1.94	1.21	0.51	10.13
Capital Costs		48.35	55.47	12.67	20.04
(D)	Cash Costs (B+C-B14-C3a)	75.51	108.63	19.79	29.75
(E)	Total Production Costs (B+C)	113.96	143.50	29.86	36.12
	Gross Margin (A-D)	66.65	182.06	17.47	23.34
	Return to Unpaid Labour (A-E+B14)	38.70	157.84	10.14	18.92
	Return to Investment (A-E+C4)	30.14	148.40	7.90	27.10
	Return to Equity (A-E)	28.20	147.19	7.39	16.97

Investment

Buildings	58.12	47.73
Machinery	247.26	204.54
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1051.14	252.27

Management

Average Yield	(Tonne/acre)	3.82	5.48
Expected Market Price	(\$/Tonne)	37.04	53.09

2002 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	186.12	--	51.50	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	0.02	--	0.01	--
Gross Receipts		186.14	0.00	51.51	0.00
(B)	Cost Items				
	1. Seed	4.54	--	1.26	--
	2. Fertilizer	4.79	--	1.33	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--
	5. Trucking and Marketing	0.25	--	0.07	--
	6. Fuel	8.30	--	2.30	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	6.63	--	1.83	--
	9. Repairs - Buildings	0.16	--	0.04	--
	10. Utilities and Miscellaneous	14.49	--	4.01	--
	11. Custom Work	13.37	--	3.70	--
	12. Operating Interest Paid	0.25	--	0.07	--
	13. Paid Labour	1.31	--	0.36	--
	14. Unpaid Labour	10.64	--	2.95	--
Variable Costs		64.74	0.00	17.91	0.00
(C)	1. Cash/ Share Land Rent	25.25	--	6.99	--
	2. Taxes, Water Rates, License & Ins.	2.34	--	0.65	--
	3. Equipment and Building: a) Depreciation	22.64	--	6.26	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	1.50	--	0.42	--
Capital Costs		51.73	0.00	14.31	0.00
(D)	Cash Costs (B+C-B14-C3a)	83.18	--	23.02	--
(E)	Total Production Costs (B+C)	116.46	--	32.23	--
	Gross Margin (A-D)	102.96	--	28.49	--
	Return to Unpaid Labour (A-E+B14)	80.32	--	22.23	--
	Return to Investment (A-E+C4)	71.18	--	19.70	--
	Return to Equity (A-E)	69.68	--	19.28	--

Investment

Buildings	38.92	--
Machinery	196.74	--
Irrigation Machinery	0.00	--
Total (incl. Land)	235.65	--

Management

Average Yield	(Tonne/acre)	3.61	--
Expected Market Price	(\$/Tonne)	51.50	--

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 0 bushels per acre and the high is greater than 35 bushels per acre, and
- Over 95% of the spring wheat fields in the black soil zone yield less than 25 bushels per acre

This detailed information provides a better understanding of yield variability. The average yield is 10.44 bushels per acre as listed on page 9 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 \$5 per bushel, then 25% of the fields are covering their cash costs and 20% 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

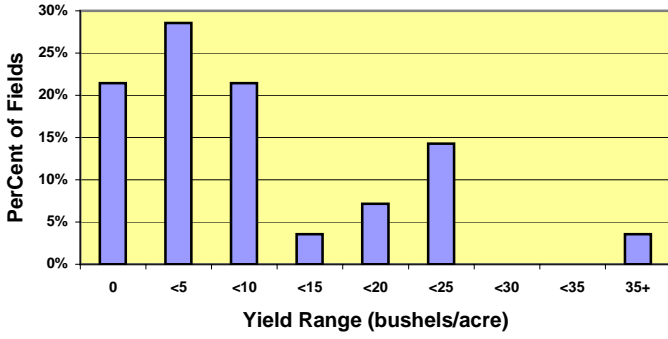
a cash flow point of view, the gross margin provides an indication of the crop's ability to contribute to principal payments and operator withdrawals. From a profitability perspective, gross margin is what is leftover to cover the non-cash costs and provide a return on investment.

The final set of graphs shows the distribution of returns to equity, or profit per unit of production. This example shows that 75% of the fields had a loss and 20% 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.

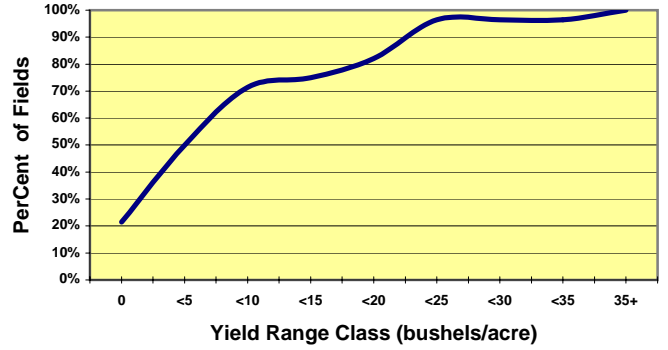
Understanding these concepts in *AgriProfit\$* and evaluating historical performance on a per bushel basis can be very useful for other AAFRD applications. For example, [CropChoice\\$](#) is a tool that combines traditional crop planning with the ability to measure the riskiness of your plan. Producers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

Black Soil Zone - Spring Wheat: 2002

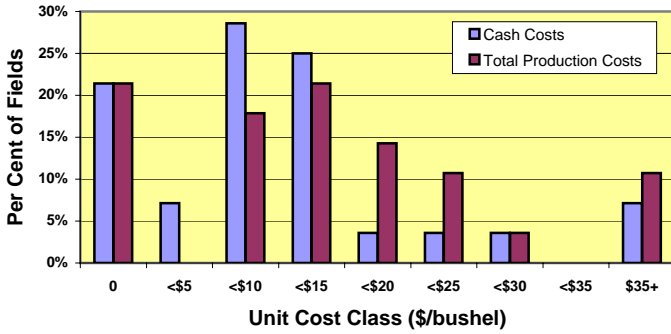
Frequency Distribution: Black Soil Zone - Spring Wheat Yields



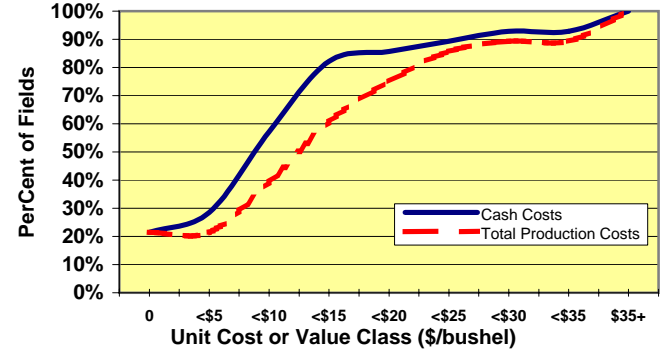
Cumulative Frequency Distribution of Black Soil Zone - Spring Wheat Yields



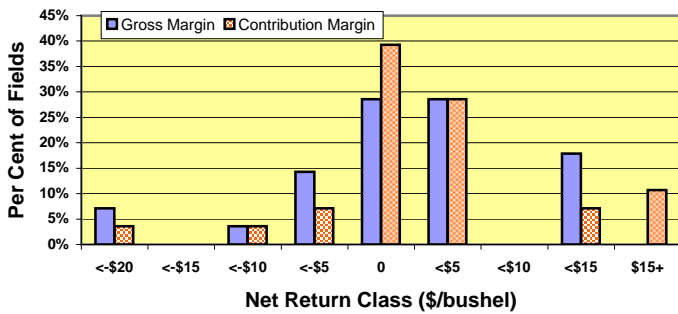
Frequency Distribution: Black Soil Zone - Spring Wheat Costs



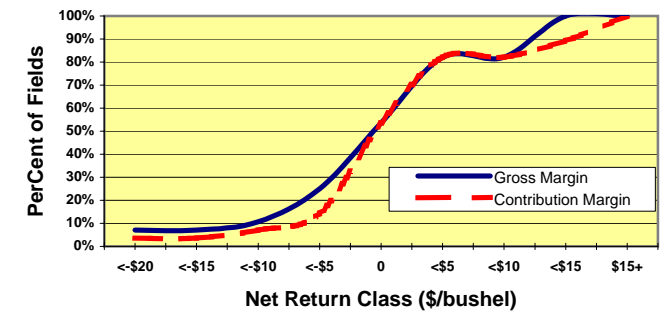
Cumulative Frequency Distribution of Black Soil Zone - Spring Wheat Costs



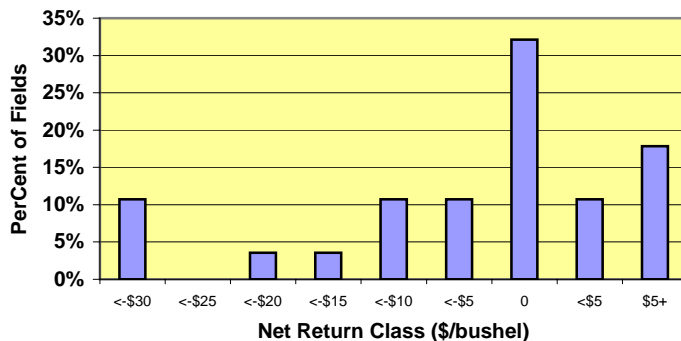
Frequency Distribution: Black Soil Zone - Spring Wheat Margins



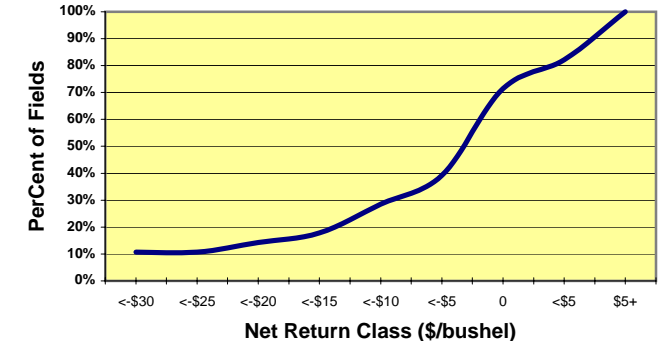
Cumulative Frequency Distribution of Black Soil Zone - Spring Wheat Margins



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

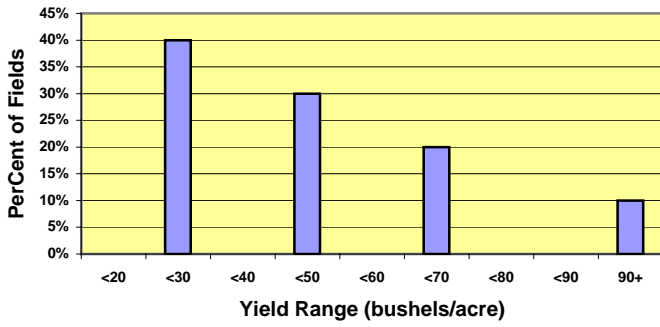


Cumulative Frequency Distribution of Black Soil Zone - Spring Wheat Return To Equity

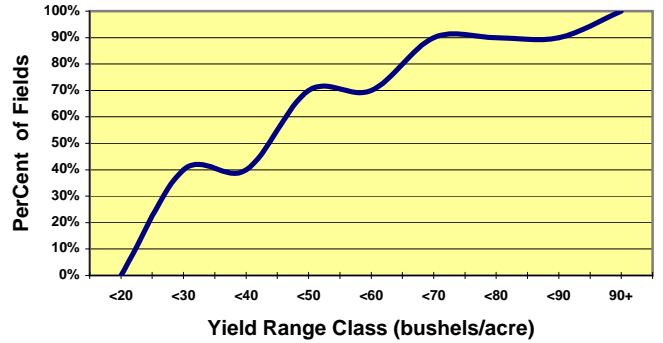


Black Soil Zone - Malt Barley: 2002

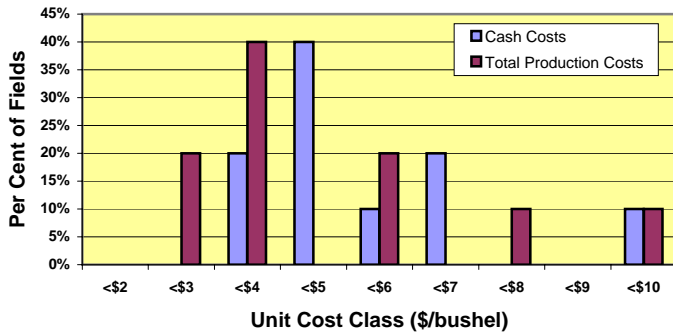
Frequency Distribution: Black Soil Zone - Malt Barley Yields



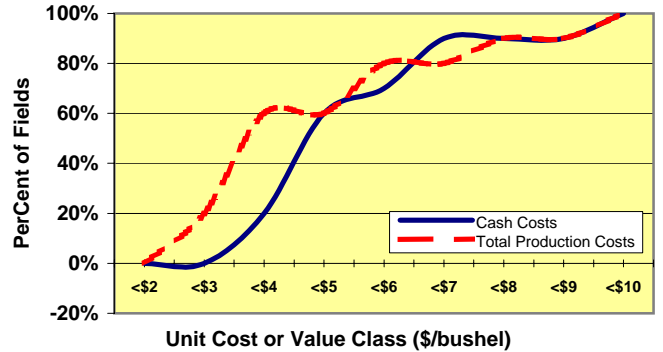
Cumulative Frequency Distribution of Black Soil Zone - Malt Barley Yields



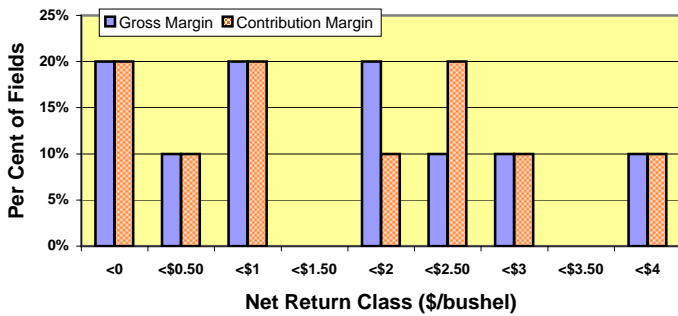
Frequency Distribution: Black Soil Zone - Malt Barley Costs



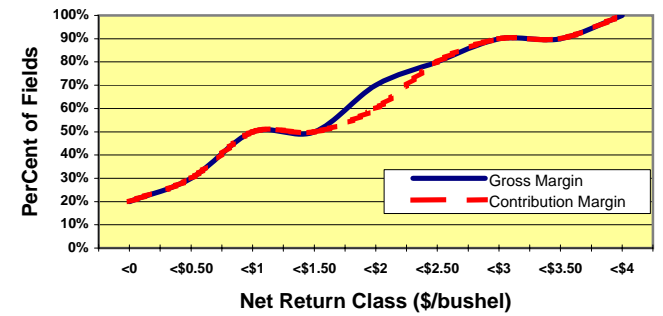
Cumulative Frequency Distribution of Black Soil Zone - Malt Barley Costs



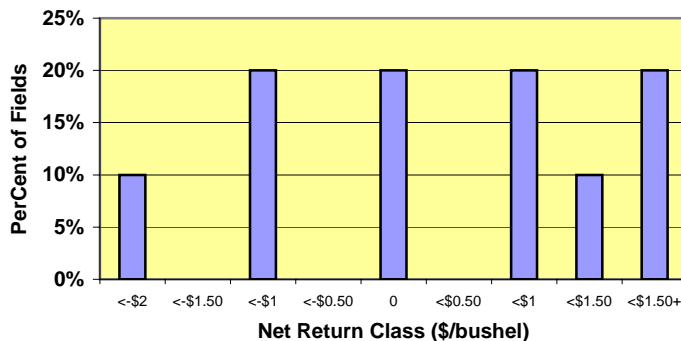
Frequency Distribution: Black Soil Zone - Malt Barley Margins



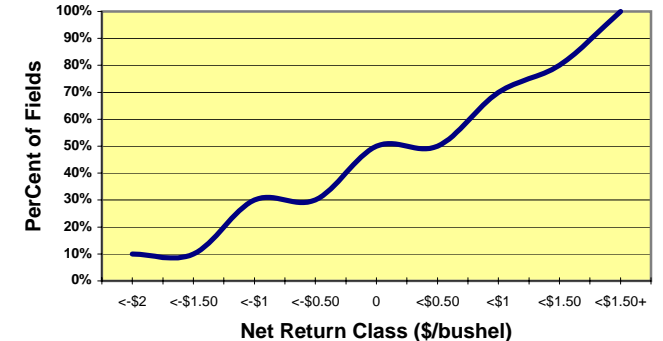
Cumulative Frequency Distribution of Black Soil Zone - Malt Barley Margins



Frequency Distribution: Black Soil Zone - Malt Barley Return To Equity

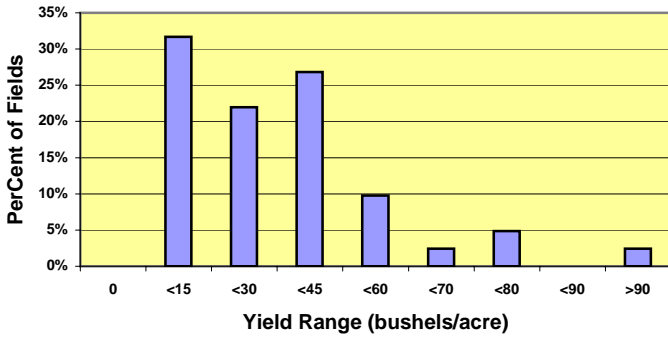


Cumulative Frequency Distribution of Black Soil Zone - Malt Barley Return To Equity

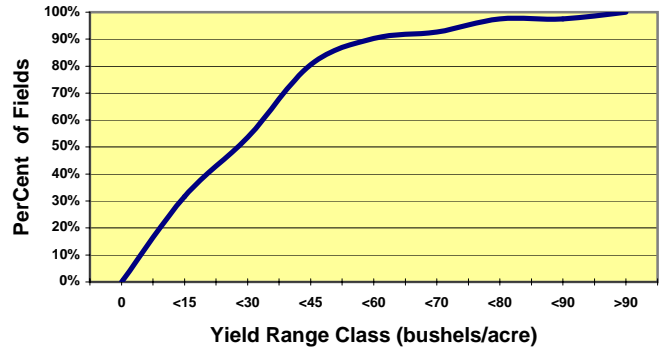


Black Soil Zone - Feed Barley: 2002

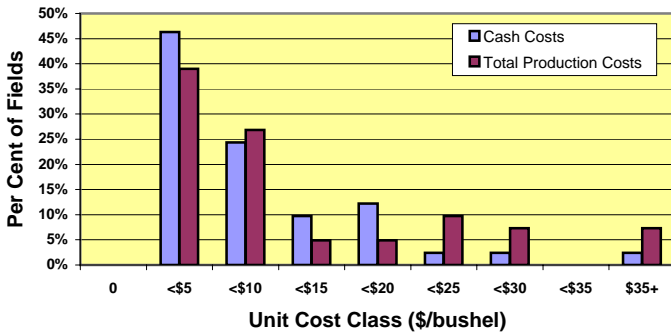
Frequency Distribution: Black Soil Zone - Feed Barley Yields



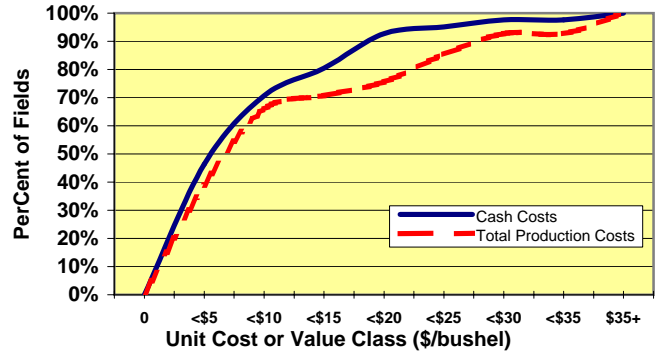
Cumulative Frequency Distribution of Black Soil Zone - Feed Barley Yields



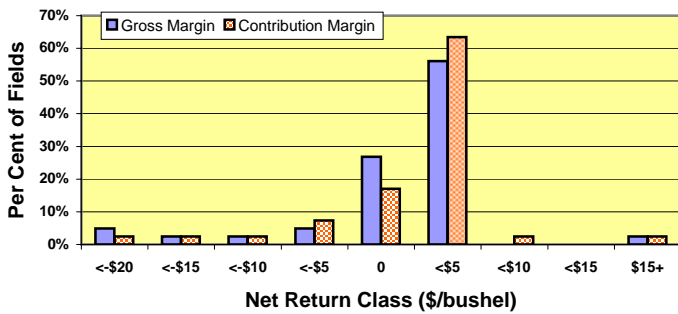
Frequency Distribution: Black Soil Zone - Feed Barley Costs



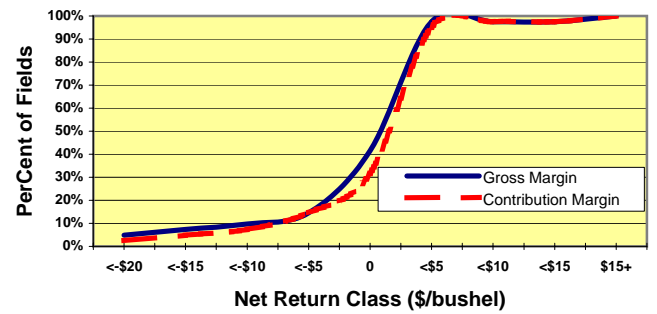
Cumulative Frequency Distribution of Black Soil Zone - Feed Barley Costs



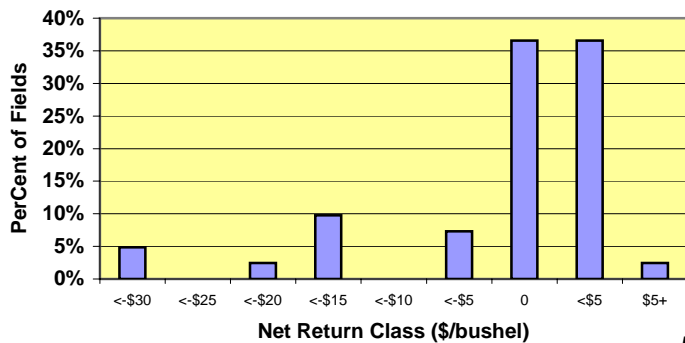
Frequency Distribution: Black Soil Zone - Feed Barley Margins



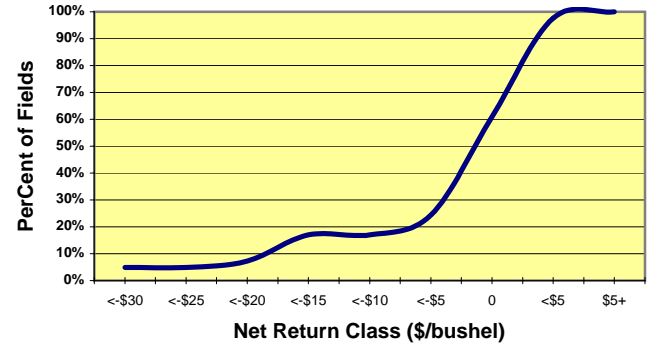
Cumulative Frequency Distribution of Black Soil Zone - Feed Barley Margins



Frequency Distribution: Black Soil Zone - Feed Barley Return To Equity

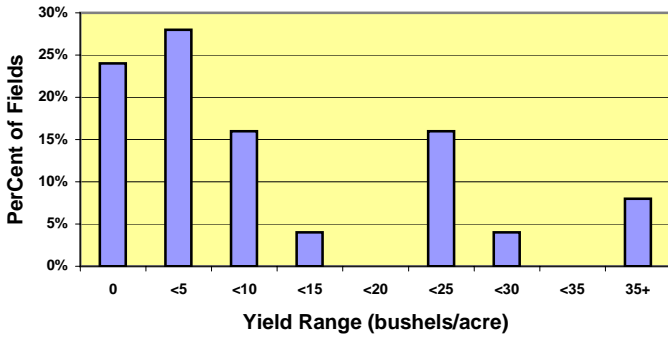


Cumulative Frequency Distribution of Black Soil Zone - Feed Barley Return To Equity

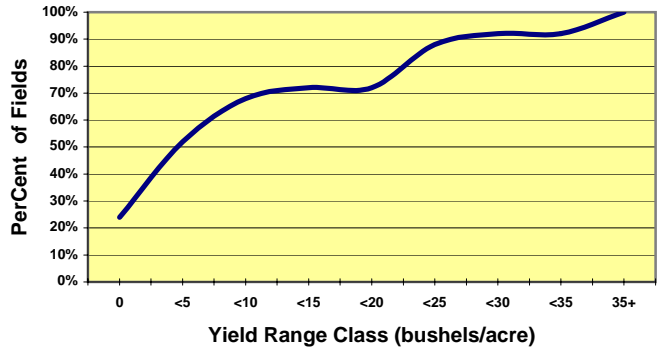


Black Soil Zone - Roundup Ready Canola: 2002

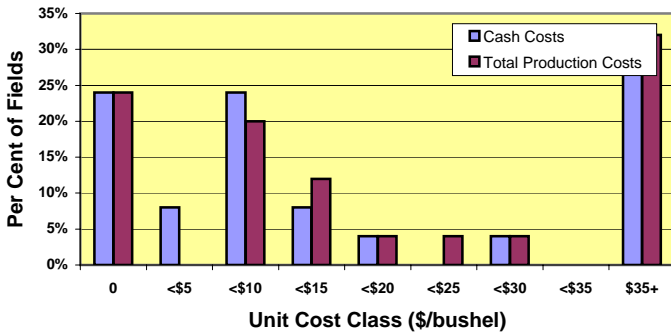
Frequency Distribution: Black Soil Zone - Roundup Ready Canola Yields



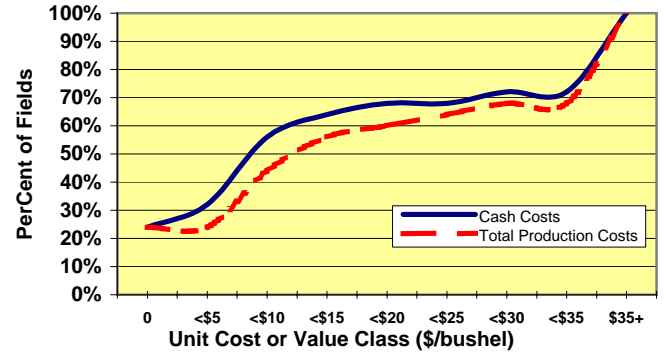
Cumulative Frequency Distribution of Black Soil Zone - Roundup Ready Canola Yields



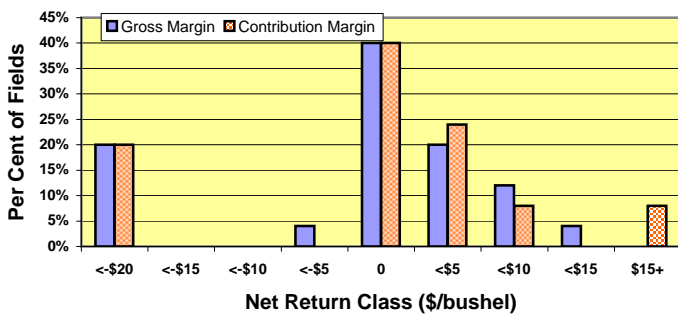
Frequency Distribution: Black Soil Zone - Roundup Ready Canola Costs



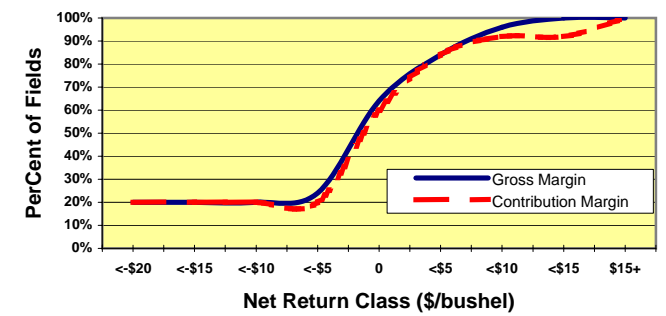
Cumulative Frequency Distribution of Black Soil Zone - Roundup Ready Canola Costs



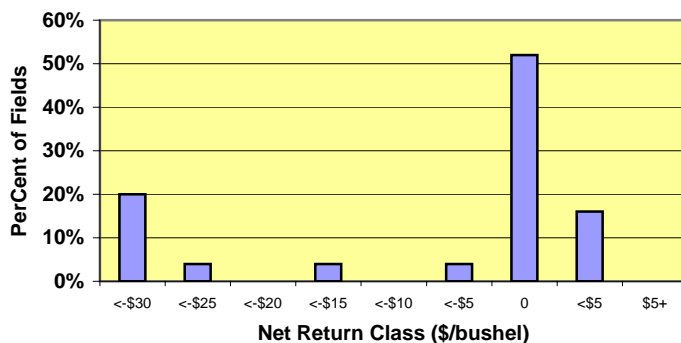
Frequency Distribution: Black Soil Zone - Roundup Ready Canola Margins



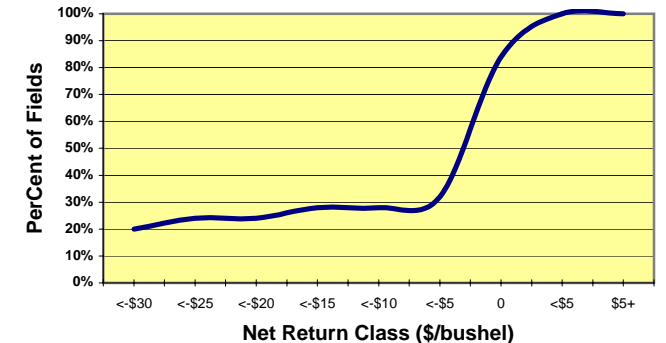
Cumulative Frequency Distribution of Black Soil Zone - Roundup Ready Canola Margins



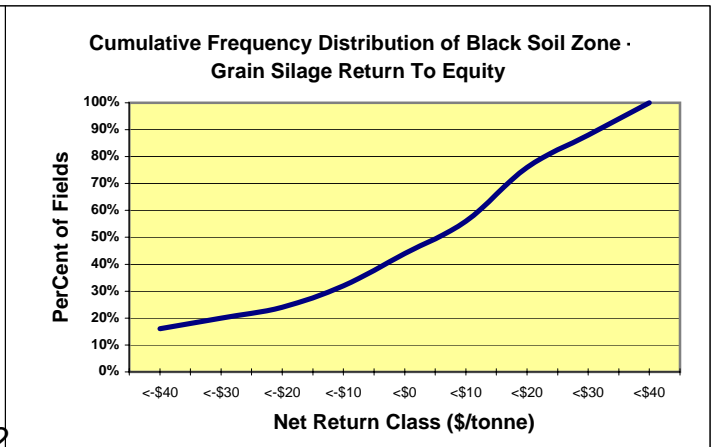
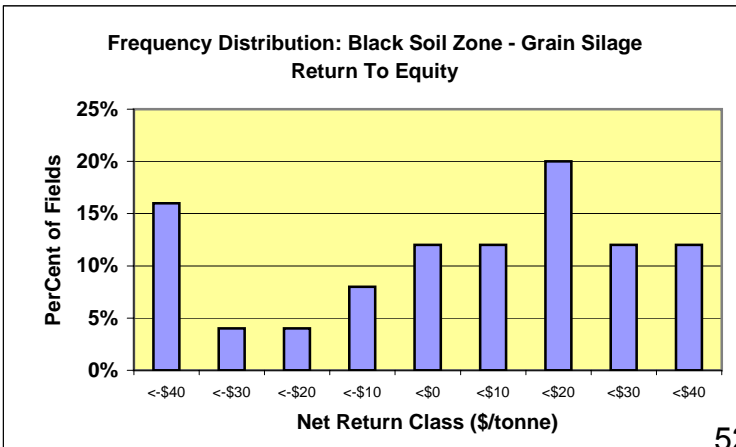
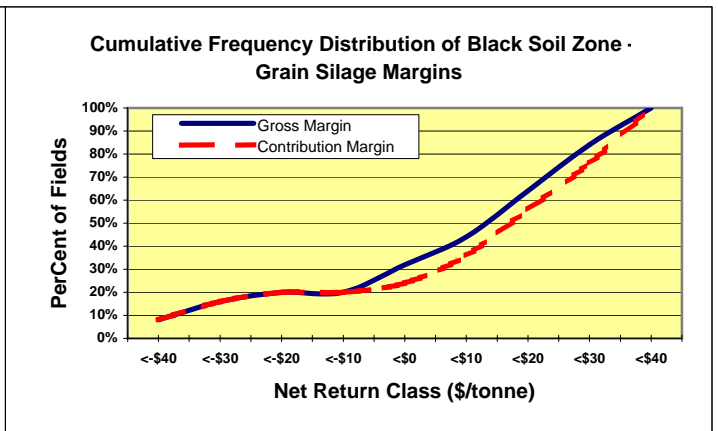
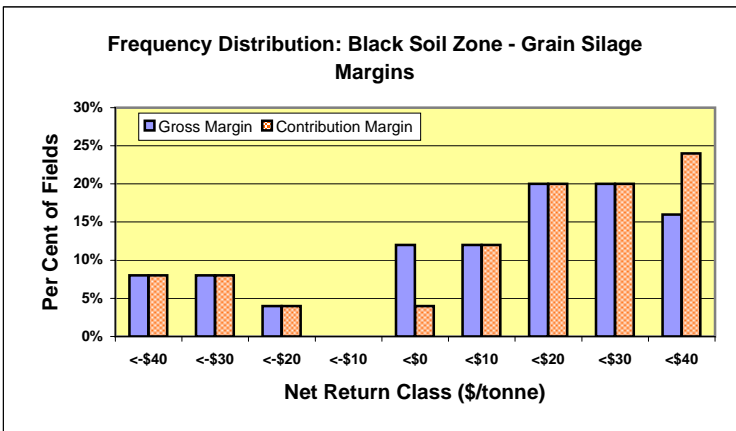
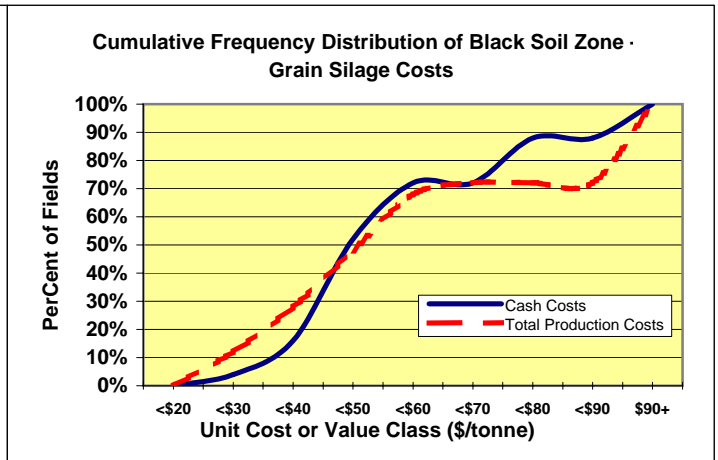
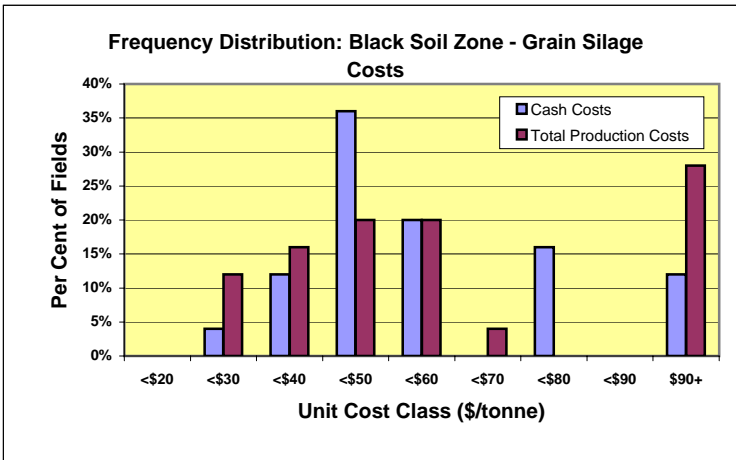
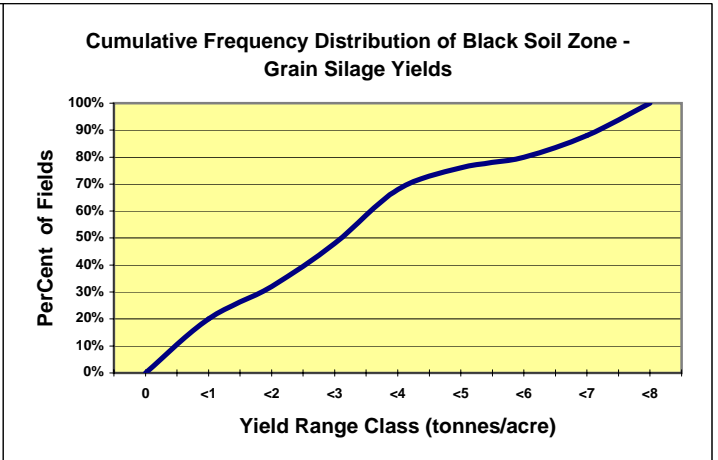
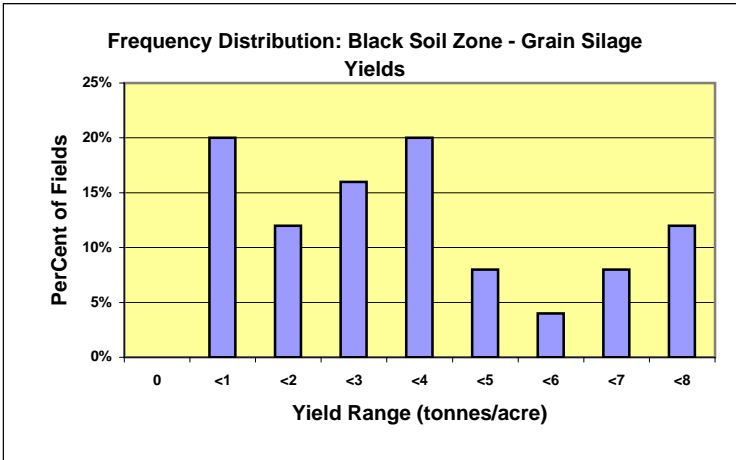
Frequency Distribution: Black Soil Zone - Roundup Ready Canola Return To Equity



Cumulative Frequency Distribution of Black Soil Zone - Roundup Ready Canola Return To Equity



Black Soil Zone - Grain Silage: 2002



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