

AgriProfit\$

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

July, 2007

Alberta Agriculture and Food



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2005 Black Soil Zone

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OVERVIEW

2005 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 and Food (AF) Economics Unit compiles all the information into this summary package. This detailed and world-class database is used for extension and research purposes.

In this package you will find a brief summary of various field crops and forages grown in the 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 in Alberta. Please note that farms highlighted within this zone may contain characteristics of neighbouring soil zones, however, this is the grouping method used for this study.

The map on the lower right highlights the locations of participating farmers for the 2005 program season.

For questions regarding this document please contact:

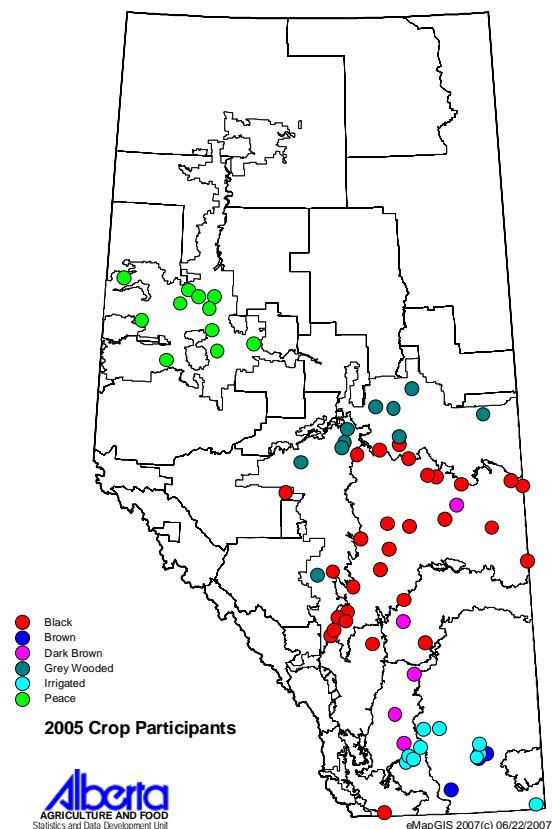
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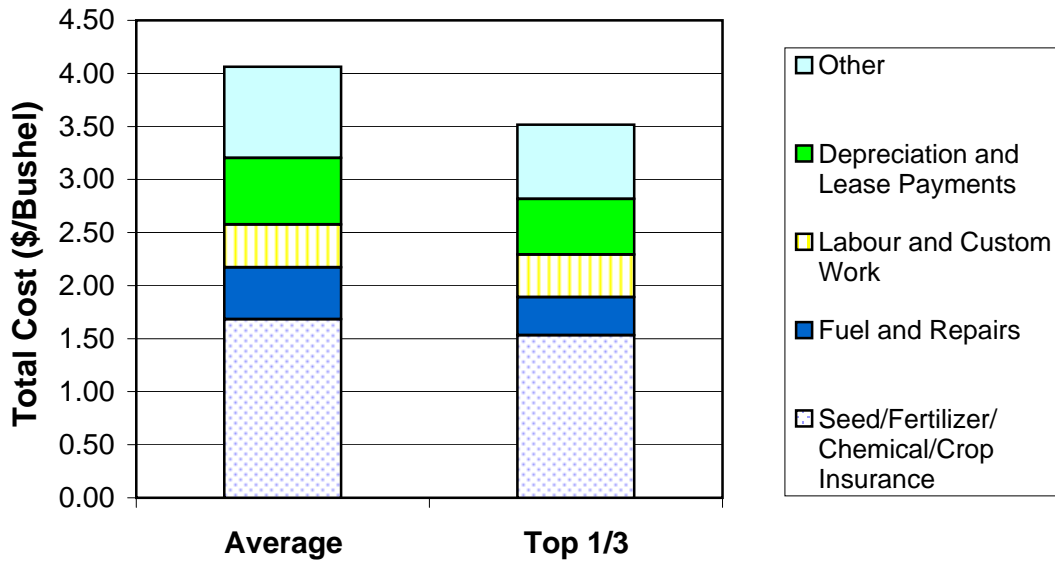
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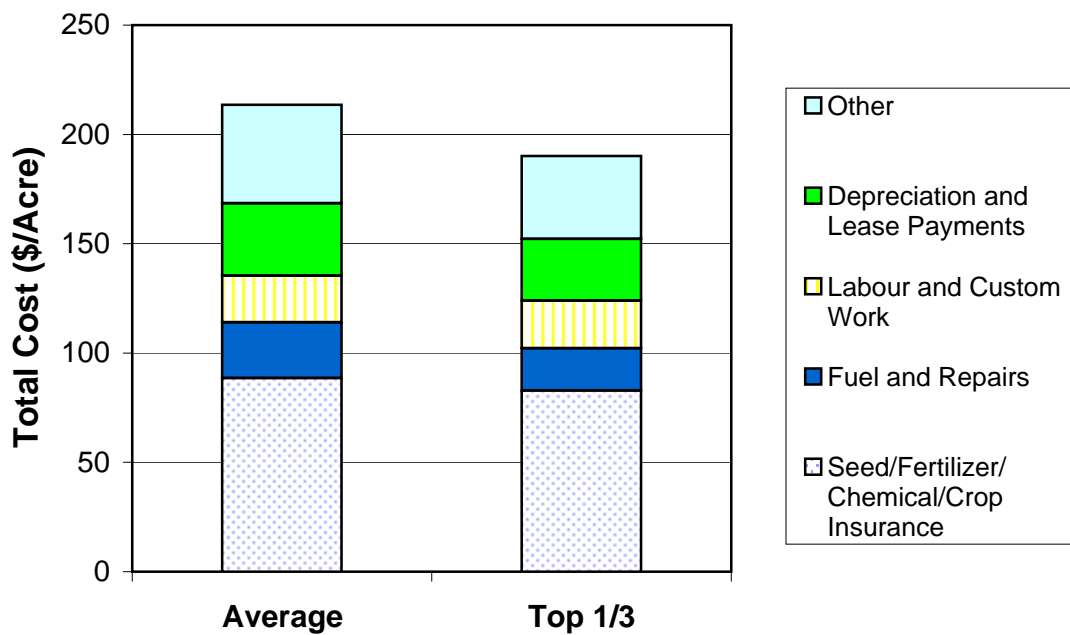
Renn Breitzkreuz, Dale Kaliel, Pauline Van Biert, Shukun Guan, Guangzhi Liu, Nabi Chaudhary, Richard Stadlwieser, Interviewers and Participants



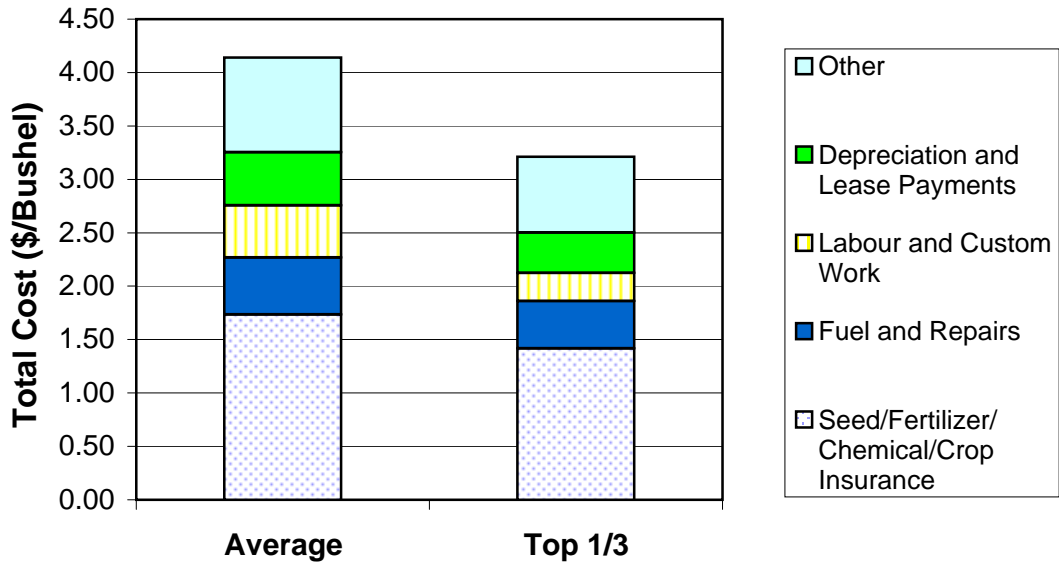
2005 Spring Wheat on Black Soil Zones



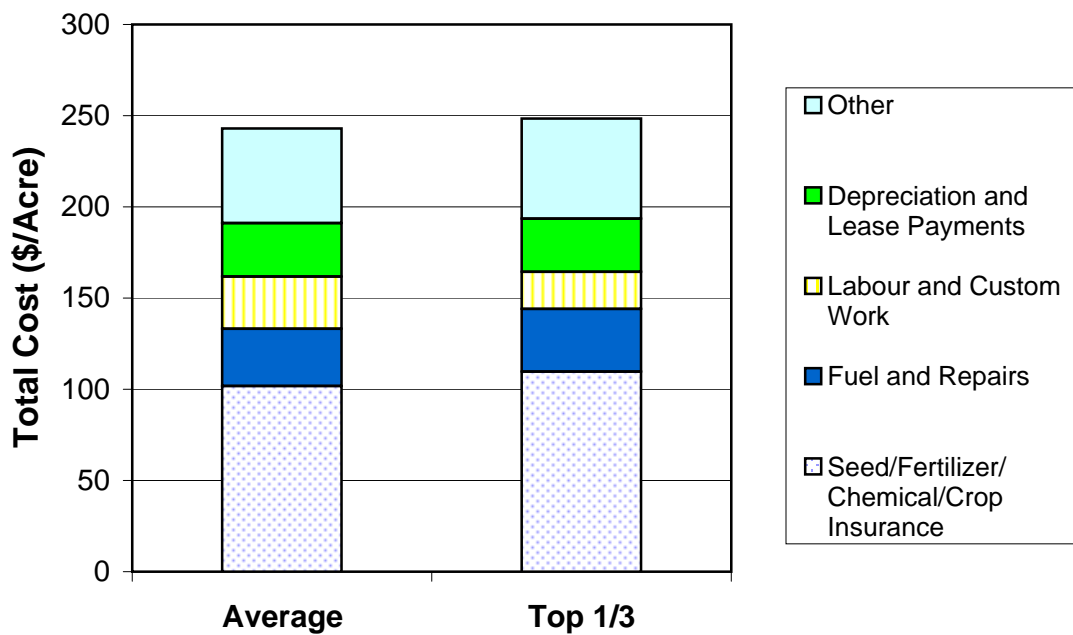
2005 Spring Wheat on Black Soil Zones



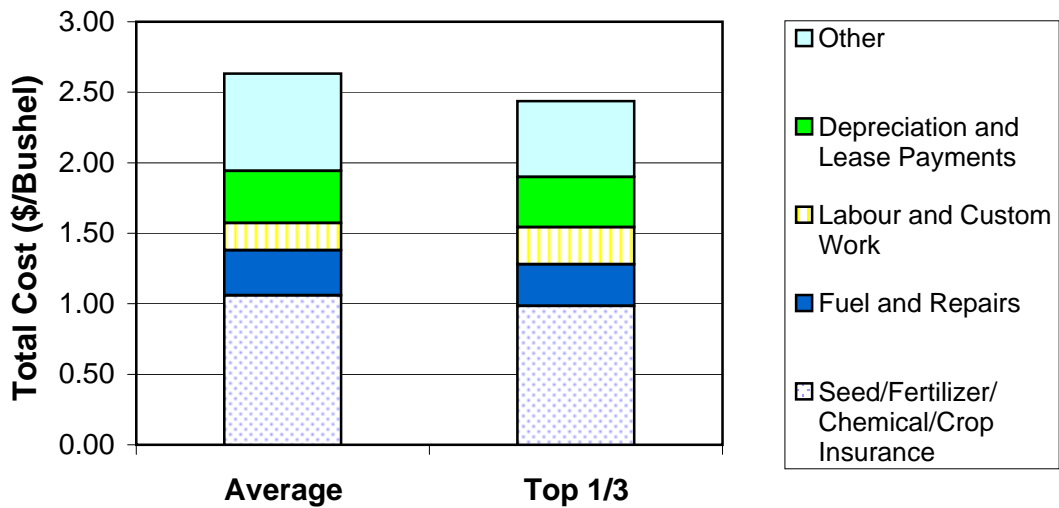
2005 CPS Wheat on Black Soil Zones



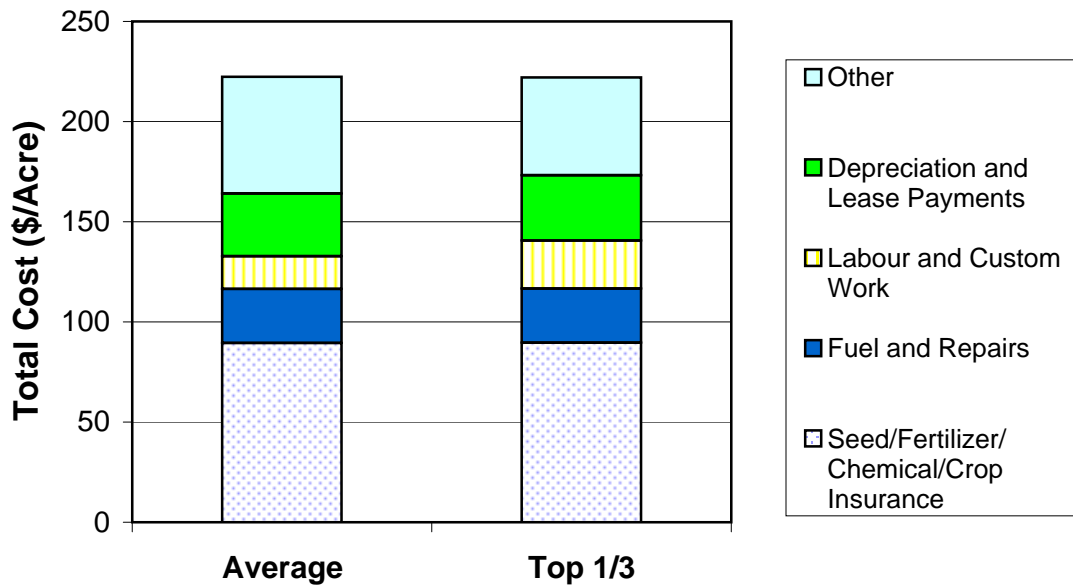
2005 CPS Wheat on Black Soil Zones



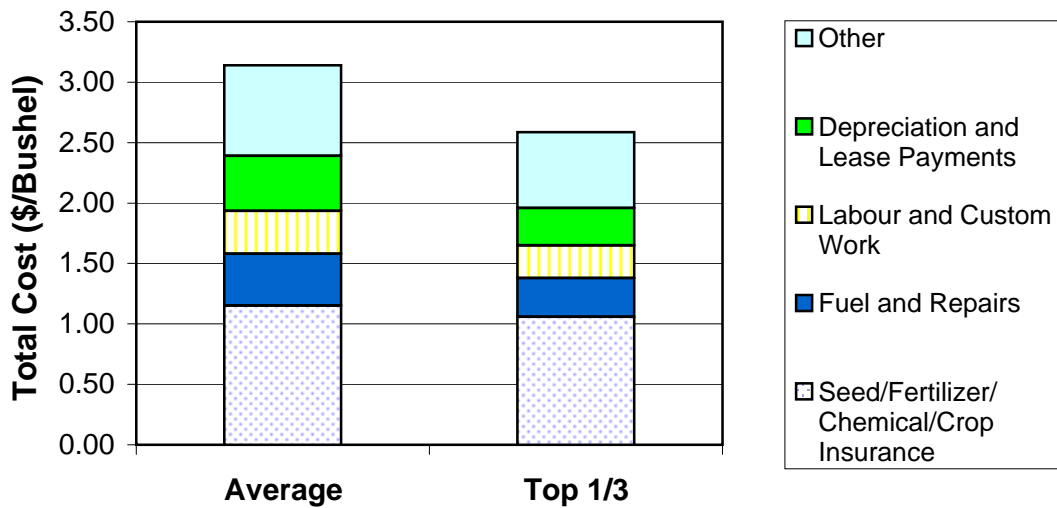
2005 Malt Barley on Black Soil Zones



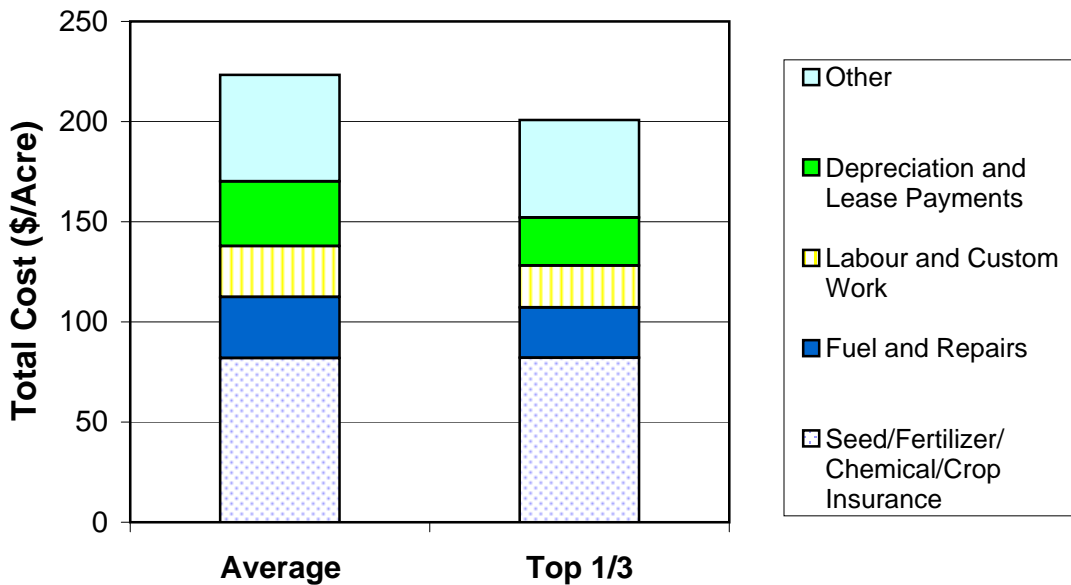
2005 Malt Barley on Black Soil Zones



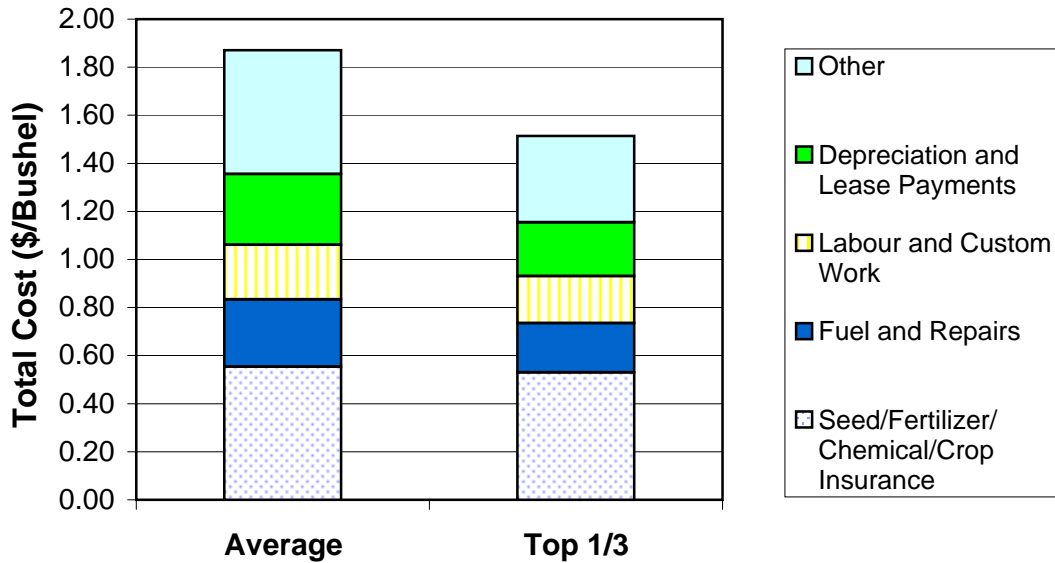
2005 Feed Barley on Black Soil Zones



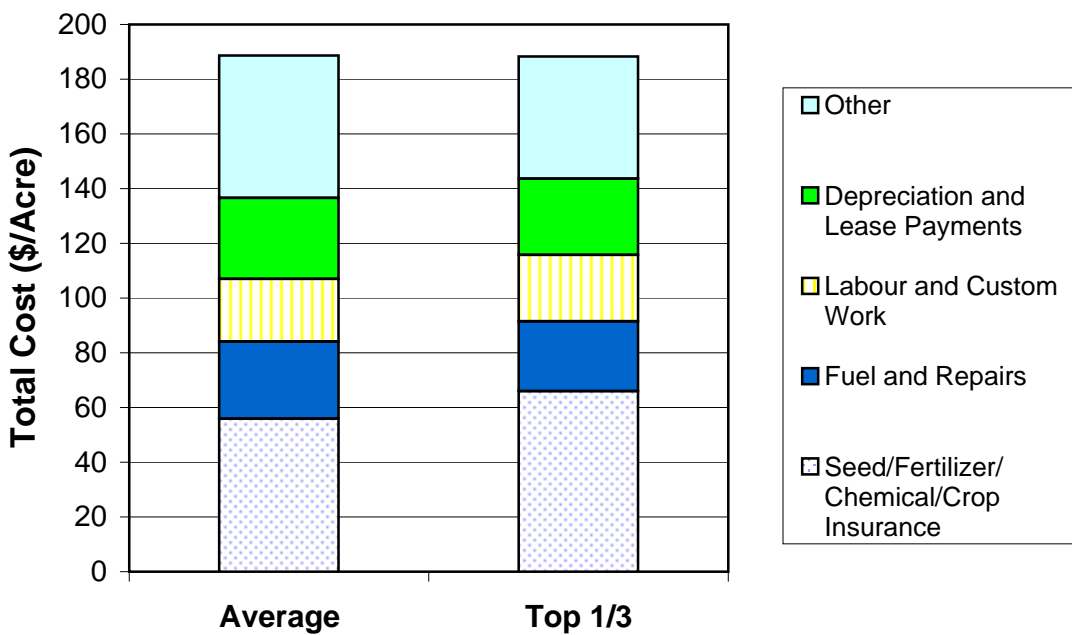
2005 Feed Barley on Black Soil Zones



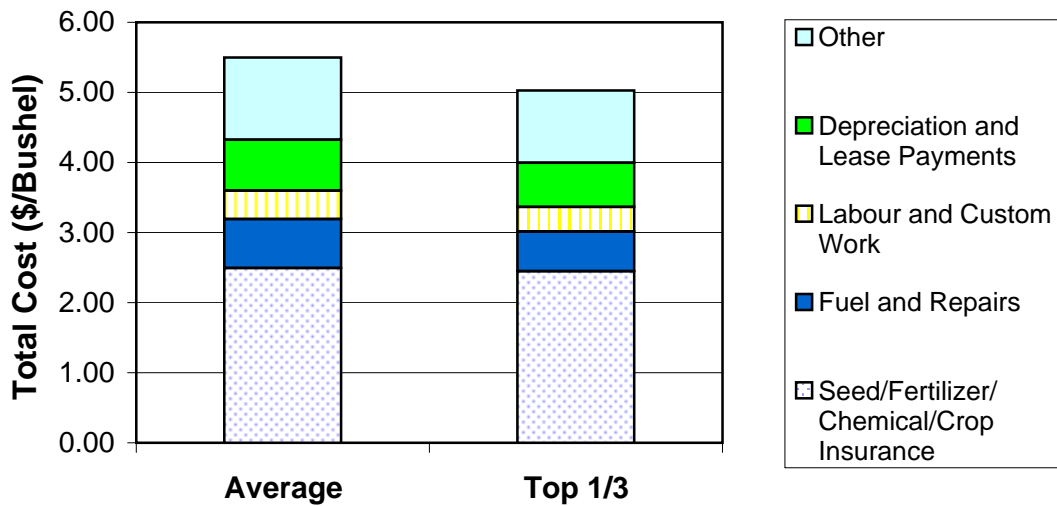
2005 Oats on Black Soil Zones



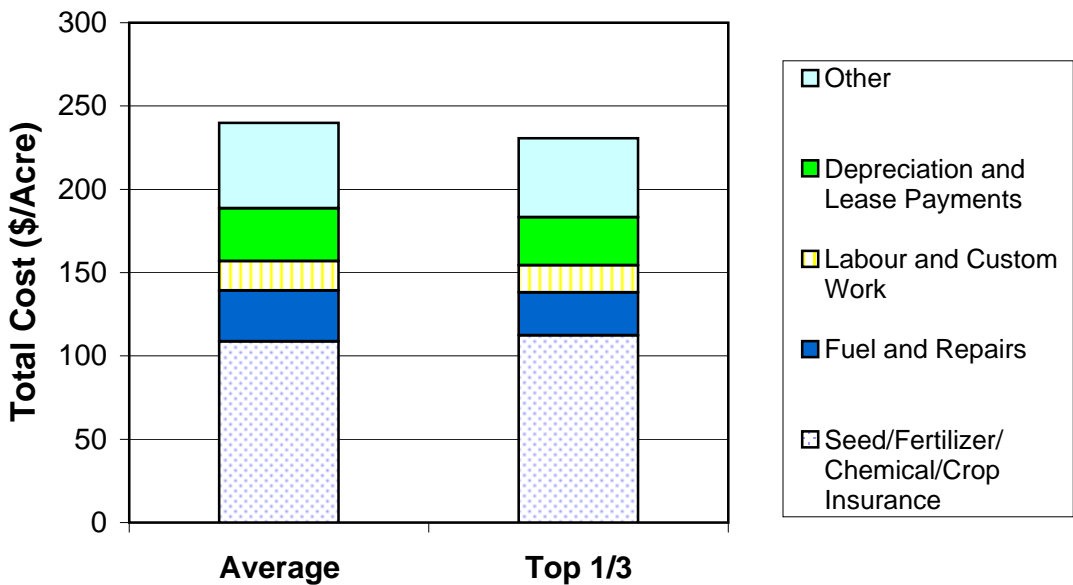
2005 Oats on Black Soil Zones



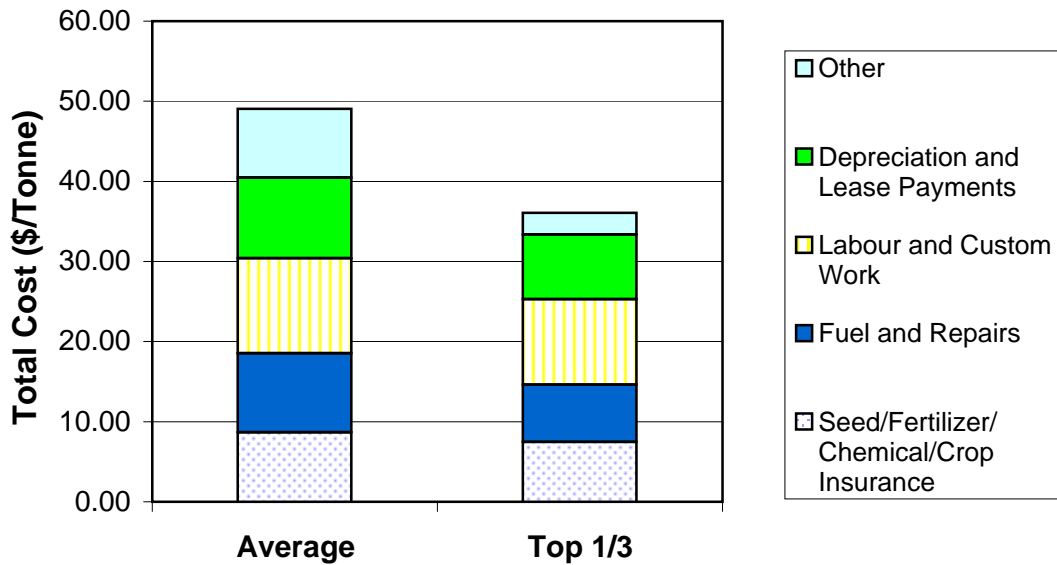
2005 Roundup Ready Canola on Black Soil Zones



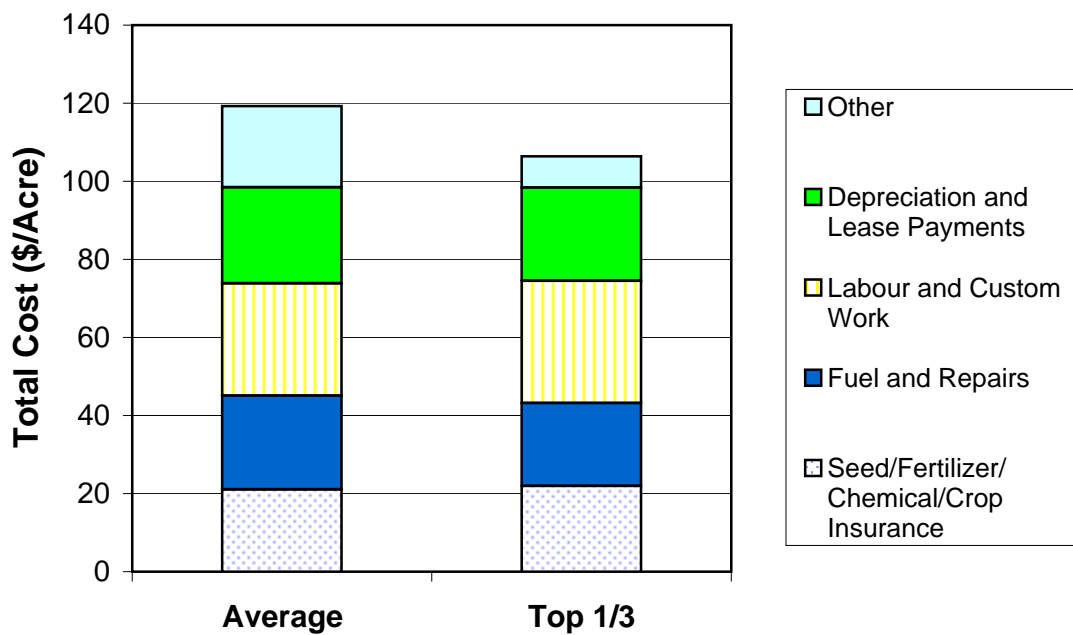
2005 Roundup Ready Canola on Black Soil Zones



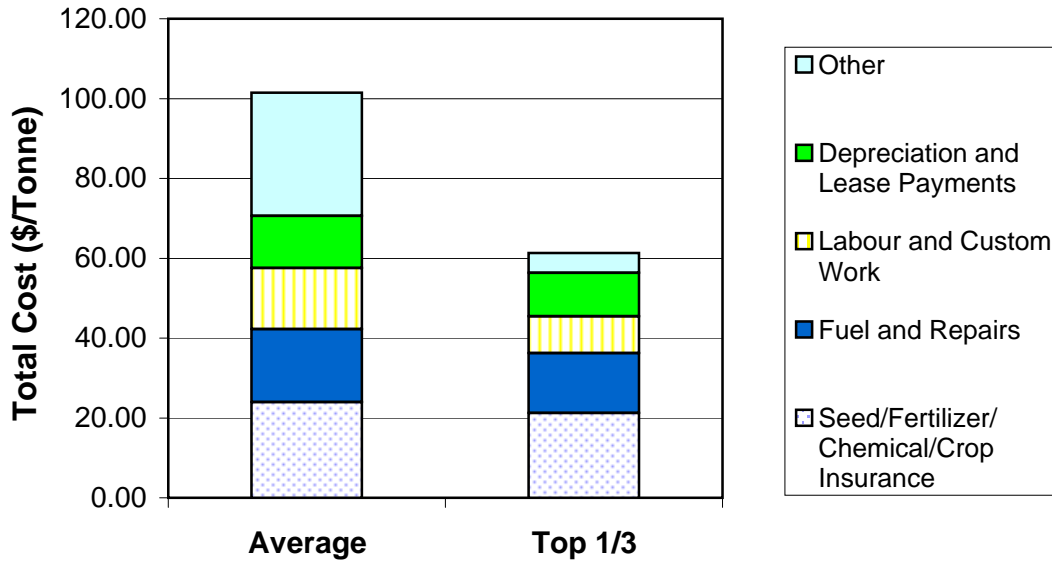
2005 Mixed Hay on Black Soil Zones



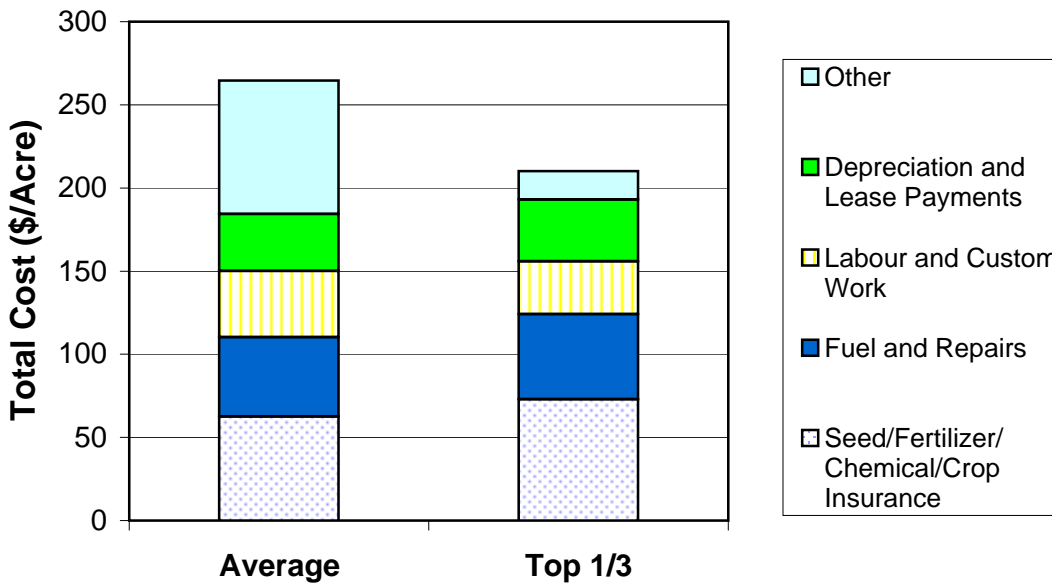
2005 Mixed Hay on Black Soil Zones



2005 Export Timothy on Black Soil Zones



2005 Export Timothy on Black Soil Zones



2005 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	159.24	197.64	3.03	3.66	
	2. Crop Insurance Receipts	6.74	4.74	0.13	0.09	
	3. Other Receipts	3.53	4.49	0.07	0.08	
	Gross Receipts	169.51	206.87	3.22	3.83	
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(B)	Cost Items					
	1. Seed	14.89	14.90	0.28	0.28	
	2. Fertilizer	39.32	35.47	0.75	0.66	
	3. Chemical	24.37	21.18	0.46	0.39	
	4. Hail/Crop Insurance Premium	9.96	11.27	0.19	0.21	
	5. Trucking and Marketing	4.03	0.68	0.08	0.01	
	6. Fuel	13.15	11.20	0.25	0.21	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	11.37	7.82	0.22	0.14	
	9. Repairs - Buildings	1.02	0.37	0.02	0.01	
	10. Utilities and Miscellaneous	8.23	3.79	0.16	0.07	
	11. Custom Work	3.17	4.36	0.06	0.08	
	12. Operating Interest Paid	1.77	0.97	0.03	0.02	
	13. Paid Labour	8.21	9.22	0.16	0.17	
	14. Unpaid Labour	9.92	8.14	0.19	0.15	
	Variable Costs	149.43	129.36	2.84	2.39	
<hr/>						
(C)	1. Cash/ Share Land Rent	20.30	23.31	0.39	0.43	
	2. Taxes, Water Rates, License & Ins.	5.71	5.62	0.11	0.10	
	3. Equipment and Building:	a) Depreciation	31.25	28.33	0.59	0.52
		b) Lease Payments	1.80	0.00	0.03	0.00
	4. Paid Capital Interest	5.12	3.45	0.10	1.12	
	Capital Costs	64.19	60.70	1.22	2.18	
<hr/>						
(D)	Cash Costs	172.45	153.60	3.28	3.90	
(E)	Total Production Costs	213.62	190.07	4.06	4.58	
	Gross Margin	(2.94)	53.27	(0.06)	(0.07)	
	Return to Unpaid Labour	(34.19)	24.94	(0.65)	(0.60)	
	Return to Investment	(39.00)	20.25	(0.74)	0.37	
	Return to Equity	(44.12)	16.80	(0.84)	(0.75)	

Investment

Buildings	99.16	97.68
Machinery	293.42	262.15
Irrigation Machinery	0.00	0.00
Total (incl. Land)	898.28	822.34

Management

Average Yield	(Bushel/acre)	52.57	54.04
Expected Market Price	(\$/Bushel)	3.03	3.66

2005 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	158.27	191.54	2.84	3.39
	2. Crop Insurance Receipts	8.42	10.98	0.15	0.19
	3. Other Receipts	3.45	5.31	0.06	0.09
	Gross Receipts	170.14	207.83	3.05	3.68
(B)	Cost Items				
	1. Seed	15.34	16.79	0.27	0.30
	2. Fertilizer	40.56	39.04	0.73	0.69
	3. Chemical	23.58	21.08	0.42	0.37
	4. Hail/Crop Insurance Premium	10.46	12.69	0.19	0.22
	5. Trucking and Marketing	4.18	0.53	0.07	0.01
	6. Fuel	12.91	11.22	0.23	0.20
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	9.57	8.09	0.17	0.14
	9. Repairs - Buildings	1.38	0.43	0.02	0.01
	10. Utilities and Miscellaneous	10.02	4.62	0.18	0.08
	11. Custom Work	3.74	4.26	0.07	0.08
	12. Operating Interest Paid	1.56	1.11	0.03	0.02
	13. Paid Labour	7.18	9.87	0.13	0.17
	14. Unpaid Labour	10.33	8.27	0.19	0.15
	Variable Costs	150.82	138.00	2.70	2.44
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	8.48	8.42	0.15	0.15
	3. Equipment and Building: a) Depreciation	32.13	27.64	0.58	0.49
	b) Lease Payments	1.78	0.00	0.03	0.00
	4. Paid Capital Interest	8.42	5.03	0.15	0.73
	Capital Costs	50.81	41.08	0.91	1.36
(D)	Cash Costs (B+C-B14-C3a)	159.16	143.17	2.85	3.17
(E)	Total Production Costs (B+C)	201.62	179.08	3.61	3.81
	Gross Margin (A-D)	10.97	64.66	0.20	0.51
	Return to Unpaid Labour (A-E+B14)	(21.16)	37.02	(0.38)	0.02
	Return to Investment (A-E+C4)	(23.07)	33.78	(0.41)	0.60
	Return to Equity (A-E)	(31.49)	28.75	(0.56)	(0.13)

Investment

Buildings	114.43	103.41
Machinery	294.45	247.90
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1478.81	1422.62

Management

Average Yield (Bushel/acre)	55.82	56.53
Expected Market Price (\$/Bushel)	2.84	3.39

2005 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	160.11	202.26	3.22	3.88
	2. Crop Insurance Receipts	5.24	0.00	0.11	0.00
	3. Other Receipts	3.59	3.87	0.07	0.07
	Gross Receipts	168.94	206.14	3.40	3.95
(B)	Cost Items				
	1. Seed	14.49	13.46	0.29	0.26
	2. Fertilizer	38.21	32.76	0.77	0.63
	3. Chemical	25.09	21.25	0.51	0.41
	4. Hail/Crop Insurance Premium	9.51	10.20	0.19	0.20
	5. Trucking and Marketing	3.90	0.79	0.08	0.02
	6. Fuel	13.37	11.19	0.27	0.21
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	12.99	7.61	0.26	0.15
	9. Repairs - Buildings	0.70	0.33	0.01	0.01
	10. Utilities and Miscellaneous	6.62	3.15	0.13	0.06
	11. Custom Work	2.66	4.43	0.05	0.09
	12. Operating Interest Paid	1.96	0.86	0.04	0.02
	13. Paid Labour	9.14	8.72	0.18	0.17
	14. Unpaid Labour	9.56	8.04	0.19	0.15
	Variable Costs	148.19	122.80	2.98	2.36
(C)	1. Cash/ Share Land Rent	38.49	41.01	0.78	0.79
	2. Taxes, Water Rates, License & Ins.	3.23	3.50	0.07	0.07
	3. Equipment and Building: a) Depreciation	30.47	28.85	0.61	0.55
	b) Lease Payments	1.83	0.00	0.04	0.00
4. Paid Capital Interest	2.17	2.25	0.04	1.45	
	Capital Costs	76.19	75.61	1.53	2.86
(D)	Cash Costs (B+C-B14-C3a)	184.35	161.52	3.71	4.50
(E)	Total Production Costs (B+C)	224.38	198.42	4.52	5.21
	Gross Margin (A-D)	(15.41)	44.62	(0.31)	(0.55)
	Return to Unpaid Labour (A-E+B14)	(45.88)	15.76	(0.92)	(1.10)
	Return to Investment (A-E+C4)	(53.27)	9.97	(1.07)	0.19
	Return to Equity (A-E)	(55.44)	7.72	(1.12)	(1.26)

Investment

Buildings	85.48	93.32
Machinery	292.50	272.98
Irrigation Machinery	0.00	0.00
Total (incl. Land)	377.98	366.30

Management

Average Yield (Bushel/acre)	49.66	52.14
Expected Market Price (\$/Bushel)	3.22	3.88

2005 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	153.48	235.78	2.62	3.05
	2. Crop Insurance Receipts	20.09	25.55	0.34	0.33
	3. Other Receipts	11.24	0.42	0.19	0.01
	Gross Receipts	184.82	261.75	3.15	3.38
(B)	Cost Items				
	1. Seed	16.78	14.95	0.29	0.19
	2. Fertilizer	43.46	49.40	0.74	0.64
	3. Chemical	28.12	32.45	0.48	0.42
	4. Hail/Crop Insurance Premium	13.44	12.77	0.23	0.17
	5. Trucking and Marketing	9.08	12.25	0.15	0.16
	6. Fuel	14.30	14.25	0.24	0.18
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	16.61	19.74	0.28	0.26
	9. Repairs - Buildings	0.44	0.46	0.01	0.01
	10. Utilities and Miscellaneous	9.97	14.16	0.17	0.18
	11. Custom Work	7.03	0.65	0.12	0.01
	12. Operating Interest Paid	4.92	4.86	0.08	0.06
	13. Paid Labour	11.03	11.17	0.19	0.14
	14. Unpaid Labour	10.47	8.56	0.18	0.11
	Variable Costs	185.65	195.66	3.16	2.53
(C)	1. Cash/ Share Land Rent	19.40	14.00	0.33	0.18
	2. Taxes, Water Rates, License & Ins.	4.14	5.92	0.07	0.08
	3. Equipment and Building: a) Depreciation	26.13	29.13	0.45	0.38
	b) Lease Payments	3.18	0.00	0.05	0.00
4. Paid Capital Interest	4.52	3.75	0.08	0.68	
	Capital Costs	57.37	52.80	0.98	1.32
(D)	Cash Costs (B+C-B14-C3a)	206.42	210.77	3.52	3.36
(E)	Total Production Costs (B+C)	243.02	248.45	4.14	3.85
	Gross Margin (A-D)	(21.60)	50.98	(0.37)	0.03
	Return to Unpaid Labour (A-E+B14)	(47.74)	21.86	(0.81)	(0.35)
	Return to Investment (A-E+C4)	(53.69)	17.05	(0.92)	0.22
	Return to Equity (A-E)	(58.21)	13.30	(0.99)	(0.46)

Investment

Buildings	83.41	64.66
Machinery	242.36	285.31
Irrigation Machinery	0.00	0.00
Total (incl. Land)	963.98	1563.72

Management

Average Yield (Bushel/acre)	58.68	77.36
Expected Market Price (\$/Bushel)	2.62	3.05

2005 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	155.37	--	2.64	--
	2. Crop Insurance Receipts	22.19	--	0.38	--
	3. Other Receipts	19.40	--	0.33	--
	Gross Receipts	196.97	0.00	3.34	0.00
(B)	Cost Items				
	1. Seed	13.33	--	0.23	--
	2. Fertilizer	42.72	--	0.73	--
	3. Chemical	28.91	--	0.49	--
	4. Hail/Crop Insurance Premium	13.75	--	0.23	--
	5. Trucking and Marketing	2.60	--	0.04	--
	6. Fuel	13.80	--	0.23	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	16.75	--	0.28	--
	9. Repairs - Buildings	0.39	--	0.01	--
	10. Utilities and Miscellaneous	11.61	--	0.20	--
	11. Custom Work	3.13	--	0.05	--
	12. Operating Interest Paid	3.07	--	0.05	--
	13. Paid Labour	7.34	--	0.12	--
	14. Unpaid Labour	8.80	--	0.15	--
	Variable Costs	166.20	0.00	2.82	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	6.87	--	0.12	--
	3. Equipment and Building: a) Depreciation	26.61	--	0.45	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	7.78	--	0.13	--	
	Capital Costs	41.27	0.00	0.70	0.00
(D)	Cash Costs	(B+C-B14-C3a)	172.06	--	2.92
(E)	Total Production Costs	(B+C)	207.47	--	3.52
	Gross Margin	(A-D)	24.91	--	0.42
	Return to Unpaid Labour	(A-E+B14)	(1.70)	--	(0.03)
	Return to Investment	(A-E+C4)	(2.72)	--	(0.05)
	Return to Equity	(A-E)	(10.50)	--	(0.18)

Investment

Buildings	88.27	--
Machinery	245.08	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1820.85	--

Management

Average Yield	(Bushel/acre)	58.91	--
Expected Market Price	(\$/Bushel)	2.64	--

2005 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	152.06	230.76	2.60	2.98
	2. Crop Insurance Receipts	18.51	7.50	0.32	0.10
	3. Other Receipts	5.11	0.55	0.09	0.01
	Gross Receipts	175.68	238.81	3.00	3.09
(B)	Cost Items				
	1. Seed	19.38	18.55	0.33	0.24
	2. Fertilizer	44.02	46.67	0.75	0.60
	3. Chemical	27.53	21.71	0.47	0.28
	4. Hail/Crop Insurance Premium	13.20	11.22	0.23	0.14
	5. Trucking and Marketing	13.94	19.61	0.24	0.25
	6. Fuel	14.67	16.65	0.25	0.22
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	16.50	14.37	0.28	0.19
	9. Repairs - Buildings	0.48	0.37	0.01	0.00
	10. Utilities and Miscellaneous	8.74	10.11	0.15	0.13
	11. Custom Work	9.97	1.25	0.17	0.02
	12. Operating Interest Paid	6.31	4.69	0.11	0.06
	13. Paid Labour	13.80	9.35	0.24	0.12
	14. Unpaid Labour	11.72	12.56	0.20	0.16
	Variable Costs	200.27	187.10	3.42	2.42
(C)	1. Cash/ Share Land Rent	33.98	35.23	0.58	0.46
	2. Taxes, Water Rates, License & Ins.	2.09	2.06	0.04	0.03
	3. Equipment and Building: a) Depreciation	25.77	32.55	0.44	0.42
	b) Lease Payments	5.57	0.00	0.10	0.00
4. Paid Capital Interest	2.06	1.42	0.04	0.92	
	Capital Costs	69.47	71.26	1.19	1.82
(D)	Cash Costs (B+C-B14-C3a)	232.24	213.26	3.97	3.66
(E)	Total Production Costs (B+C)	269.74	258.36	4.61	4.24
	Gross Margin (A-D)	(56.56)	25.56	(0.97)	(0.57)
	Return to Unpaid Labour (A-E+B14)	(82.33)	(6.99)	(1.41)	(0.99)
	Return to Investment (A-E+C4)	(91.99)	(18.12)	(1.57)	(0.23)
	Return to Equity (A-E)	(94.06)	(19.55)	(1.61)	(1.16)

Investment

Buildings	79.77	67.41
Machinery	240.31	316.19
Irrigation Machinery	0.00	0.00
Total (incl. Land)	320.08	383.60

Management

Average Yield	(Bushel/acre)	58.50	77.38
Expected Market Price	(\$/Bushel)	2.60	2.98

2005 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	204.09	255.19	2.42	2.80
	2. Crop Insurance Receipts	0.36	1.88	0.00	0.02
	3. Other Receipts	10.76	1.74	0.13	0.02
Gross Receipts		215.21	258.81	2.55	2.84
(B)	Cost Items				
	1. Seed	11.06	13.31	0.13	0.15
	2. Fertilizer	34.24	45.32	0.41	0.50
	3. Chemical	29.63	22.84	0.35	0.25
	4. Hail/Crop Insurance Premium	14.58	8.17	0.17	0.09
	5. Trucking and Marketing	2.99	14.51	0.04	0.16
	6. Fuel	13.93	15.06	0.16	0.17
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	12.85	10.95	0.15	0.12
	9. Repairs - Buildings	0.22	0.88	0.00	0.01
	10. Utilities and Miscellaneous	10.61	10.04	0.13	0.11
	11. Custom Work	0.91	1.09	0.01	0.01
	12. Operating Interest Paid	1.37	3.21	0.02	0.04
	13. Paid Labour	5.61	11.62	0.07	0.13
	14. Unpaid Labour	9.70	11.31	0.11	0.12
Variable Costs		147.71	168.31	1.75	1.85
(C)	1. Cash/ Share Land Rent	22.08	16.55	0.26	0.18
	2. Taxes, Water Rates, License & Ins.	7.29	3.89	0.09	0.04
	3. Equipment and Building: a) Depreciation	30.38	32.56	0.36	0.36
	b) Lease Payments	0.93	0.00	0.01	0.00
	4. Paid Capital Interest	13.92	0.72	0.16	0.59
Capital Costs		74.61	53.72	0.88	1.17
(D)	Cash Costs (B+C-B14-C3a)	182.24	178.17	2.16	2.54
(E)	Total Production Costs (B+C)	222.32	222.03	2.63	3.02
	Gross Margin (A-D)	32.98	80.65	0.39	0.30
	Return to Unpaid Labour (A-E+B14)	2.60	48.09	0.03	(0.05)
	Return to Investment (A-E+C4)	6.81	37.50	0.08	0.41
	Return to Equity (A-E)	(7.10)	36.78	(0.08)	(0.18)

Investment

Buildings	111.44	109.22
Machinery	284.49	294.85
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1521.41	1235.19

Management

Average Yield	(Bushel/acre)	84.46	91.11
Expected Market Price	(\$/Bushel)	2.42	2.80

2005 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	198.33	--	2.38	--
	2. Crop Insurance Receipts	0.73	--	0.01	--
	3. Other Receipts	9.98	--	0.12	--
	Gross Receipts	209.03	0.00	2.51	0.00
(B)	Cost Items				
	1. Seed	11.12	--	0.13	--
	2. Fertilizer	34.75	--	0.42	--
	3. Chemical	31.03	--	0.37	--
	4. Hail/Crop Insurance Premium	15.14	--	0.18	--
	5. Trucking and Marketing	0.11	--	0.00	--
	6. Fuel	13.77	--	0.17	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	13.20	--	0.16	--
	9. Repairs - Buildings	0.31	--	0.00	--
	10. Utilities and Miscellaneous	10.13	--	0.12	--
	11. Custom Work	0.76	--	0.01	--
	12. Operating Interest Paid	0.69	--	0.01	--
	13. Paid Labour	6.10	--	0.07	--
	14. Unpaid Labour	9.30	--	0.11	--
	Variable Costs	146.42	0.00	1.76	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	9.82	--	0.12	--
	3. Equipment and Building: a) Depreciation	30.46	--	0.37	--
	b) Lease Payments	0.73	--	0.01	--
4. Paid Capital Interest	15.23	--	0.18	--	
	Capital Costs	56.23	0.00	0.67	0.00
(D)	Cash Costs	(B+C-B14-C3a)	162.89	--	1.96
(E)	Total Production Costs	(B+C)	202.65	--	2.43
	Gross Margin	(A-D)	46.14	--	0.55
	Return to Unpaid Labour	(A-E+B14)	15.69	--	0.19
	Return to Investment	(A-E+C4)	21.61	--	0.26
	Return to Equity	(A-E)	6.39	--	0.08

Investment

Buildings	110.85	--
Machinery	287.36	--
Irrigation Machinery	0.00	--
Total (incl. Land)	2645.86	--

Management

Average Yield	(Bushel/acre)	83.30	--
Expected Market Price	(\$/Bushel)	2.38	--

2005 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	209.87	--	2.45	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	11.54	--	0.13	--	
	Gross Receipts	221.41	0.00	2.59	0.00	
(B)	Cost Items					
	1. Seed	11.00	--	0.13	--	
	2. Fertilizer	33.72	--	0.39	--	
	3. Chemical	28.22	--	0.33	--	
	4. Hail/Crop Insurance Premium	14.02	--	0.16	--	
	5. Trucking and Marketing	5.87	--	0.07	--	
	6. Fuel	14.10	--	0.16	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	12.50	--	0.15	--	
	9. Repairs - Buildings	0.12	--	0.00	--	
	10. Utilities and Miscellaneous	11.09	--	0.13	--	
	11. Custom Work	1.07	--	0.01	--	
	12. Operating Interest Paid	2.06	--	0.02	--	
	13. Paid Labour	5.13	--	0.06	--	
	14. Unpaid Labour	10.10	--	0.12	--	
Variable Costs	149.00	0.00	1.74	0.00		
(C)	1. Cash/ Share Land Rent	44.23	--	0.52	--	
	2. Taxes, Water Rates, License & Ins.	4.77	--	0.06	--	
	3. Equipment and Building:	a) Depreciation	30.31	--	0.35	--
		b) Lease Payments	1.14	--	0.01	--
	4. Paid Capital Interest	12.60	--	0.15	--	
Capital Costs	93.04	0.00	1.09	0.00		
(D)	Cash Costs	201.64	--	2.36	--	
(E)	Total Production Costs	242.04	--	2.83	--	
	Gross Margin	19.77	--	0.23	--	
	Return to Unpaid Labour	(10.53)	--	(0.12)	--	
	Return to Investment	(8.03)	--	(0.09)	--	
	Return to Equity	(20.63)	--	(0.24)	--	

Investment

Buildings	112.03	--
Machinery	281.61	--
Irrigation Machinery	0.00	--
Total (incl. Land)	393.64	--

Management

Average Yield	(Bushel/acre)	85.62	--
Expected Market Price	(\$/Bushel)	2.45	--

2005 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	143.27	159.14	2.01	2.05
	2. Crop Insurance Receipts	7.13	8.71	0.10	0.11
	3. Other Receipts	16.28	30.53	0.23	0.39
Gross Receipts		166.69	198.38	2.34	2.55
(B)	Cost Items				
	1. Seed	10.05	10.20	0.14	0.13
	2. Fertilizer	38.82	40.58	0.55	0.52
	3. Chemical	25.43	23.68	0.36	0.30
	4. Hail/Crop Insurance Premium	7.70	7.70	0.11	0.10
	5. Trucking and Marketing	4.26	1.24	0.06	0.02
	6. Fuel	15.71	13.08	0.22	0.17
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	13.88	11.27	0.19	0.15
	9. Repairs - Buildings	0.81	0.67	0.01	0.01
	10. Utilities and Miscellaneous	8.77	8.61	0.12	0.11
	11. Custom Work	6.34	2.30	0.09	0.03
	12. Operating Interest Paid	2.44	1.63	0.03	0.02
	13. Paid Labour	9.24	9.09	0.13	0.12
	14. Unpaid Labour	9.81	9.53	0.14	0.12
Variable Costs		153.27	139.59	2.15	1.80
(C)	1. Cash/ Share Land Rent	29.75	27.87	0.42	0.36
	2. Taxes, Water Rates, License & Ins.	4.23	4.68	0.06	0.06
	3. Equipment and Building: a) Depreciation	30.48	23.17	0.43	0.30
	b) Lease Payments	1.91	0.78	0.03	0.01
	4. Paid Capital Interest	3.75	4.78	0.05	0.79
Capital Costs		70.12	61.27	0.99	1.52
(D)	Cash Costs	(B+C-B14-C3a)	183.10	168.17	2.57
(E)	Total Production Costs	(B+C)	223.38	200.86	3.14
	Gross Margin	(A-D)	(16.41)	30.21	(0.23)
	Return to Unpaid Labour	(A-E+B14)	(46.89)	7.04	(0.66)
	Return to Investment	(A-E+C4)	(52.95)	2.29	(0.74)
	Return to Equity	(A-E)	(56.70)	(2.49)	(0.80)

Investment

Buildings	81.99	68.27
Machinery	296.11	225.08
Irrigation Machinery	0.00	0.00
Total (incl. Land)	704.17	786.80

Management

Average Yield	(Bushel/acre)	71.16	77.65
Expected Market Price	(\$/Bushel)	2.01	2.05

2005 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	137.11	184.66	2.09	2.17
	2. Crop Insurance Receipts	14.02	21.56	0.21	0.25
	3. Other Receipts	21.11	9.82	0.32	0.12
	Gross Receipts	172.24	216.05	2.62	2.53
(B)	Cost Items				
	1. Seed	10.89	12.66	0.17	0.15
	2. Fertilizer	36.78	40.07	0.56	0.47
	3. Chemical	26.76	23.74	0.41	0.28
	4. Hail/Crop Insurance Premium	7.88	13.17	0.12	0.15
	5. Trucking and Marketing	1.34	2.33	0.02	0.03
	6. Fuel	19.13	13.91	0.29	0.16
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	13.29	7.56	0.20	0.09
	9. Repairs - Buildings	1.09	1.34	0.02	0.02
	10. Utilities and Miscellaneous	10.89	12.75	0.17	0.15
	11. Custom Work	2.96	2.27	0.05	0.03
	12. Operating Interest Paid	0.96	0.53	0.01	0.01
	13. Paid Labour	5.76	4.51	0.09	0.05
	14. Unpaid Labour	12.00	13.37	0.18	0.16
	Variable Costs	149.73	148.21	2.28	1.74
(C)	1. Cash/ Share Land Rent	1.82	0.00	0.03	0.00
	2. Taxes, Water Rates, License & Ins.	7.33	8.65	0.11	0.10
	3. Equipment and Building: a) Depreciation	39.74	31.27	0.60	0.37
	b) Lease Payments	0.64	1.88	0.01	0.02
4. Paid Capital Interest	7.45	6.07	0.11	0.56	
	Capital Costs	56.98	47.87	0.87	1.05
(D)	Cash Costs (B+C-B14-C3a)	154.97	151.44	2.36	2.27
(E)	Total Production Costs (B+C)	206.71	196.08	3.14	2.79
	Gross Margin (A-D)	17.27	64.61	0.26	0.27
	Return to Unpaid Labour (A-E+B14)	(22.47)	33.34	(0.34)	(0.10)
	Return to Investment (A-E+C4)	(27.01)	26.04	(0.41)	0.31
	Return to Equity (A-E)	(34.47)	19.97	(0.52)	(0.26)

Investment

Buildings	116.05	107.45
Machinery	380.30	295.41
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1825.42	2138.11

Management

Average Yield	(Bushel/acre)	65.75	85.27
Expected Market Price	(\$/Bushel)	2.09	2.17

2005 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	145.28	161.02	1.99	2.00	
	2. Crop Insurance Receipts	4.89	1.93	0.07	0.02	
	3. Other Receipts	14.71	29.27	0.20	0.36	
	Gross Receipts	164.88	192.22	2.26	2.39	
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(B)	Cost Items					
	1. Seed	9.78	9.50	0.13	0.12	
	2. Fertilizer	39.49	40.75	0.54	0.51	
	3. Chemical	25.00	22.97	0.34	0.29	
	4. Hail/Crop Insurance Premium	7.64	6.54	0.10	0.08	
	5. Trucking and Marketing	5.21	1.12	0.07	0.01	
	6. Fuel	14.60	12.83	0.20	0.16	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	14.07	12.16	0.19	0.15	
	9. Repairs - Buildings	0.72	0.47	0.01	0.01	
	10. Utilities and Miscellaneous	8.08	6.67	0.11	0.08	
	11. Custom Work	7.44	2.10	0.10	0.03	
	12. Operating Interest Paid	2.93	1.77	0.04	0.02	
	13. Paid Labour	10.37	11.36	0.14	0.14	
	14. Unpaid Labour	9.10	6.88	0.12	0.09	
Variable Costs	154.42	135.12	2.12	1.68		
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(C)	1. Cash/ Share Land Rent	38.83	40.24	0.53	0.50	
	2. Taxes, Water Rates, License & Ins.	3.22	3.59	0.04	0.04	
	3. Equipment and Building:	a) Depreciation	27.46	21.84	0.38	0.27
		b) Lease Payments	2.32	0.52	0.03	0.01
	4. Paid Capital Interest	2.55	4.11	0.03	0.88	
Capital Costs	74.39	70.30	1.02	1.70		
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(D)	Cash Costs	(B+C-B14-C3a)	192.24	176.70	2.64	3.02
(E)	Total Production Costs	(B+C)	228.80	205.42	3.14	3.38
	Gross Margin	(A-D)	(27.36)	15.51	(0.38)	(0.63)
	Return to Unpaid Labour	(A-E+B14)	(54.83)	(6.33)	(0.75)	(0.90)
	Return to Investment	(A-E+C4)	(61.38)	(9.09)	(0.84)	(0.11)
	Return to Equity	(A-E)	(63.92)	(13.21)	(0.88)	(0.99)

Investment

Buildings	70.92	57.93
Machinery	268.74	217.75
Irrigation Machinery	0.00	0.00
Total (incl. Land)	339.66	275.68

Management

Average Yield	(Bushel/acre)	72.92	80.34
Expected Market Price	(\$/Bushel)	1.99	2.00

2005 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	176.32	223.43	1.75	1.80	
	2. Crop Insurance Receipts	1.64	1.31	0.02	0.01	
	3. Other Receipts	22.40	56.26	0.22	0.45	
	Gross Receipts	200.35	281.00	1.99	2.26	
(B)	Cost Items					
	1. Seed	9.17	10.93	0.09	0.09	
	2. Fertilizer	34.06	41.63	0.34	0.33	
	3. Chemical	6.78	9.02	0.07	0.07	
	4. Hail/Crop Insurance Premium	5.89	4.40	0.06	0.04	
	5. Trucking and Marketing	5.96	2.88	0.06	0.02	
	6. Fuel	14.13	13.80	0.14	0.11	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	13.20	10.14	0.13	0.08	
	9. Repairs - Buildings	0.81	1.57	0.01	0.01	
	10. Utilities and Miscellaneous	9.89	15.31	0.10	0.12	
	11. Custom Work	2.32	8.59	0.02	0.07	
	12. Operating Interest Paid	3.38	1.53	0.03	0.01	
	13. Paid Labour	10.44	5.28	0.10	0.04	
	14. Unpaid Labour	10.19	10.43	0.10	0.08	
	Variable Costs	126.22	135.51	1.25	1.09	
(C)	1. Cash/ Share Land Rent	22.47	5.16	0.22	0.04	
	2. Taxes, Water Rates, License & Ins.	4.65	6.04	0.05	0.05	
	3. Equipment and Building:	a) Depreciation	27.10	25.98	0.27	0.21
		b) Lease Payments	2.53	1.90	0.03	0.02
	4. Paid Capital Interest	5.62	13.73	0.06	0.42	
	Capital Costs	62.38	52.81	0.62	0.74	
(D)	Cash Costs	151.31	151.91	1.50	1.53	
(E)	Total Production Costs	188.60	188.32	1.87	1.83	
	<i>Gross Margin</i>	49.05	129.08	0.49	0.72	
	<i>Return to Unpaid Labour</i>	21.94	103.10	0.22	0.51	
	<i>Return to Investment</i>	17.38	106.40	0.17	0.86	
	<i>Return to Equity</i>	11.76	92.68	0.12	0.43	

Investment

Buildings	88.12	114.04
Machinery	252.36	231.28
Irrigation Machinery	0.00	0.00
Total (incl. Land)	675.16	1218.32

Management

Average Yield	(Bushel/acre)	100.82	124.43
Expected Market Price	(\$/Bushel)	1.75	1.80

2005 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	173.31	--	1.74	--	
	2. Crop Insurance Receipts	3.52	--	0.04	--	
	3. Other Receipts	36.94	--	0.37	--	
	Gross Receipts	213.77	0.00	2.15	0.00	
(B)	Cost Items					
	1. Seed	8.49	--	0.09	--	
	2. Fertilizer	35.64	--	0.36	--	
	3. Chemical	7.23	--	0.07	--	
	4. Hail/Crop Insurance Premium	3.45	--	0.03	--	
	5. Trucking and Marketing	2.40	--	0.02	--	
	6. Fuel	14.59	--	0.15	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	10.34	--	0.10	--	
	9. Repairs - Buildings	1.67	--	0.02	--	
	10. Utilities and Miscellaneous	15.07	--	0.15	--	
	11. Custom Work	4.38	--	0.04	--	
	12. Operating Interest Paid	0.82	--	0.01	--	
	13. Paid Labour	5.41	--	0.05	--	
	14. Unpaid Labour	11.17	--	0.11	--	
Variable Costs	120.65	0.00	1.21	0.00		
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	7.39	--	0.07	--	
	3. Equipment and Building:	a) Depreciation	35.03	--	0.35	--
		b) Lease Payments	1.24	--	0.01	--
	4. Paid Capital Interest	10.64	--	0.11	--	
Capital Costs	54.29	0.00	0.55	0.00		
(D)	Cash Costs	(B+C-B14-C3a)	128.74	--	1.29	
(E)	Total Production Costs	(B+C)	174.95	--	1.76	
	Gross Margin	(A-D)	85.03	--	0.85	
	Return to Unpaid Labour	(A-E+B14)	50.00	--	0.50	
	Return to Investment	(A-E+C4)	49.47	--	0.50	
	Return to Equity	(A-E)	38.83	--	0.39	

Investment

Buildings	118.56	--
Machinery	325.48	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1338.29	--

Management

Average Yield	(Bushel/acre)	99.56	--
Expected Market Price	(\$/Bushel)	1.74	--

2005 Crop Enterprise Analysis

AgriProfit\$

Crop: Oats - Rent
Soil Zone: Black - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	178.12	--	1.75	--	
	2. Crop Insurance Receipts	0.51	--	0.01	--	
	3. Other Receipts	13.69	--	0.13	--	
	Gross Receipts	192.33	0.00	1.89	0.00	
(B)	Cost Items					
	1. Seed	9.58	--	0.09	--	
	2. Fertilizer	33.11	--	0.33	--	
	3. Chemical	6.51	--	0.06	--	
	4. Hail/Crop Insurance Premium	7.35	--	0.07	--	
	5. Trucking and Marketing	8.09	--	0.08	--	
	6. Fuel	13.86	--	0.14	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	14.91	--	0.15	--	
	9. Repairs - Buildings	0.30	--	0.00	--	
	10. Utilities and Miscellaneous	6.79	--	0.07	--	
	11. Custom Work	1.09	--	0.01	--	
	12. Operating Interest Paid	4.91	--	0.05	--	
	13. Paid Labour	13.45	--	0.13	--	
	14. Unpaid Labour	9.60	--	0.09	--	
Variable Costs	129.55	0.00	1.28	0.00		
(C)	1. Cash/ Share Land Rent	35.91	--	0.35	--	
	2. Taxes, Water Rates, License & Ins.	3.02	--	0.03	--	
	3. Equipment and Building:	a) Depreciation	22.36	--	0.22	--
		b) Lease Payments	3.30	--	0.03	--
	4. Paid Capital Interest	2.62	--	0.03	--	
Capital Costs	67.21	0.00	0.66	0.00		
(D)	Cash Costs	164.80	--	1.62	--	
(E)	Total Production Costs	196.76	--	1.94	--	
	Gross Margin	27.53	--	0.27	--	
	Return to Unpaid Labour	5.16	--	0.05	--	
	Return to Investment	(1.81)	--	(0.02)	--	
	Return to Equity	(4.43)	--	(0.04)	--	

Investment

Buildings	69.92	--
Machinery	208.63	--
Irrigation Machinery	0.00	--
Total (incl. Land)	278.55	--

Management

Average Yield	(Bushel/acre)	101.57	--
Expected Market Price	(\$/Bushel)	1.75	--

2005 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	156.83	--	3.16	--
	2. Crop Insurance Receipts	3.76	--	0.08	--
	3. Other Receipts	5.66	--	0.11	--
	Gross Receipts	166.25	0.00	3.35	0.00
(B)	Cost Items				
	1. Seed	19.36	--	0.39	--
	2. Fertilizer	14.19	--	0.29	--
	3. Chemical	35.19	--	0.71	--
	4. Hail/Crop Insurance Premium	8.83	--	0.18	--
	5. Trucking and Marketing	1.79	--	0.04	--
	6. Fuel	13.96	--	0.28	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	10.26	--	0.21	--
	9. Repairs - Buildings	0.29	--	0.01	--
	10. Utilities and Miscellaneous	5.67	--	0.11	--
	11. Custom Work	8.14	--	0.16	--
	12. Operating Interest Paid	1.43	--	0.03	--
	13. Paid Labour	7.55	--	0.15	--
	14. Unpaid Labour	11.29	--	0.23	--
	Variable Costs	137.97	0.00	2.78	0.00
(C)	1. Cash/ Share Land Rent	15.90	--	0.32	--
	2. Taxes, Water Rates, License & Ins.	5.67	--	0.11	--
	3. Equipment and Building: a) Depreciation	31.27	--	0.63	--
	b) Lease Payments	1.10	--	0.02	--
4. Paid Capital Interest	11.35	--	0.23	--	
	Capital Costs	65.29	0.00	1.32	0.00
(D)	Cash Costs (B+C-B14-C3a)	160.69	--	3.24	--
(E)	Total Production Costs (B+C)	203.25	--	4.10	--
	Gross Margin (A-D)	5.56	--	0.11	--
	Return to Unpaid Labour (A-E+B14)	(25.71)	--	(0.52)	--
	Return to Investment (A-E+C4)	(25.66)	--	(0.52)	--
	Return to Equity (A-E)	(37.01)	--	(0.75)	--

Investment

Buildings	106.94	--
Machinery	283.20	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1042.66	--

Management

Average Yield (Bushel/acre)	49.60	--
Expected Market Price (\$/Bushel)	3.16	--

2005 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	151.35	--	3.14	--
	2. Crop Insurance Receipts	6.24	--	0.13	--
	3. Other Receipts	6.04	--	0.13	--
	Gross Receipts	163.62	0.00	3.39	0.00
(B)	Cost Items				
	1. Seed	20.81	--	0.43	--
	2. Fertilizer	15.74	--	0.33	--
	3. Chemical	33.45	--	0.69	--
	4. Hail/Crop Insurance Premium	5.93	--	0.12	--
	5. Trucking and Marketing	2.62	--	0.05	--
	6. Fuel	14.26	--	0.30	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	11.47	--	0.24	--
	9. Repairs - Buildings	0.15	--	0.00	--
	10. Utilities and Miscellaneous	6.96	--	0.14	--
	11. Custom Work	10.72	--	0.22	--
	12. Operating Interest Paid	1.70	--	0.04	--
	13. Paid Labour	4.33	--	0.09	--
	14. Unpaid Labour	13.92	--	0.29	--
	Variable Costs	142.05	0.00	2.94	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	6.98	--	0.14	--
	3. Equipment and Building: a) Depreciation	33.53	--	0.69	--
	b) Lease Payments	1.82	--	0.04	--
4. Paid Capital Interest	16.55	--	0.34	--	
	Capital Costs	58.88	0.00	1.22	0.00
(D)	Cash Costs (B+C-B14-C3a)	153.49	--	3.18	--
(E)	Total Production Costs (B+C)	200.93	--	4.16	--
	Gross Margin (A-D)	10.14	--	0.21	--
	Return to Unpaid Labour (A-E+B14)	(23.39)	--	(0.48)	--
	Return to Investment (A-E+C4)	(20.75)	--	(0.43)	--
	Return to Equity (A-E)	(37.30)	--	(0.77)	--

Investment

Buildings	111.97	--
Machinery	302.22	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1497.13	--

Management

Average Yield (Bushel/acre)	48.27	--
Expected Market Price (\$/Bushel)	3.14	--

2005 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	248.55	274.76	5.70	5.99
	2. Crop Insurance Receipts	11.99	21.07	0.27	0.46
	3. Other Receipts	3.82	5.73	0.09	0.13
Gross Receipts		264.36	301.57	6.06	6.57
(B)	Cost Items				
	1. Seed	26.23	25.64	0.60	0.56
	2. Fertilizer	46.05	44.98	1.06	0.98
	3. Chemical	25.48	25.44	0.58	0.55
	4. Hail/Crop Insurance Premium	10.94	16.28	0.25	0.35
	5. Trucking and Marketing	2.63	2.07	0.06	0.05
	6. Fuel	15.10	12.37	0.35	0.27
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	14.48	12.75	0.33	0.28
	9. Repairs - Buildings	1.05	0.71	0.02	0.02
	10. Utilities and Miscellaneous	9.34	8.79	0.21	0.19
	11. Custom Work	2.23	0.87	0.05	0.02
	12. Operating Interest Paid	1.48	1.61	0.03	0.04
	13. Paid Labour	6.96	6.93	0.16	0.15
	14. Unpaid Labour	8.36	8.46	0.19	0.18
Variable Costs		170.32	166.90	3.90	3.64
(C)	1. Cash/ Share Land Rent	24.88	20.22	0.57	0.44
	2. Taxes, Water Rates, License & Ins.	5.80	6.70	0.13	0.15
	3. Equipment and Building: a) Depreciation	31.03	27.80	0.71	0.61
	b) Lease Payments	0.64	0.95	0.01	0.02
	4. Paid Capital Interest	7.24	8.09	0.17	1.39
Capital Costs		69.59	63.75	1.60	2.60
(D)	Cash Costs (B+C-B14-C3a)	200.53	194.40	4.60	5.45
(E)	Total Production Costs (B+C)	239.92	230.66	5.50	6.24
	Gross Margin (A-D)	63.84	107.17	1.46	1.12
	Return to Unpaid Labour (A-E+B14)	32.81	79.37	0.75	0.52
	Return to Investment (A-E+C4)	31.69	79.00	0.73	1.72
	Return to Equity (A-E)	24.45	70.91	0.56	0.33

Investment

Buildings	85.24	93.89
Machinery	297.95	262.17
Irrigation Machinery	0.00	0.00
Total (incl. Land)	898.70	1036.11

Management

Average Yield (Bushel/acre)	43.62	45.87
Expected Market Price (\$/Bushel)	5.70	5.99

2005 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	248.11	284.36	5.58	5.79	
	2. Crop Insurance Receipts	7.93	11.85	0.18	0.24	
	3. Other Receipts	2.95	3.64	0.07	0.07	
	Gross Receipts	258.99	299.85	5.83	6.11	
(B)	Cost Items					
	1. Seed	29.22	29.06	0.66	0.59	
	2. Fertilizer	46.23	46.18	1.04	0.94	
	3. Chemical	24.93	26.44	0.56	0.54	
	4. Hail/Crop Insurance Premium	8.92	13.79	0.20	0.28	
	5. Trucking and Marketing	2.81	3.27	0.06	0.07	
	6. Fuel	14.71	12.22	0.33	0.25	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	14.80	16.20	0.33	0.33	
	9. Repairs - Buildings	1.34	0.92	0.03	0.02	
	10. Utilities and Miscellaneous	10.66	10.59	0.24	0.22	
	11. Custom Work	2.32	1.59	0.05	0.03	
	12. Operating Interest Paid	1.53	2.22	0.03	0.05	
	13. Paid Labour	5.26	6.84	0.12	0.14	
	14. Unpaid Labour	9.58	8.37	0.22	0.17	
	Variable Costs	172.31	177.68	3.88	3.62	
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00	
	2. Taxes, Water Rates, License & Ins.	8.09	8.75	0.18	0.18	
	3. Equipment and Building: a) Depreciation	31.30	24.49	0.70	0.50	
	b) Lease Payments	0.91	1.09	0.02	0.02	
4. Paid Capital Interest	10.16	7.84	0.23	0.86		
	Capital Costs	50.46	42.17	1.13	1.56	
(D)	Cash Costs	(B+C-B14-C3a)	181.89	186.99	4.09	4.51
(E)	Total Production Costs	(B+C)	222.76	219.85	5.01	5.18
	Gross Margin	(A-D)	77.10	112.86	1.73	1.60
	Return to Unpaid Labour	(A-E+B14)	45.81	88.36	1.03	1.10
	Return to Investment	(A-E+C4)	46.39	87.84	1.04	1.79
	Return to Equity	(A-E)	36.23	80.00	0.81	0.93

Investment

Buildings	90.09	69.89
Machinery	297.90	237.93
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1600.44	1689.24

Management

Average Yield	(Bushel/acre)	44.46	49.09
Expected Market Price	(\$/Bushel)	5.58	5.79

2005 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	248.88	270.66	5.79	6.19
	2. Crop Insurance Receipts	15.00	30.28	0.35	0.69
	3. Other Receipts	4.46	7.55	0.10	0.17
	Gross Receipts	268.34	308.49	6.24	7.06
(B)	Cost Items				
	1. Seed	24.02	22.40	0.56	0.51
	2. Fertilizer	45.92	41.75	1.07	0.96
	3. Chemical	25.88	26.31	0.60	0.60
	4. Hail/Crop Insurance Premium	12.43	19.78	0.29	0.45
	5. Trucking and Marketing	2.49	1.08	0.06	0.02
	6. Fuel	15.40	12.54	0.36	0.29
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	14.24	11.06	0.33	0.25
	9. Repairs - Buildings	0.84	0.24	0.02	0.01
	10. Utilities and Miscellaneous	8.37	6.60	0.19	0.15
	11. Custom Work	2.16	0.57	0.05	0.01
	12. Operating Interest Paid	1.43	1.27	0.03	0.03
	13. Paid Labour	8.21	7.56	0.19	0.17
	14. Unpaid Labour	7.46	8.23	0.17	0.19
	Variable Costs	168.86	159.39	3.93	3.65
(C)	1. Cash/ Share Land Rent	43.28	41.74	1.01	0.96
	2. Taxes, Water Rates, License & Ins.	4.10	4.42	0.10	0.10
	3. Equipment and Building: a) Depreciation	30.83	29.91	0.72	0.68
	b) Lease Payments	0.44	0.60	0.01	0.01
4. Paid Capital Interest	5.09	7.84	0.12	1.93	
	Capital Costs	83.75	84.51	1.95	3.69
(D)	Cash Costs (B+C-B14-C3a)	214.31	205.76	4.98	6.46
(E)	Total Production Costs (B+C)	252.60	243.90	5.87	7.34
	Gross Margin (A-D)	54.02	102.73	1.26	0.60
	Return to Unpaid Labour (A-E+B14)	23.20	72.82	0.54	(0.09)
	Return to Investment (A-E+C4)	20.82	72.43	0.48	1.66
	Return to Equity (A-E)	15.73	64.59	0.37	(0.28)

Investment

Buildings	81.65	102.09
Machinery	297.99	280.78
Irrigation Machinery	0.00	0.00
Total (incl. Land)	379.64	382.87

Management

Average Yield (Bushel/acre)	43.01	43.70
Expected Market Price (\$/Bushel)	5.79	6.19

2005 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	279.23	--	5.87	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	4.10	--	0.09	--	
	Gross Receipts	283.33	0.00	5.95	0.00	
(B)	Cost Items					
	1. Seed	34.26	--	0.72	--	
	2. Fertilizer	51.29	--	1.08	--	
	3. Chemical	41.48	--	0.87	--	
	4. Hail/Crop Insurance Premium	16.65	--	0.35	--	
	5. Trucking and Marketing	14.68	--	0.31	--	
	6. Fuel	13.68	--	0.29	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	16.48	--	0.35	--	
	9. Repairs - Buildings	1.40	--	0.03	--	
	10. Utilities and Miscellaneous	11.03	--	0.23	--	
	11. Custom Work	5.46	--	0.11	--	
	12. Operating Interest Paid	7.36	--	0.15	--	
	13. Paid Labour	14.27	--	0.30	--	
	14. Unpaid Labour	13.21	--	0.28	--	
Variable Costs	241.25	0.00	5.07	0.00		
(C)	1. Cash/ Share Land Rent	9.26	--	0.19	--	
	2. Taxes, Water Rates, License & Ins.	4.37	--	0.09	--	
	3. Equipment and Building:	a) Depreciation	25.38	--	0.53	--
		b) Lease Payments	10.61	--	0.22	--
	4. Paid Capital Interest	8.22	--	0.17	--	
Capital Costs	57.83	0.00	1.22	0.00		
(D)	Cash Costs	260.50	--	5.47	--	
(E)	Total Production Costs	299.08	--	6.28	--	
	Gross Margin	22.83	--	0.48	--	
	Return to Unpaid Labour	(2.54)	--	(0.05)	--	
	Return to Investment	(7.54)	--	(0.16)	--	
	Return to Equity	(15.76)	--	(0.33)	--	

Investment

Buildings	93.68	--
Machinery	237.19	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1103.52	--

Management

Average Yield	(Bushel/acre)	47.59	--
Expected Market Price	(\$/Bushel)	5.87	--

2005 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	284.69	--	5.86	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	3.81	--	0.08	--
Gross Receipts		288.50	0.00	5.93	0.00
(B)	Cost Items				
	1. Seed	33.57	--	0.69	--
	2. Fertilizer	51.80	--	1.07	--
	3. Chemical	42.07	--	0.87	--
	4. Hail/Crop Insurance Premium	16.01	--	0.33	--
	5. Trucking and Marketing	13.35	--	0.27	--
	6. Fuel	13.74	--	0.28	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	14.74	--	0.30	--
	9. Repairs - Buildings	1.66	--	0.03	--
	10. Utilities and Miscellaneous	11.52	--	0.24	--
	11. Custom Work	1.66	--	0.03	--
	12. Operating Interest Paid	6.34	--	0.13	--
	13. Paid Labour	11.98	--	0.25	--
	14. Unpaid Labour	13.40	--	0.28	--
Variable Costs		231.85	0.00	4.77	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	5.57	--	0.11	--
	3. Equipment and Building: a) Depreciation	26.20	--	0.54	--
	b) Lease Payments	9.74	--	0.20	--
	4. Paid Capital Interest	10.76	--	0.22	--
Capital Costs		52.27	0.00	1.08	0.00
(D)	Cash Costs	244.52	--	5.03	--
(E)	Total Production Costs	284.12	--	5.84	--
	Gross Margin	43.99	--	0.90	--
	Return to Unpaid Labour	17.79	--	0.37	--
	Return to Investment	15.14	--	0.31	--
	Return to Equity	4.39	--	0.09	--

Investment

Buildings	96.24	--
Machinery	246.60	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1423.32	--

Management

Average Yield	(Bushel/acre)	48.62	--
Expected Market Price	(\$/Bushel)	5.86	--

2005 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	140.89	--	31.64	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	0.07	--	0.02	--	
	Gross Receipts	140.95	0.00	31.66	0.00	
(B)	Cost Items					
	1. Seed	0.00	--	0.00	--	
	2. Fertilizer	6.16	--	1.38	--	
	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	8.47	--	1.90	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	6.61	--	1.48	--	
	9. Repairs - Buildings	0.27	--	0.06	--	
	10. Utilities and Miscellaneous	7.38	--	1.66	--	
	11. Custom Work	2.39	--	0.54	--	
	12. Operating Interest Paid	0.72	--	0.16	--	
	13. Paid Labour	5.77	--	1.30	--	
	14. Unpaid Labour	4.32	--	0.97	--	
Variable Costs	42.09	0.00	9.45	0.00		
(C)	1. Cash/ Share Land Rent	19.43	--	4.36	--	
	2. Taxes, Water Rates, License & Ins.	5.07	--	1.14	--	
	3. Equipment and Building:	a) Depreciation	13.72	--	3.08	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	3.52	--	0.79	--	
Capital Costs	41.74	0.00	9.37	0.00		
(D)	Cash Costs	65.79	--	14.78	--	
(E)	Total Production Costs	83.83	--	18.83	--	
	Gross Margin	75.16	--	16.88	--	
	Return to Unpaid Labour	61.44	--	13.80	--	
	Return to Investment	60.64	--	13.62	--	
	Return to Equity	57.12	--	12.83	--	

Investment

Buildings	19.96	--
Machinery	125.48	--
Irrigation Machinery	0.00	--
Total (incl. Land)	674.85	--

Management

Average Yield	(Tonne/acre)	4.45	--
Expected Market Price	(\$/Tonne)	31.64	--

2005 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	86.85	--	46.09	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	0.09	--	0.05	--	
	Gross Receipts	86.94	0.00	46.13	0.00	
(B)	Cost Items					
	1. Seed	0.00	--	0.00	--	
	2. Fertilizer	2.66	--	1.41	--	
	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	8.49	--	4.51	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	8.70	--	4.62	--	
	9. Repairs - Buildings	0.36	--	0.19	--	
	10. Utilities and Miscellaneous	7.66	--	4.06	--	
	11. Custom Work	1.48	--	0.79	--	
	12. Operating Interest Paid	0.95	--	0.50	--	
	13. Paid Labour	6.48	--	3.44	--	
	14. Unpaid Labour	3.05	--	1.62	--	
Variable Costs	39.84	0.00	21.14	0.00		
(C)	1. Cash/ Share Land Rent	25.58	--	13.58	--	
	2. Taxes, Water Rates, License & Ins.	4.36	--	2.32	--	
	3. Equipment and Building:	a) Depreciation	13.33	--	7.07	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	1.77	--	0.94	--	
Capital Costs	45.04	0.00	23.90	0.00		
(D)	Cash Costs	68.51	--	36.36	--	
(E)	Total Production Costs	84.89	--	45.04	--	
	Gross Margin	18.43	--	9.78	--	
	Return to Unpaid Labour	5.10	--	2.71	--	
	Return to Investment	3.82	--	2.03	--	
	Return to Equity	2.05	--	1.09	--	

Investment

Buildings	13.55	--
Machinery	122.67	--
Irrigation Machinery	0.00	--
Total (incl. Land)	136.22	--

Management

Average Yield	(Tonne/acre)	1.88	--
Expected Market Price	(\$/Tonne)	46.09	--

2005 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	117.85	130.00	48.47	44.09
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	3.09	5.24	1.27	1.78
	Gross Receipts	120.95	135.24	49.74	45.87
(B)	Cost Items				
	1. Seed	0.00	0.00	0.00	0.00
	2. Fertilizer	20.52	22.00	8.44	7.46
	3. Chemical	0.58	0.00	0.24	0.00
	4. Hail/Crop Insurance Premium	0.00	0.00	0.00	0.00
	5. Trucking and Marketing	0.01	0.00	0.01	0.00
	6. Fuel	10.29	9.04	4.23	3.07
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	13.21	12.12	5.43	4.11
	9. Repairs - Buildings	0.51	0.00	0.21	0.00
	10. Utilities and Miscellaneous	6.14	5.25	2.53	1.78
	11. Custom Work	2.88	3.00	1.19	1.02
	12. Operating Interest Paid	0.00	0.00	0.00	0.00
	13. Paid Labour	16.23	18.31	6.67	6.21
	14. Unpaid Labour	9.67	10.04	3.98	3.41
	Variable Costs	80.03	79.77	32.92	27.05
(C)	1. Cash/ Share Land Rent	10.25	0.00	4.22	0.00
	2. Taxes, Water Rates, License & Ins.	3.41	2.82	1.40	0.96
	3. Equipment and Building: a) Depreciation	24.53	23.81	10.09	8.08
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	1.00	0.00	0.41	9.03	
	Capital Costs	39.20	26.63	16.12	18.06
(D)	Cash Costs (B+C-B14-C3a)	85.02	72.54	34.97	33.64
(E)	Total Production Costs (B+C)	119.22	106.40	49.04	45.12
	Gross Margin (A-D)	35.92	62.69	14.77	12.23
	Return to Unpaid Labour (A-E+B14)	11.39	38.89	4.68	4.16
	Return to Investment (A-E+C4)	2.72	28.84	1.12	9.78
	Return to Equity (A-E)	1.72	28.84	0.71	0.75

Investment

Buildings	66.48	60.96
Machinery	227.12	221.79
Irrigation Machinery	0.00	0.00
Total (incl. Land)	935.67	882.75

Management

Average Yield	(Tonne/acre)	2.43	2.95
Expected Market Price	(\$/Tonne)	48.47	44.09

2005 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	117.87	--	44.38	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	3.99	--	1.50	--
	Gross Receipts	121.86	0.00	45.89	0.00
(B)	Cost Items				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	21.31	--	8.03	--
	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	8.95	--	3.37	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	10.38	--	3.91	--
	9. Repairs - Buildings	0.00	--	0.00	--
	10. Utilities and Miscellaneous	5.37	--	2.02	--
	11. Custom Work	3.32	--	1.25	--
	12. Operating Interest Paid	0.00	--	0.00	--
	13. Paid Labour	16.20	--	6.10	--
14. Unpaid Labour	9.80	--	3.69	--	
	Variable Costs	75.34	0.00	28.37	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	3.46	--	1.30	--
	3. Equipment and Building: a) Depreciation	22.55	--	8.49	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	1.29	--	0.49	--	
	Capital Costs	27.30	0.00	10.28	0.00
(D)	Cash Costs (B+C-B14-C3a)	70.30	--	26.47	--
(E)	Total Production Costs (B+C)	102.64	--	38.65	--
	Gross Margin (A-D)	51.56	--	19.42	--
	Return to Unpaid Labour (A-E+B14)	29.02	--	10.93	--
	Return to Investment (A-E+C4)	20.51	--	7.72	--
	Return to Equity (A-E)	19.22	--	7.24	--

Investment

Buildings	57.99	--
Machinery	209.30	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1095.86	--

Management

Average Yield (Tonne/acre)	2.66	--
Expected Market Price (\$/Tonne)	44.38	--

2005 Crop Enterprise Analysis

AgriProfit\$

Crop: *Export Timothy - All*
Soil Zone: *Black - Dryland*
Unit: *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	393.93	466.40	151.00	136.10
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	0.00	0.00	0.00	0.00
Gross Receipts		393.93	466.40	151.00	136.10
(B)	Cost Items				
	1. Seed	0.00	0.00	0.00	0.00
	2. Fertilizer	49.66	55.00	19.04	16.05
	3. Chemical	10.48	17.85	4.02	5.21
	4. Hail/Crop Insurance Premium	2.46	0.00	0.94	0.00
	5. Trucking and Marketing	0.17	0.08	0.06	0.02
	6. Fuel	21.24	17.20	8.14	5.02
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	24.64	31.07	9.45	9.07
	9. Repairs - Buildings	1.71	3.05	0.66	0.89
	10. Utilities and Miscellaneous	17.44	11.58	6.69	3.38
	11. Custom Work	3.39	1.24	1.30	0.36
	12. Operating Interest Paid	3.13	0.00	1.20	0.00
	13. Paid Labour	24.67	20.85	9.46	6.08
	14. Unpaid Labour	11.78	9.54	4.51	2.78
Variable Costs		170.79	167.46	65.47	48.86
(C)	1. Cash/ Share Land Rent	51.38	0.00	19.69	0.00
	2. Taxes, Water Rates, License & Ins.	6.12	5.52	2.35	1.61
	3. Equipment and Building: a) Depreciation	34.21	37.21	13.11	10.86
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	2.17	0.00	0.83	12.47
Capital Costs		93.88	42.72	35.99	24.93
(D)	Cash Costs (B+C-B14-C3a)	218.68	163.43	83.82	60.16
(E)	Total Production Costs (B+C)	264.67	210.18	101.45	73.80
	Gross Margin (A-D)	175.25	302.97	67.18	75.94
	Return to Unpaid Labour (A-E+B14)	141.03	265.76	54.06	65.08
	Return to Investment (A-E+C4)	131.43	256.22	50.38	74.77
	Return to Equity (A-E)	129.26	256.22	49.55	62.30

Investment

Buildings	136.31	115.42
Machinery	294.54	343.28
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1454.81	2858.70

Management

Average Yield	(Tonne/acre)	2.61	3.43
Expected Market Price	(\$/Tonne)	151.00	136.10

2005 Crop Enterprise Analysis

AgriProfit\$

Crop: *Export Timothy - Own*
Soil Zone: *Black - Dryland*
Unit: *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	466.40	--	136.10	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	0.00	--	0.00	--
	Gross Receipts	466.40	0.00	136.10	0.00
(B)	Cost Items				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	55.00	--	16.05	--
	3. Chemical	17.85	--	5.21	--
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--
	5. Trucking and Marketing	0.08	--	0.02	--
	6. Fuel	17.20	--	5.02	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	31.07	--	9.07	--
	9. Repairs - Buildings	3.05	--	0.89	--
	10. Utilities and Miscellaneous	11.58	--	3.38	--
	11. Custom Work	1.24	--	0.36	--
	12. Operating Interest Paid	0.00	--	0.00	--
	13. Paid Labour	20.85	--	6.08	--
14. Unpaid Labour	9.54	--	2.78	--	
	Variable Costs	167.46	0.00	48.86	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	5.52	--	1.61	--
	3. Equipment and Building: a) Depreciation	37.21	--	10.86	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	0.00	--	0.00	--	
	Capital Costs	42.72	0.00	12.47	0.00
(D)	Cash Costs	163.43	--	47.69	--
(E)	Total Production Costs	210.18	--	61.33	--
	Gross Margin	302.97	--	88.41	--
	Return to Unpaid Labour	265.76	--	77.55	--
	Return to Investment	256.22	--	74.77	--
	Return to Equity	256.22	--	74.77	--

Investment

Buildings	115.42	--
Machinery	343.28	--
Irrigation Machinery	0.00	--
Total (incl. Land)	2858.70	--

Management

Average Yield	(Tonne/acre)	3.43	--
Expected Market Price	(\$/Tonne)	136.10	--

2005 Crop Enterprise Analysis

AgriProfit\$

Crop: *Export Timothy - Rent*
Soil Zone: *Black - Dryland*
Unit: *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	340.00	--	170.00	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	0.00	--	0.00	--	
	Gross Receipts	340.00	0.00	170.00	0.00	
(B)	Cost Items					
	1. Seed	0.00	--	0.00	--	
	2. Fertilizer	45.69	--	22.85	--	
	3. Chemical	5.00	--	2.50	--	
	4. Hail/Crop Insurance Premium	4.29	--	2.15	--	
	5. Trucking and Marketing	0.24	--	0.12	--	
	6. Fuel	24.25	--	12.13	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	19.86	--	9.93	--	
	9. Repairs - Buildings	0.72	--	0.36	--	
	10. Utilities and Miscellaneous	21.81	--	10.90	--	
	11. Custom Work	5.00	--	2.50	--	
	12. Operating Interest Paid	5.45	--	2.73	--	
	13. Paid Labour	27.52	--	13.76	--	
	14. Unpaid Labour	13.44	--	6.72	--	
Variable Costs	173.27	0.00	86.64	0.00		
(C)	1. Cash/ Share Land Rent	89.61	--	44.81	--	
	2. Taxes, Water Rates, License & Ins.	6.57	--	3.28	--	
	3. Equipment and Building:	a) Depreciation	31.99	--	15.99	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	3.79	--	1.89	--	
Capital Costs	131.95	0.00	65.98	0.00		
(D)	Cash Costs	(B+C-B14-C3a)	259.80	--	129.90	--
(E)	Total Production Costs	(B+C)	305.22	--	152.61	--
	Gross Margin	(A-D)	80.20	--	40.10	--
	Return to Unpaid Labour	(A-E+B14)	48.22	--	24.11	--
	Return to Investment	(A-E+C4)	38.56	--	19.28	--
	Return to Equity	(A-E)	34.78	--	17.39	--

Investment

Buildings	151.85	--
Machinery	258.27	--
Irrigation Machinery	0.00	--
Total (incl. Land)	410.11	--

Management

Average Yield	(Tonne/acre)	2.00	--
Expected Market Price	(\$/Tonne)	170.00	--

2005 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	130.08	--	23.35	--
	2. Crop Insurance Receipts	38.35	--	6.88	--
	3. Other Receipts	0.00	--	0.00	--
	Gross Receipts	168.42	0.00	30.24	0.00
(B)	Cost Items				
	1. Seed	4.00	--	0.72	--
	2. Fertilizer	25.69	--	4.61	--
	3. Chemical	12.34	--	2.22	--
	4. Hail/Crop Insurance Premium	4.84	--	0.87	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	21.85	--	3.92	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	18.70	--	3.36	--
	9. Repairs - Buildings	1.07	--	0.19	--
	10. Utilities and Miscellaneous	7.35	--	1.32	--
	11. Custom Work	17.64	--	3.17	--
	12. Operating Interest Paid	1.26	--	0.23	--
	13. Paid Labour	9.62	--	1.73	--
14. Unpaid Labour	7.07	--	1.27	--	
	Variable Costs	131.43	0.00	23.60	0.00
(C)	1. Cash/ Share Land Rent	18.70	--	3.36	--
	2. Taxes, Water Rates, License & Ins.	4.58	--	0.82	--
	3. Equipment and Building: a) Depreciation	39.65	--	7.12	--
	b) Lease Payments	0.15	--	0.03	--
4. Paid Capital Interest	15.91	--	2.86	--	
	Capital Costs	78.99	0.00	14.18	0.00
(D)	Cash Costs (B+C-B14-C3a)	163.70	--	29.39	--
(E)	Total Production Costs (B+C)	210.41	--	37.78	--
	Gross Margin (A-D)	4.73	--	0.85	--
	Return to Unpaid Labour (A-E+B14)	(34.92)	--	(6.27)	--
	Return to Investment (A-E+C4)	(26.08)	--	(4.68)	--
	Return to Equity (A-E)	(41.99)	--	(7.54)	--

Investment

Buildings	67.49	--
Machinery	352.31	--
Irrigation Machinery	0.00	--
Total (incl. Land)	883.06	--

Management

Average Yield (Tonne/acre)	5.57	--
Expected Market Price (\$/Tonne)	23.35	--

2005 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	24.08	--	12.00	--
	2. Crop Insurance Receipts	74.56	--	37.15	--
	3. Other Receipts	0.00	--	0.00	--
	Gross Receipts	98.64	0.00	49.15	0.00
(B)	Cost Items				
	1. Seed	2.58	--	1.28	--
	2. Fertilizer	13.60	--	6.77	--
	3. Chemical	12.74	--	6.35	--
	4. Hail/Crop Insurance Premium	5.87	--	2.92	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	23.51	--	11.72	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	22.50	--	11.21	--
	9. Repairs - Buildings	2.06	--	1.03	--
	10. Utilities and Miscellaneous	5.29	--	2.64	--
	11. Custom Work	1.21	--	0.60	--
	12. Operating Interest Paid	0.90	--	0.45	--
	13. Paid Labour	8.94	--	4.46	--
	14. Unpaid Labour	9.44	--	4.70	--
	Variable Costs	108.65	0.00	54.14	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	4.26	--	2.12	--
	3. Equipment and Building: a) Depreciation	53.09	--	26.45	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	29.01	--	14.46	--	
	Capital Costs	86.36	0.00	43.03	0.00
(D)	Cash Costs	(B+C-B14-C3a)	132.48	--	66.01
(E)	Total Production Costs	(B+C)	195.01	--	97.17
	Gross Margin	(A-D)	(33.84)	--	(16.86)
	Return to Unpaid Labour	(A-E+B14)	(86.93)	--	(43.31)
	Return to Investment	(A-E+C4)	(67.36)	--	(33.56)
	Return to Equity	(A-E)	(96.37)	--	(48.02)

Investment

Buildings	79.51	--
Machinery	483.77	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1486.67	--

Management

Average Yield	(Tonne/acre)	2.01	--
Expected Market Price	(\$/Tonne)	12.00	--

2005 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	236.79	--	25.86	--
	2. Crop Insurance Receipts	1.89	--	0.21	--
	3. Other Receipts	0.00	--	0.00	--
Gross Receipts		238.68	0.00	26.07	0.00
(B)	Cost Items				
	1. Seed	5.43	--	0.59	--
	2. Fertilizer	37.86	--	4.13	--
	3. Chemical	11.94	--	1.30	--
	4. Hail/Crop Insurance Premium	3.80	--	0.41	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	20.17	--	2.20	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	14.87	--	1.62	--
	9. Repairs - Buildings	0.06	--	0.01	--
	10. Utilities and Miscellaneous	9.43	--	1.03	--
	11. Custom Work	34.19	--	3.73	--
	12. Operating Interest Paid	1.63	--	0.18	--
	13. Paid Labour	10.30	--	1.12	--
	14. Unpaid Labour	4.68	--	0.51	--
Variable Costs		154.36	0.00	16.86	0.00
(C)	1. Cash/ Share Land Rent	37.54	--	4.10	--
	2. Taxes, Water Rates, License & Ins.	4.90	--	0.53	--
	3. Equipment and Building: a) Depreciation	26.12	--	2.85	--
	b) Lease Payments	0.29	--	0.03	--
	4. Paid Capital Interest	2.72	--	0.30	--
Capital Costs		71.57	0.00	7.82	0.00
(D)	Cash Costs	(B+C-B14-C3a)	195.13	--	21.31
(E)	Total Production Costs	(B+C)	225.93	--	24.67
	Gross Margin	(A-D)	43.55	--	4.76
	Return to Unpaid Labour	(A-E+B14)	17.43	--	1.90
	Return to Investment	(A-E+C4)	15.48	--	1.69
	Return to Equity	(A-E)	12.75	--	1.39

Investment

Buildings	55.38	--
Machinery	219.95	--
Irrigation Machinery	0.00	--
Total (incl. Land)	275.33	--

Management

Average Yield	(Tonne/acre)	9.16	--
Expected Market Price	(\$/Tonne)	25.86	--

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 less than 35 bushels per acre and the high is greater than 75 bushels per acre, and
- 80% of the spring wheat fields in the black soil zone yield between 35 and 60 bushels per acre

This detailed information provides a better understanding of yield variability. The average yield is 52 bushels per acre provided on 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 70% of the fields are covering their cash costs and 50% 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.

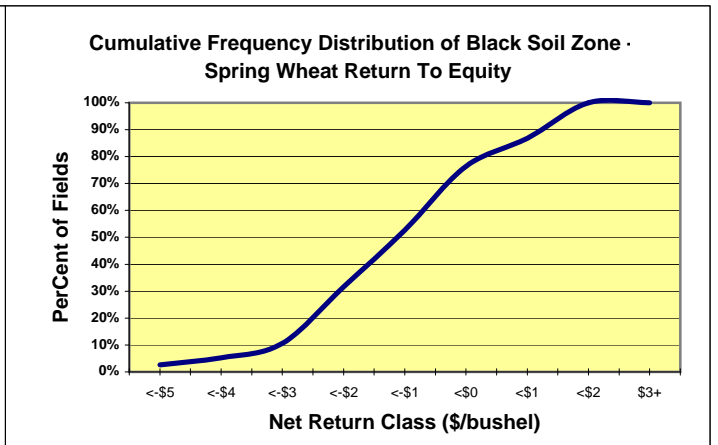
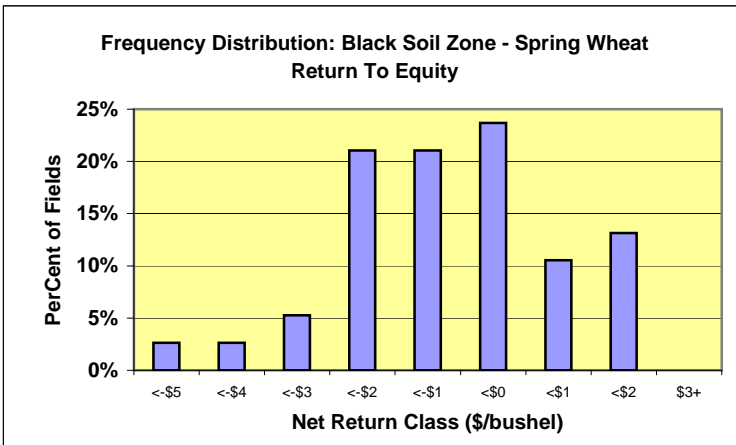
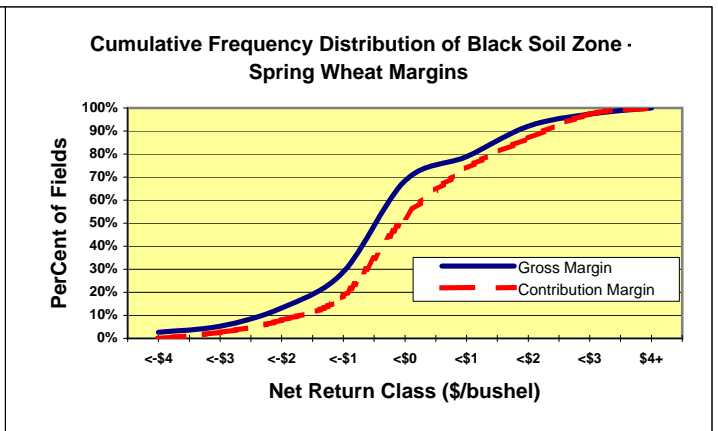
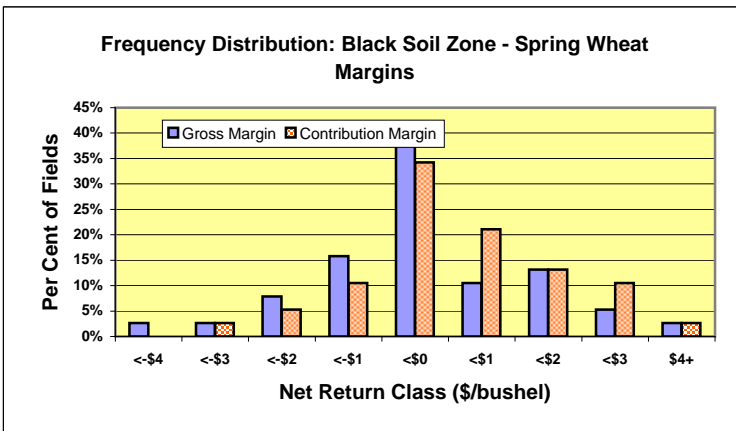
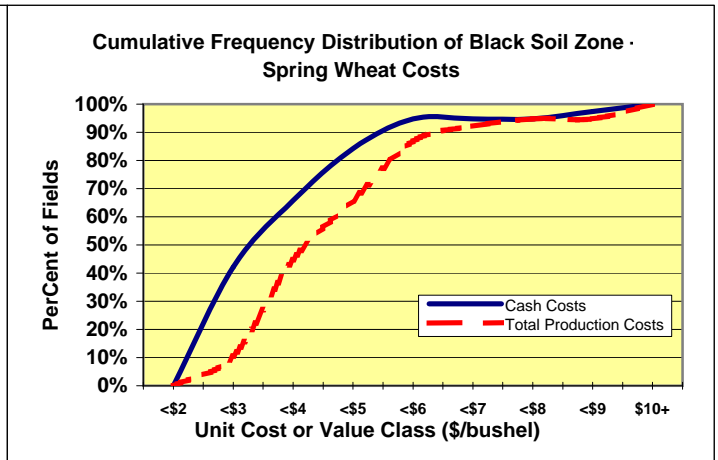
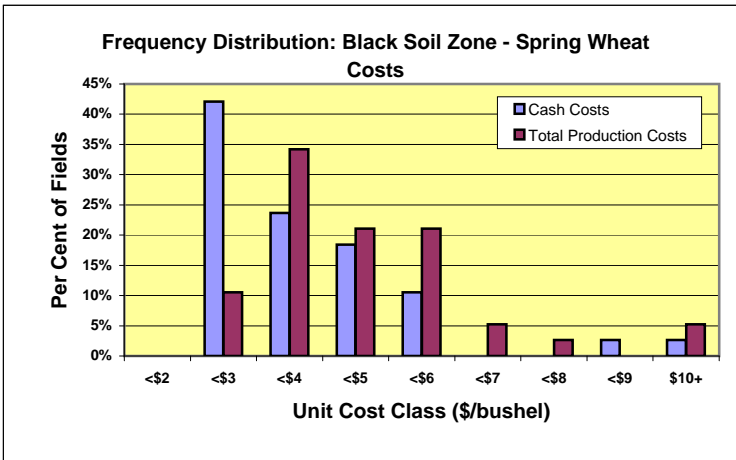
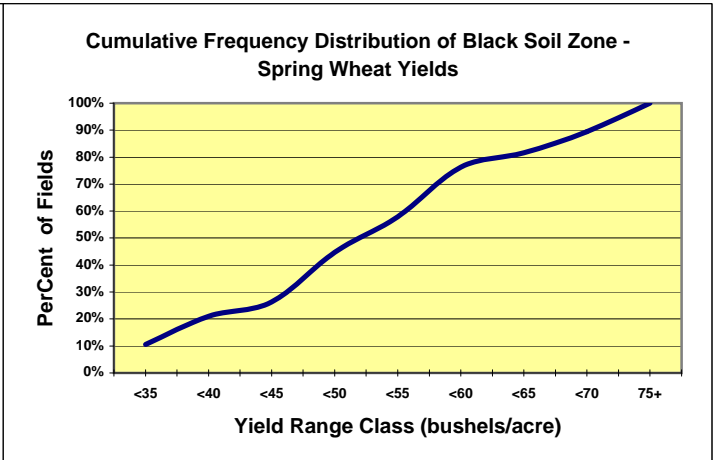
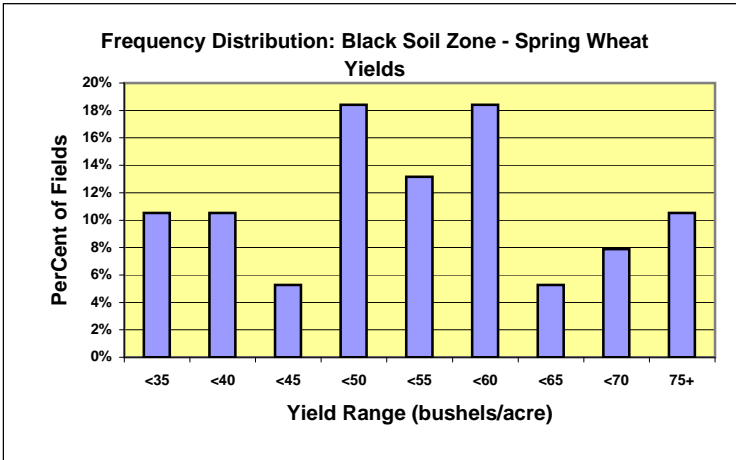
The third set of graphs highlights contribution and gross margins. Contribution margin is the return over variable costs, which are a combination of variable cash and non-cash (unpaid labour) costs. It is the best single indicator of profitability at the individual field level and it is used to compare 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.

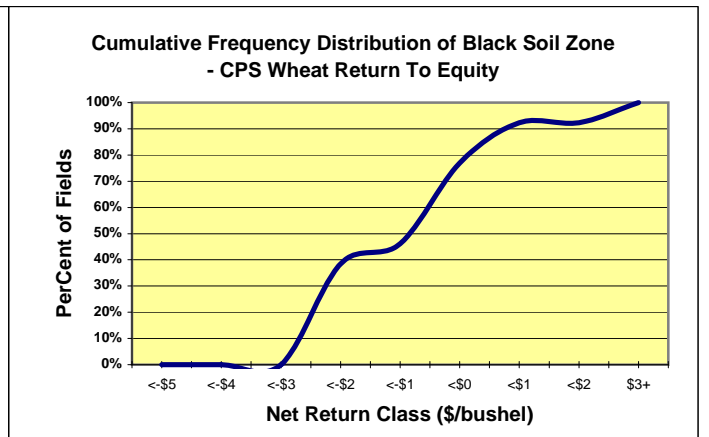
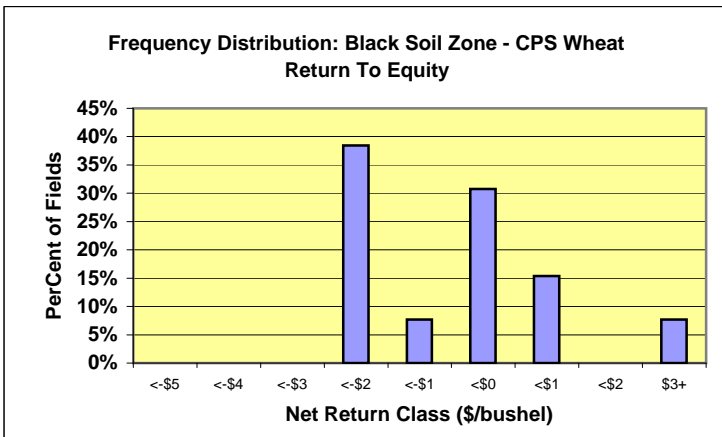
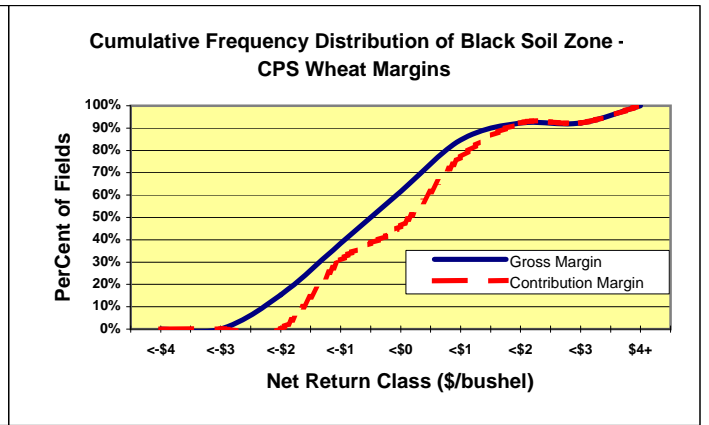
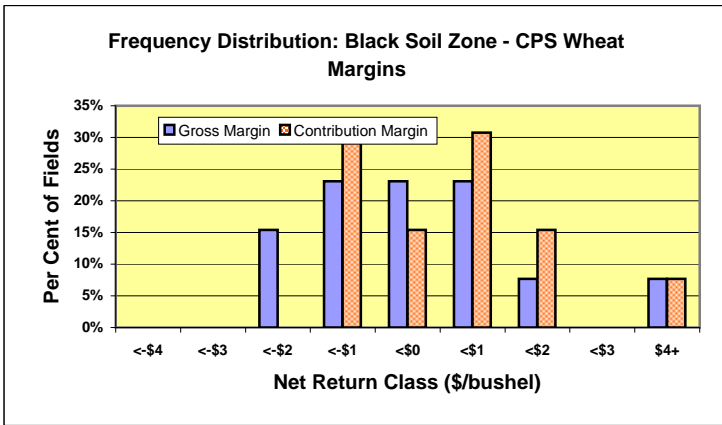
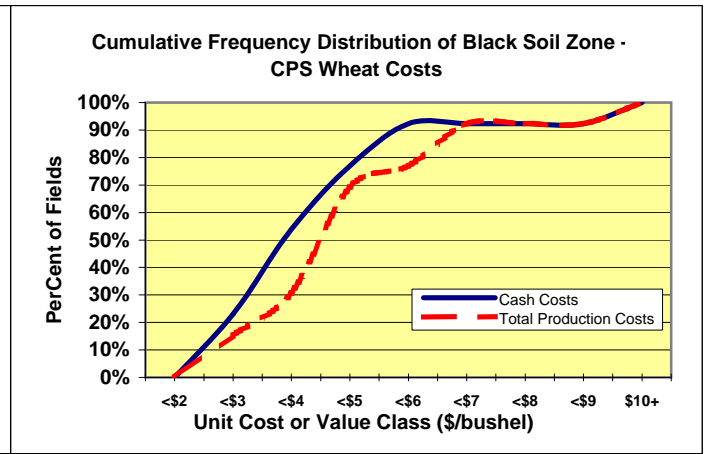
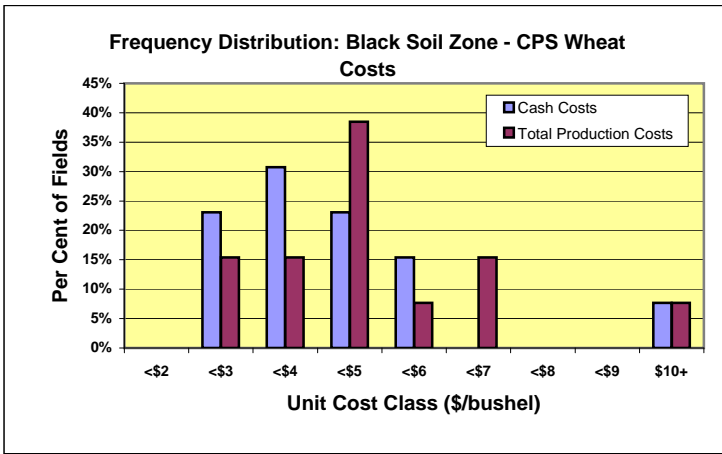
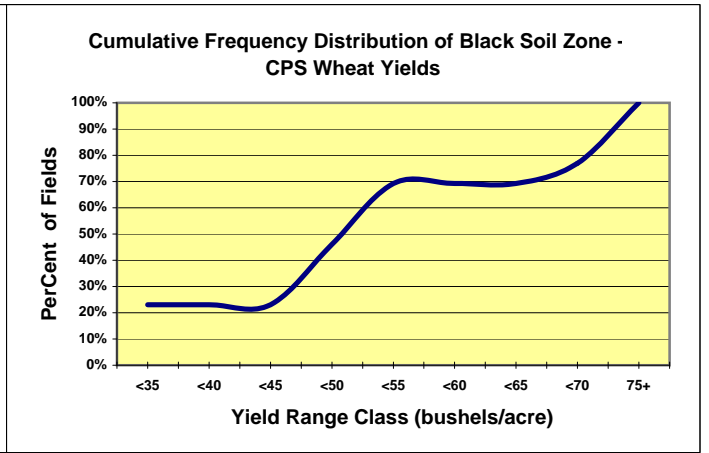
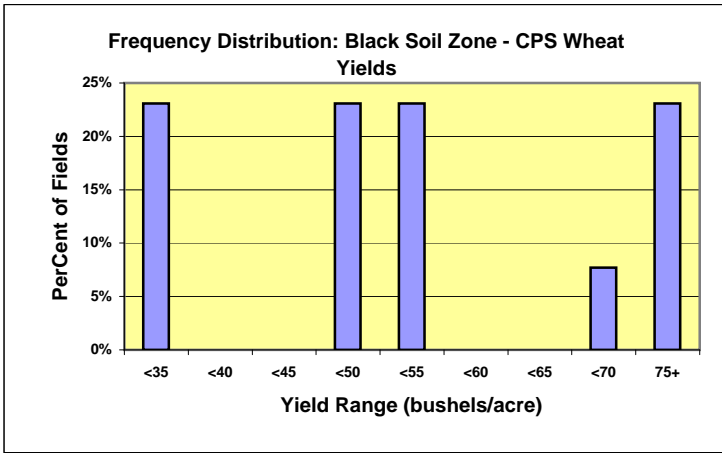
The final set of graphs shows the distribution of returns to equity, or profit per unit of production. This example shows that 75% of the fields had a loss and 25% of the fields at least broke even. Return to equity can be used to compare the profitability of one crop versus another or one farm enterprise 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 Alberta Agriculture and Food (AF) 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.

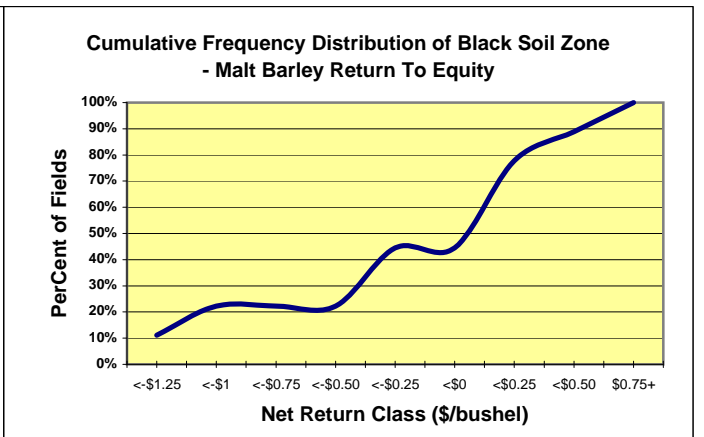
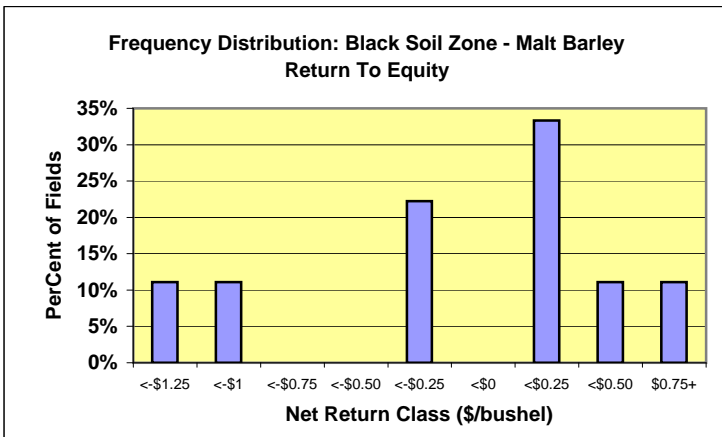
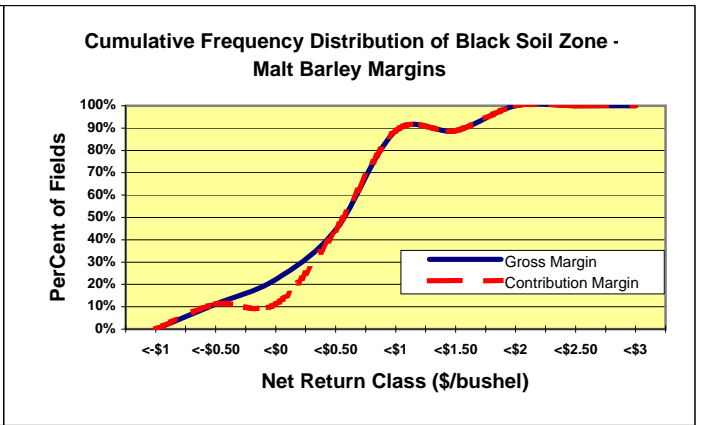
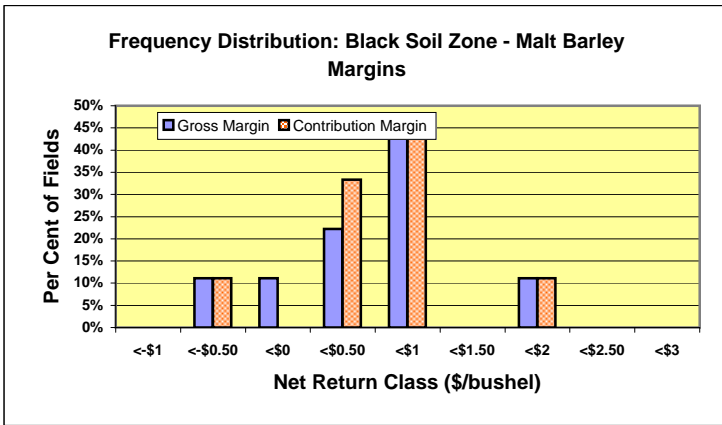
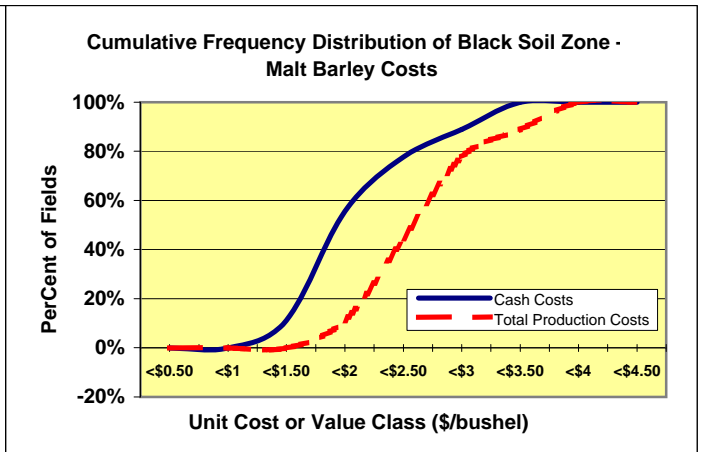
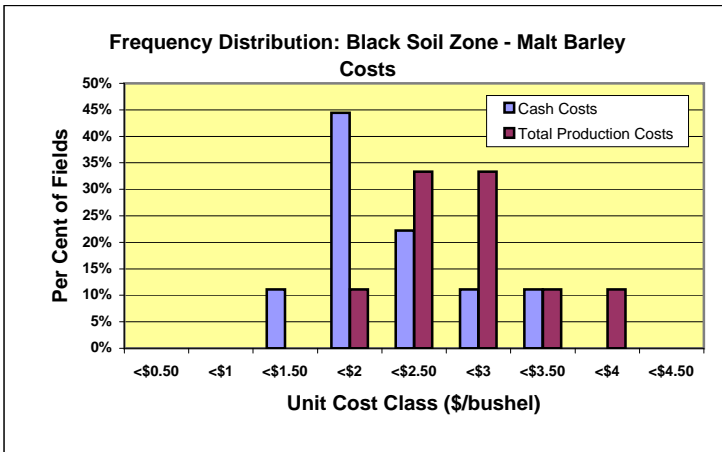
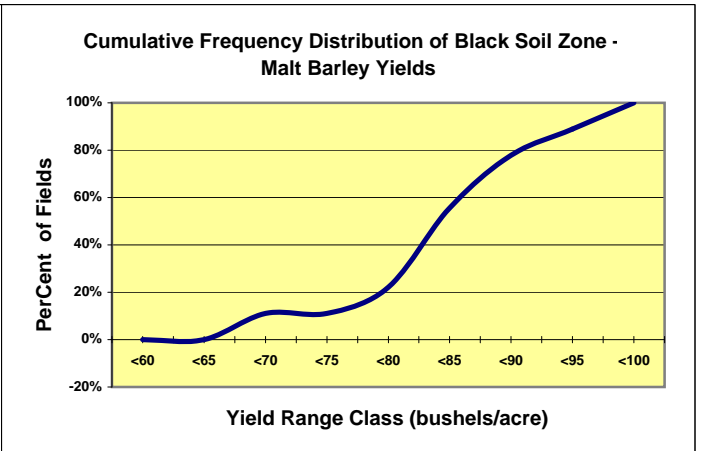
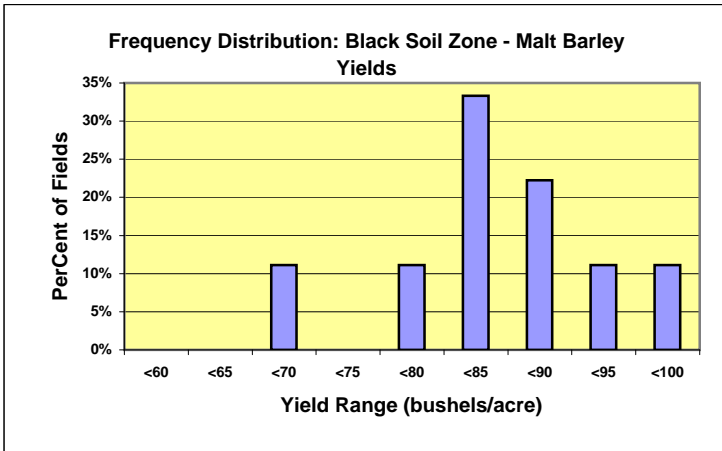
Black Soil Zone - Spring Wheat: 2005



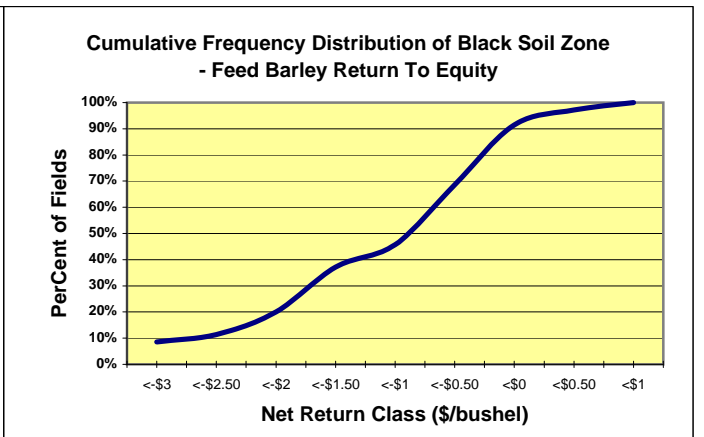
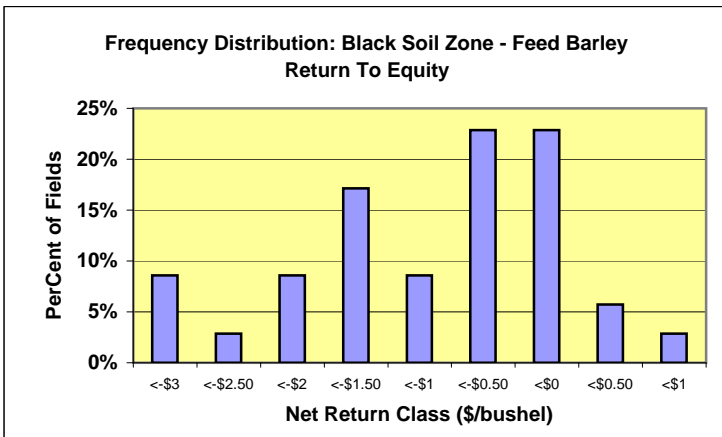
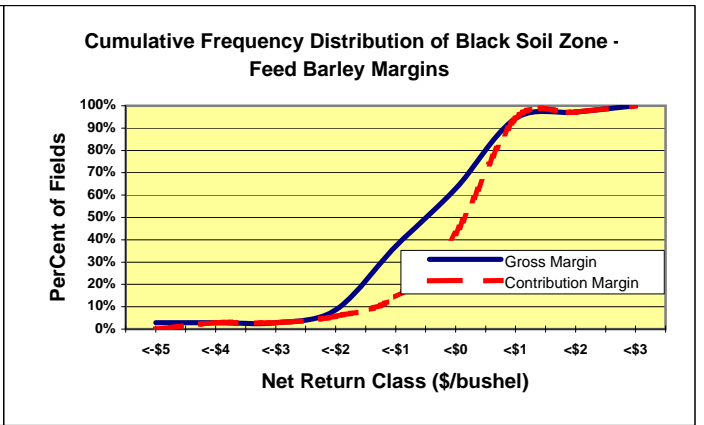
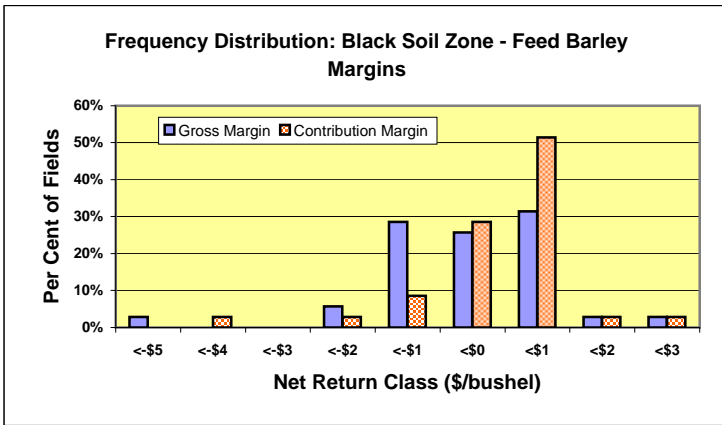
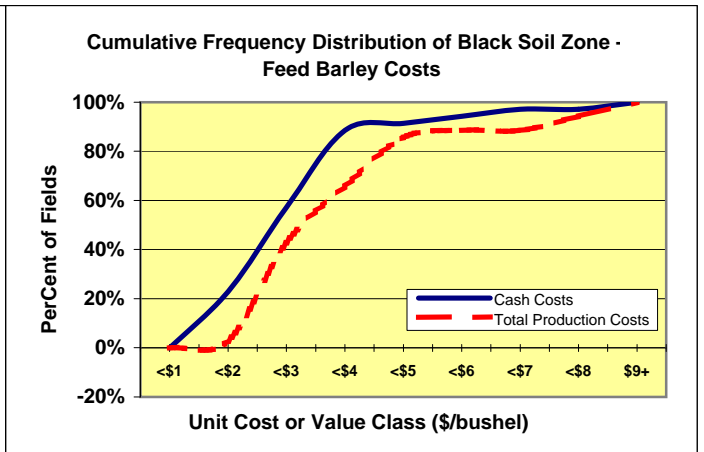
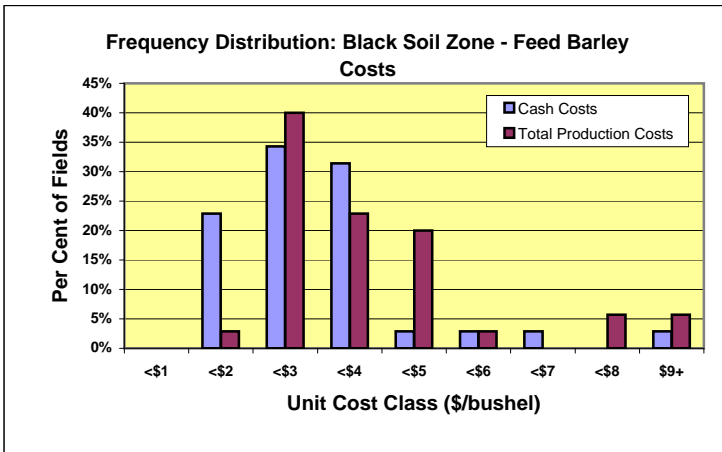
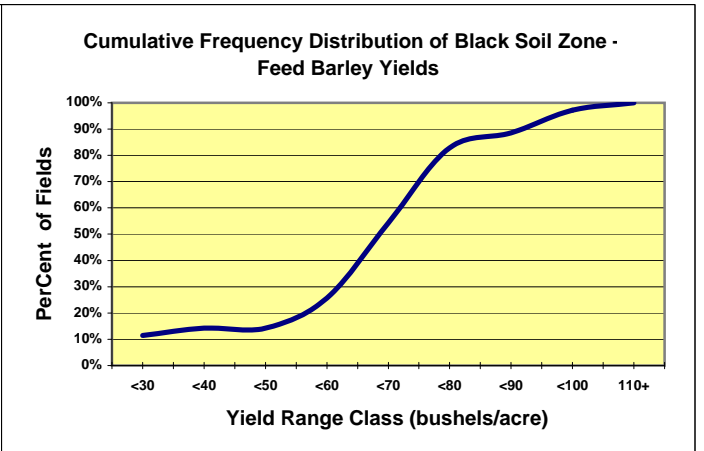
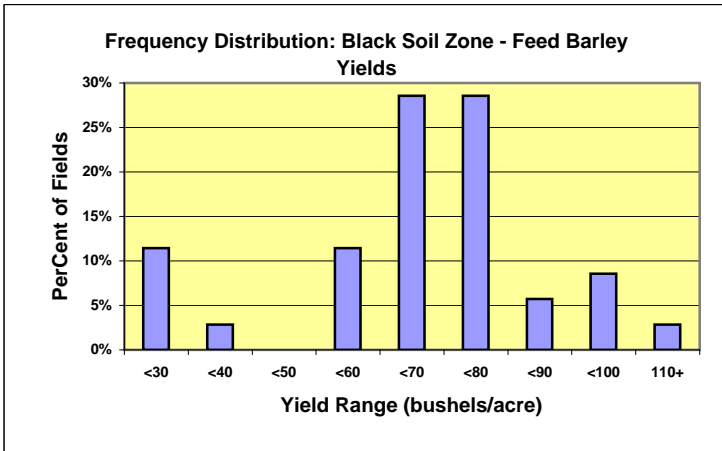
Black Soil Zone - CPS Wheat: 2005



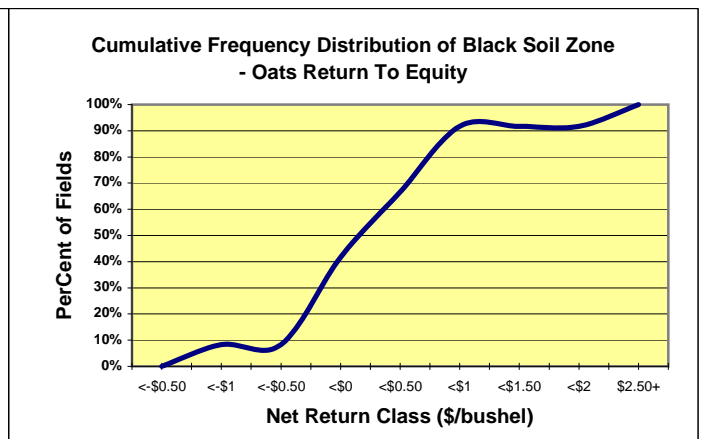
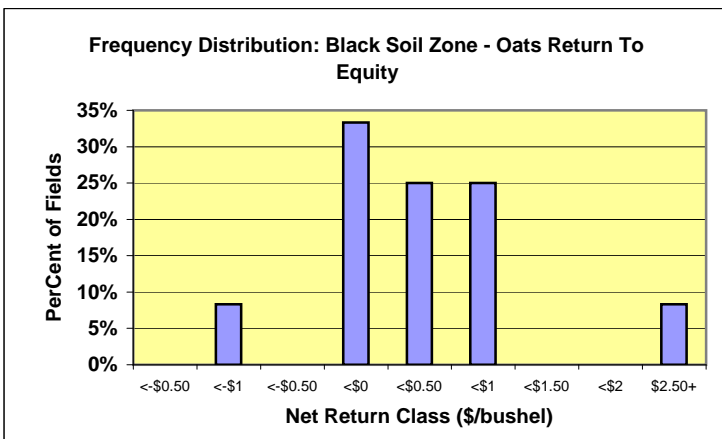
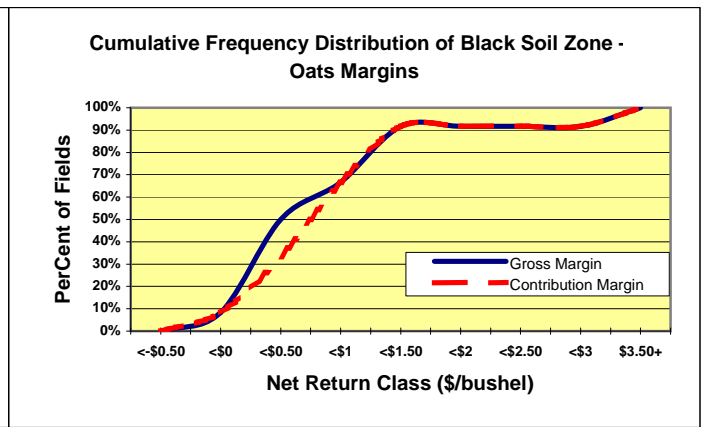
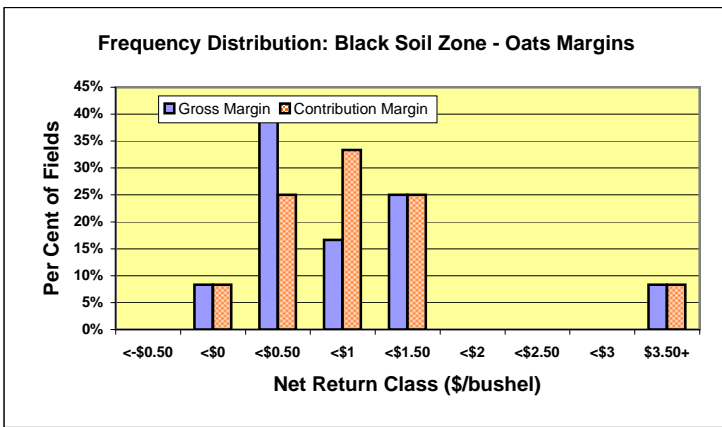
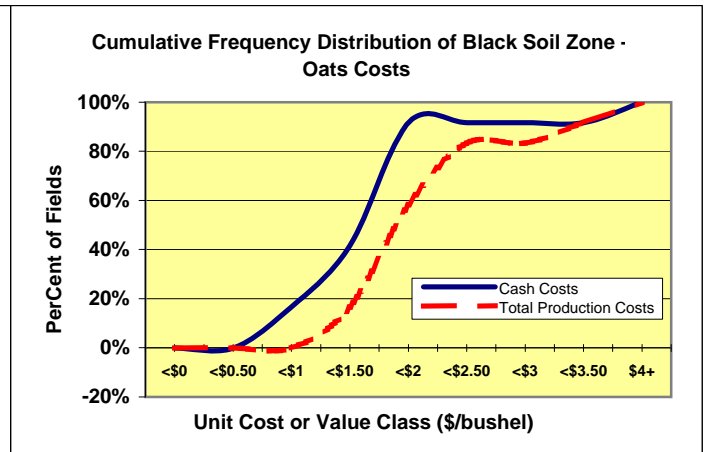
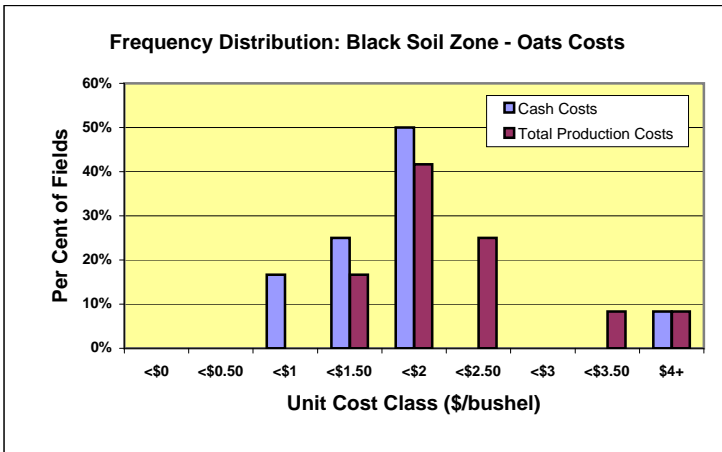
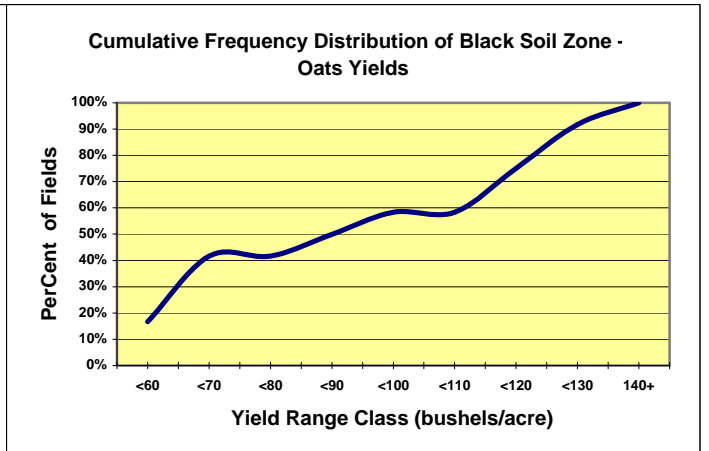
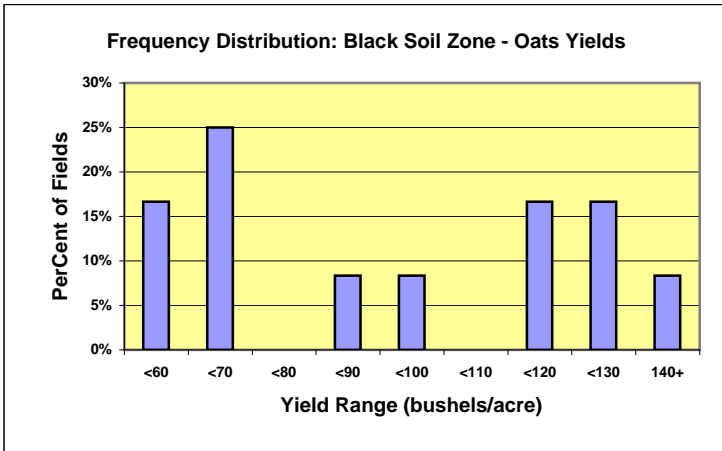
Black Soil Zone - Malt Barley: 2005



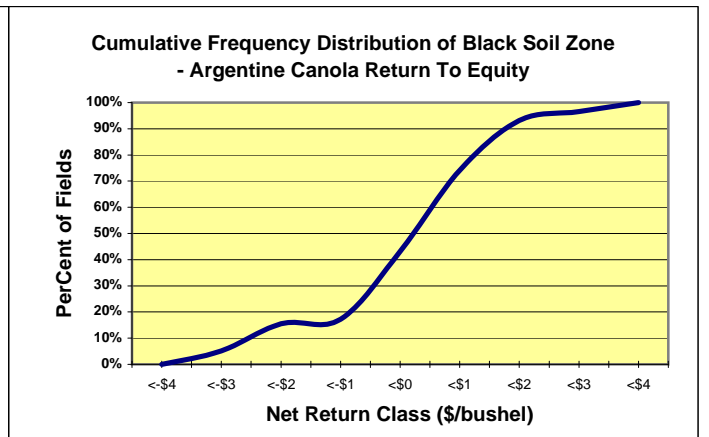
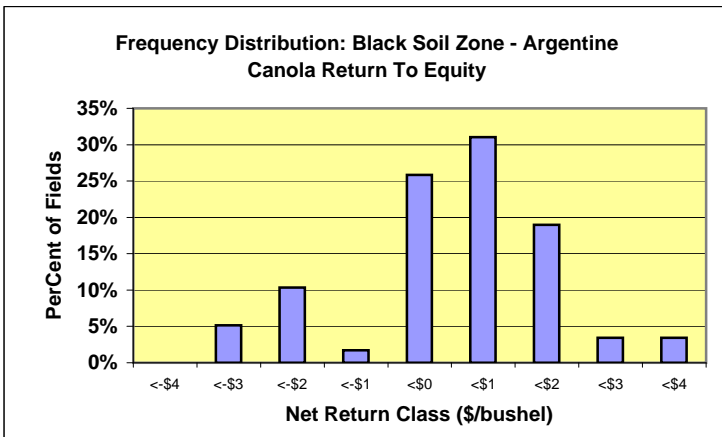
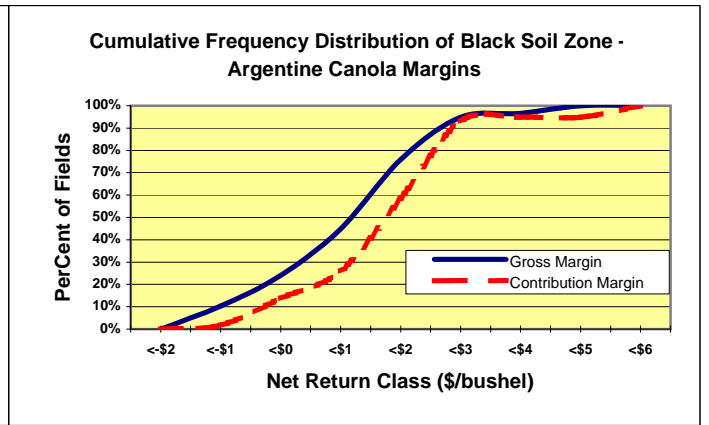
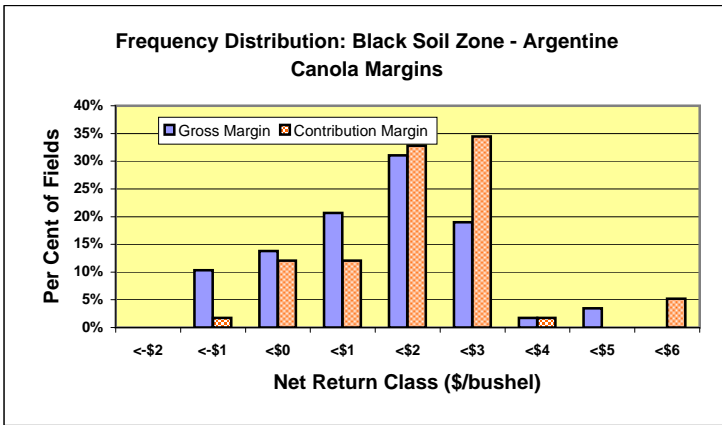
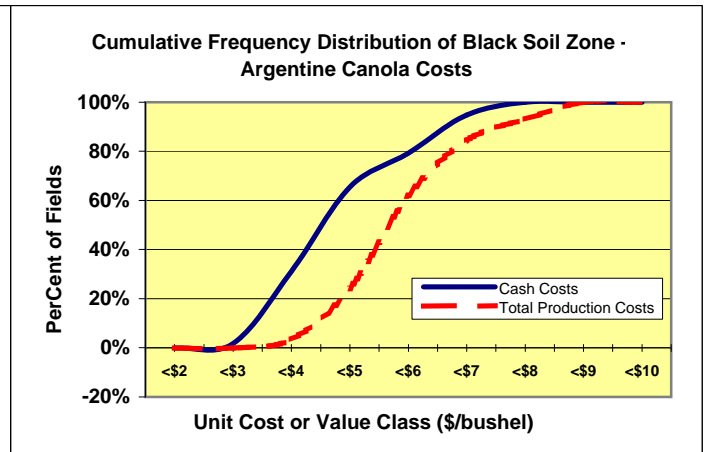
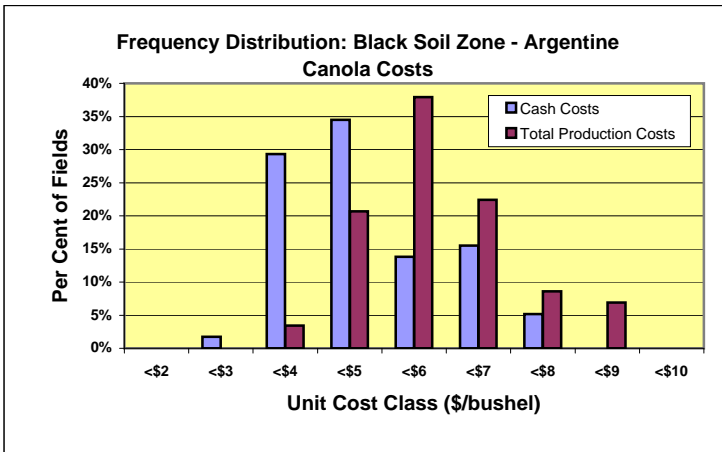
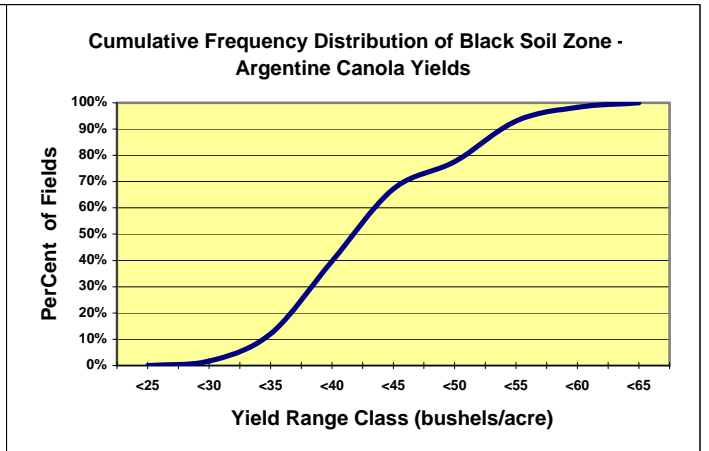
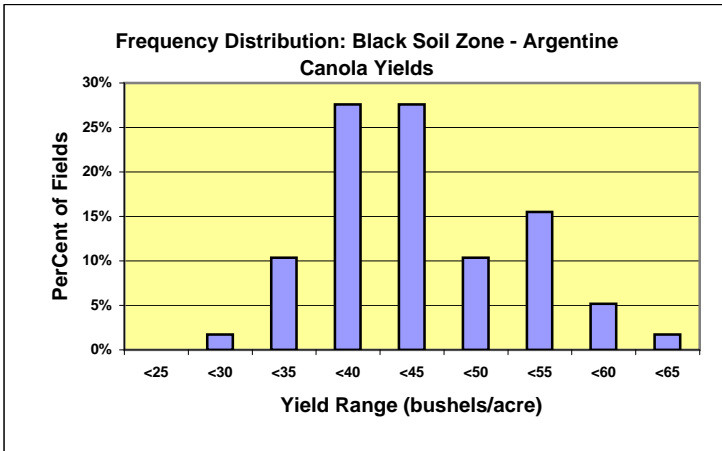
Black Soil Zone - Feed Barley: 2005



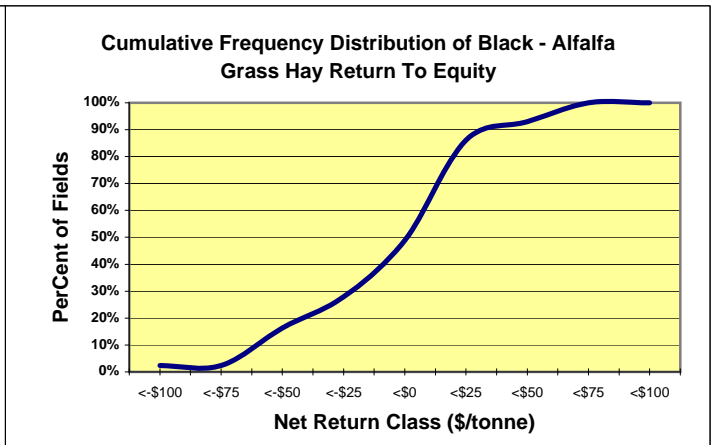
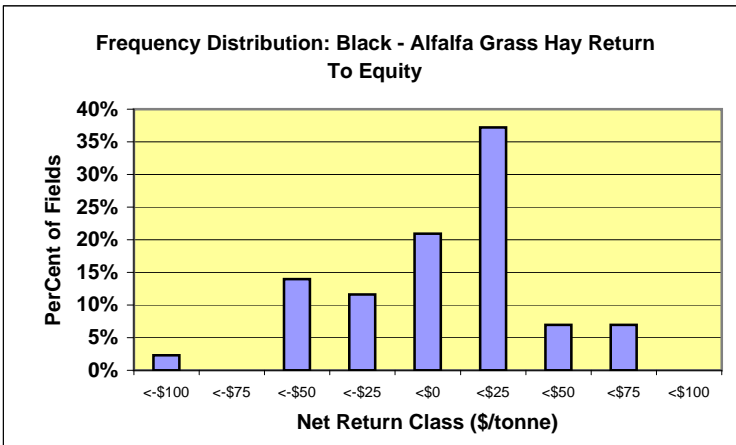
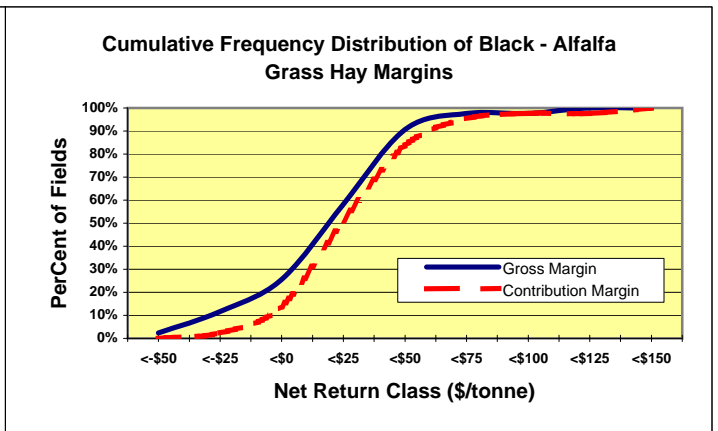
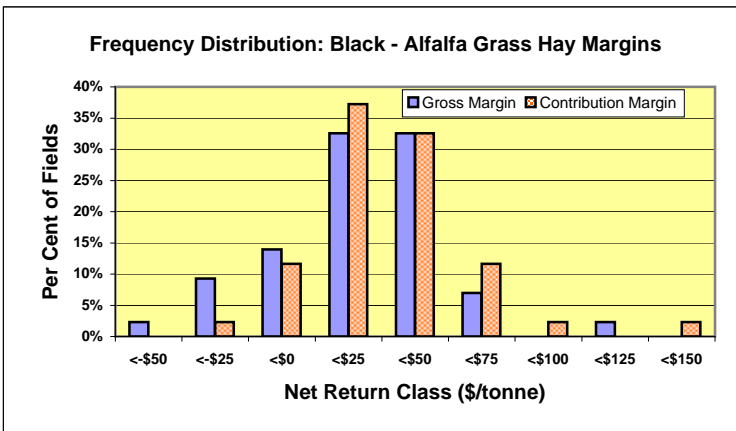
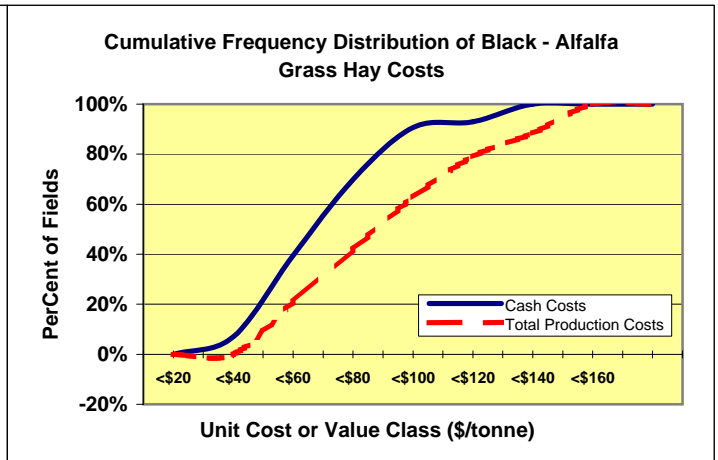
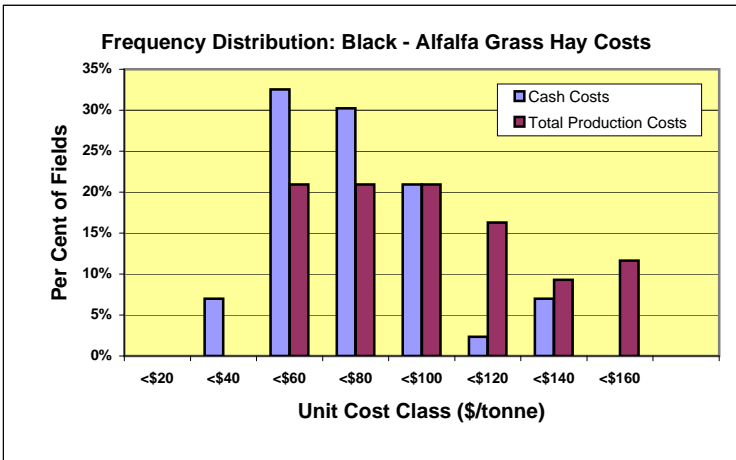
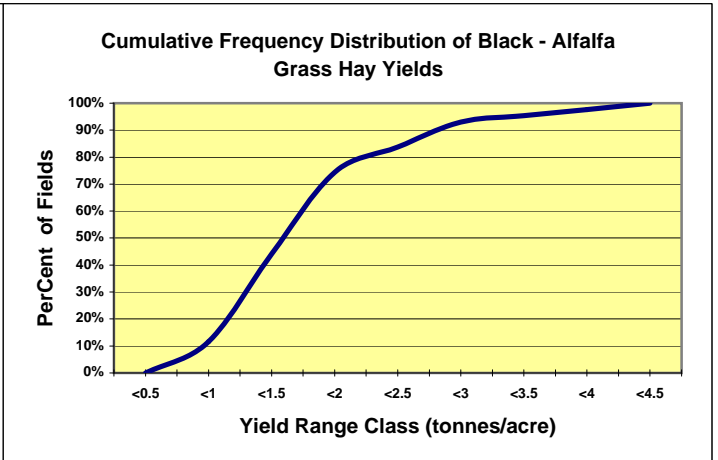
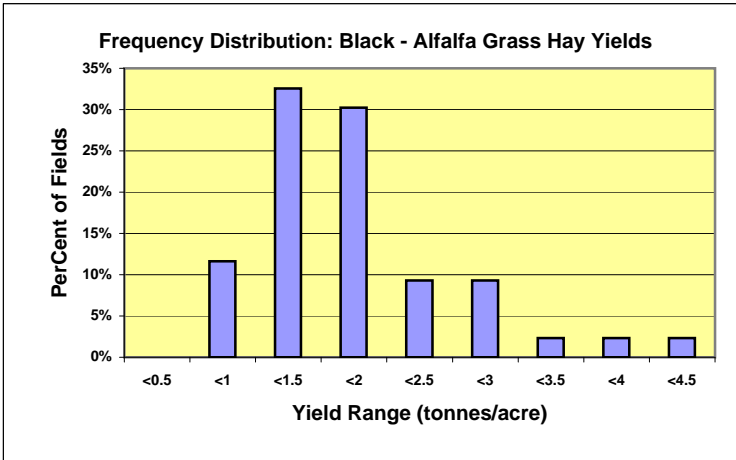
Black Soil Zone - Oats: 2005



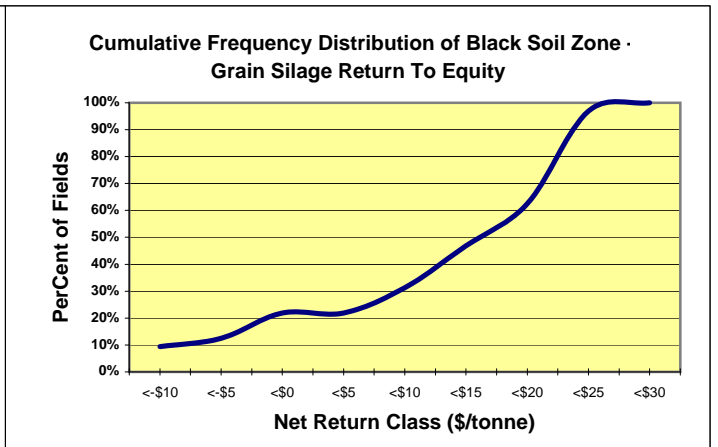
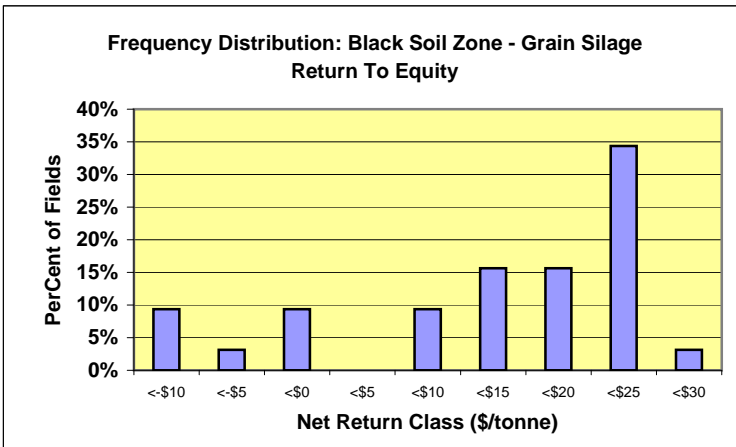
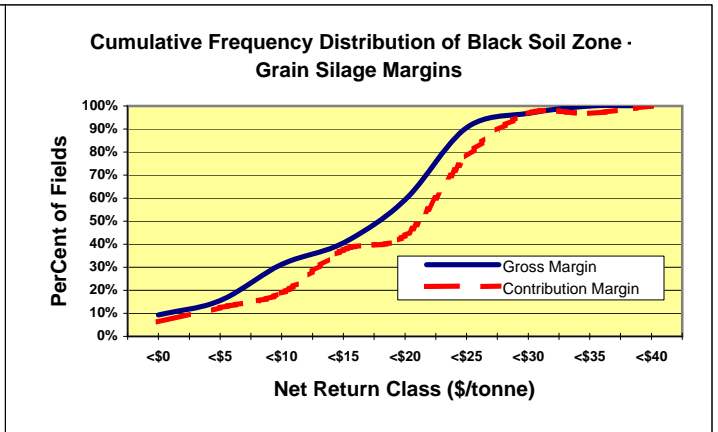
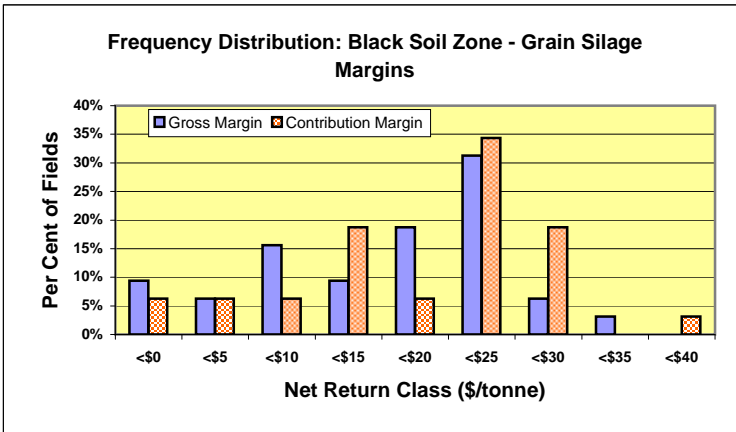
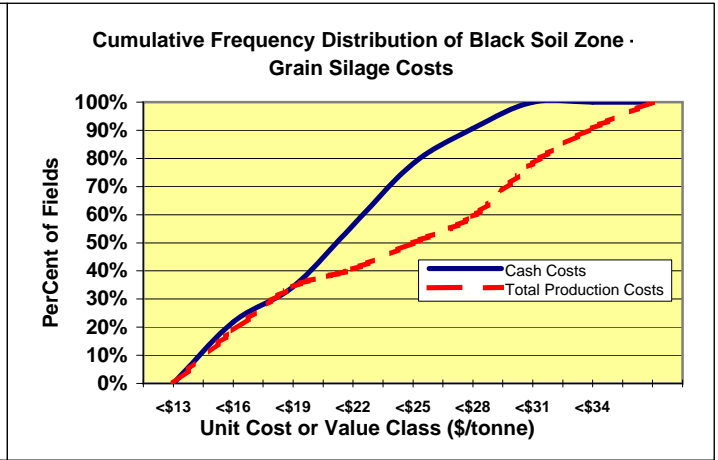
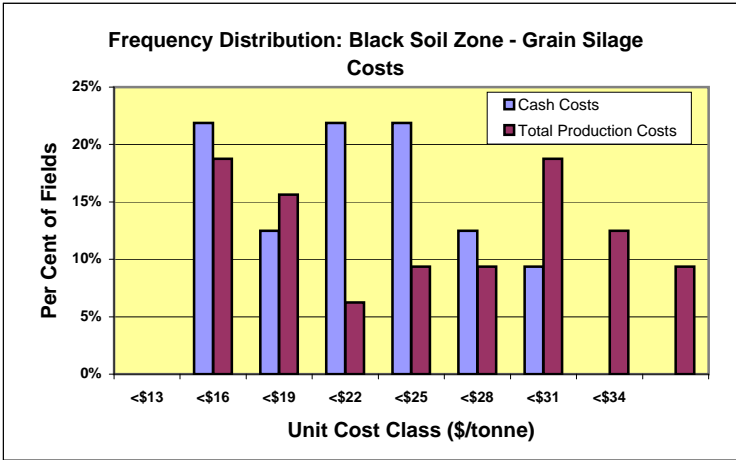
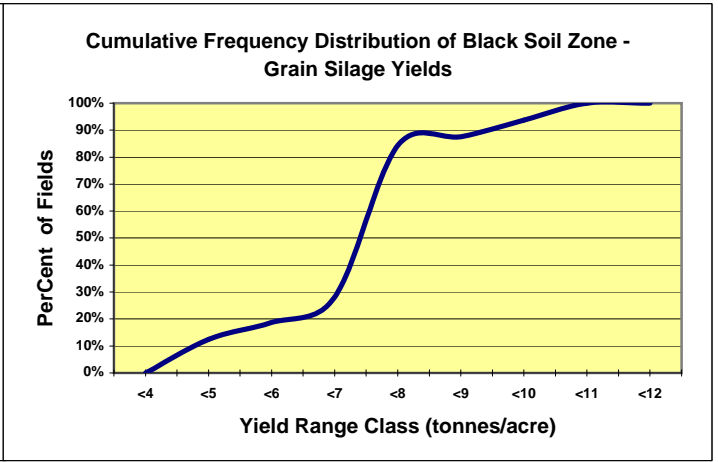
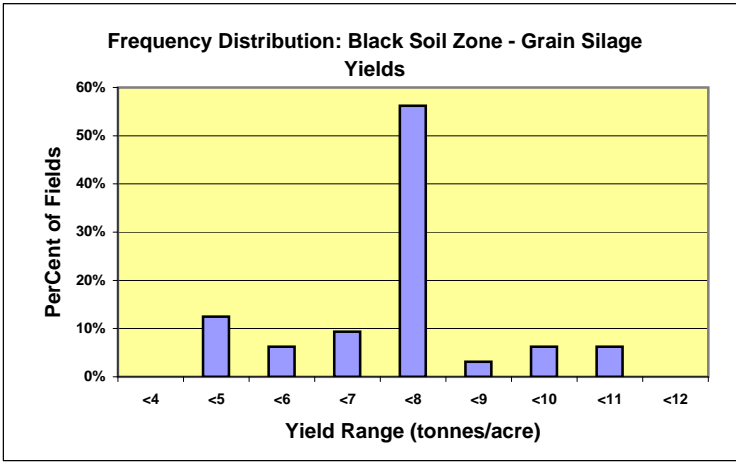
Black Soil Zone - Argentine Canola: 2005



Black - Alfalfa Grass Hay: 2005



Black Soil Zone - Grain Silage: 2005



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