

AgriProfit\$

**Cost and Return Profiles for
Selected Crops, 2004
*Dark Brown Soil Zone***

April, 2006

Alberta
AGRICULTURE, FOOD AND
RURAL DEVELOPMENT



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OVERVIEW

2004 Dark Brown Soil Zone

The AgriProfit\$ Cost and Return study is a provincial overview of costs and returns for various annual field crops and forages grown throughout the province. Participating farmers are surveyed throughout the winter and the Alberta Agriculture 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 dark brown soil zone. Where numbers warrant, there are two levels of analysis – the group average and the top third. The top third analysis is based on the top third of fields that have the highest return to equity.

The map on the upper right illustrates the Dark Brown Soil Zone area of Alberta. Please note that farms highlighted within this zone may contain characteristics of neighbouring soil zones, however, this is the grouping method used for this study.

The map on the lower right highlights the locations of participating farmers for the 2004 survey season.

For questions regarding this document please contact:

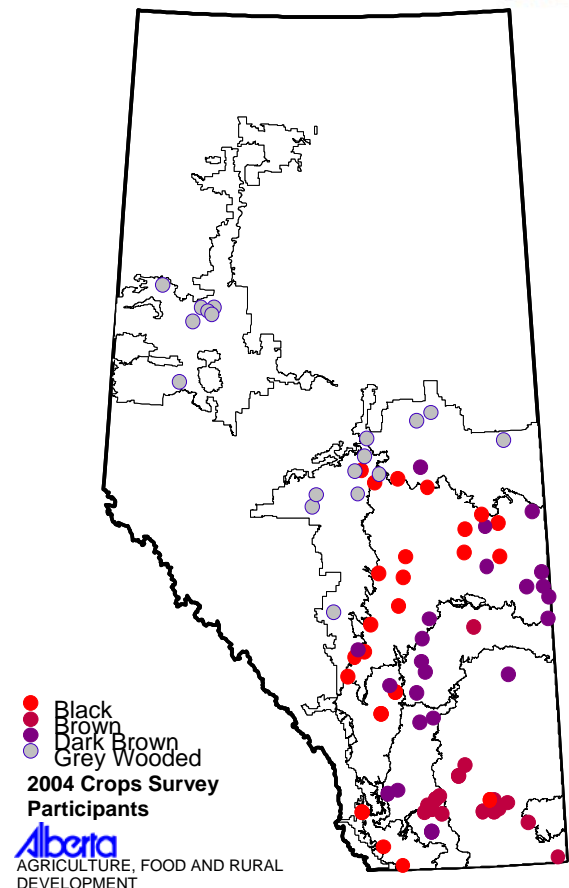
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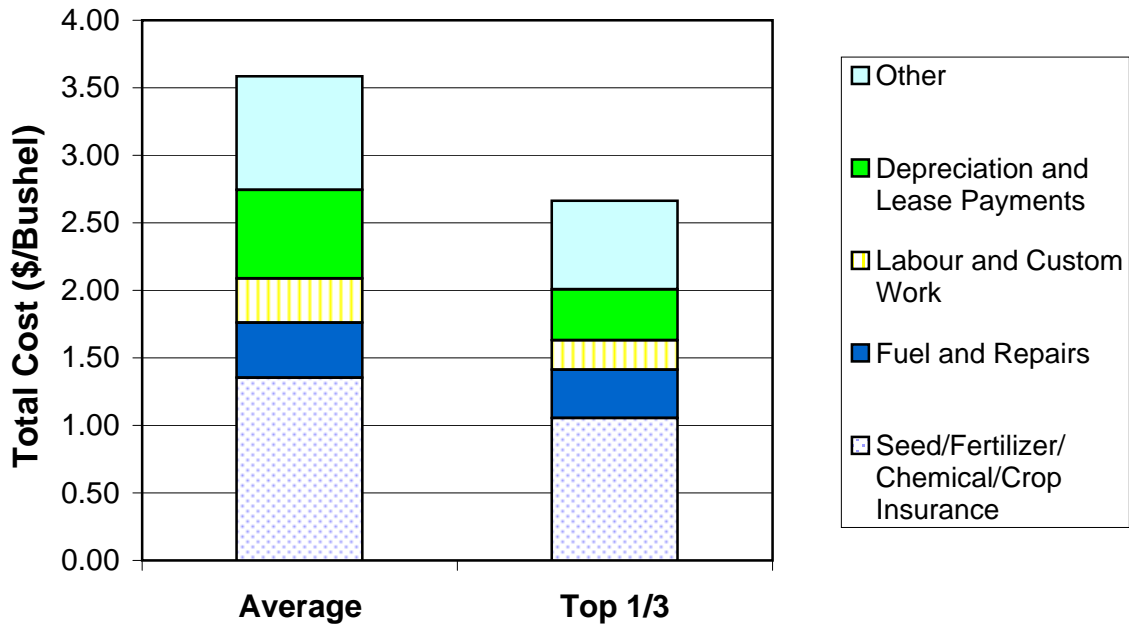
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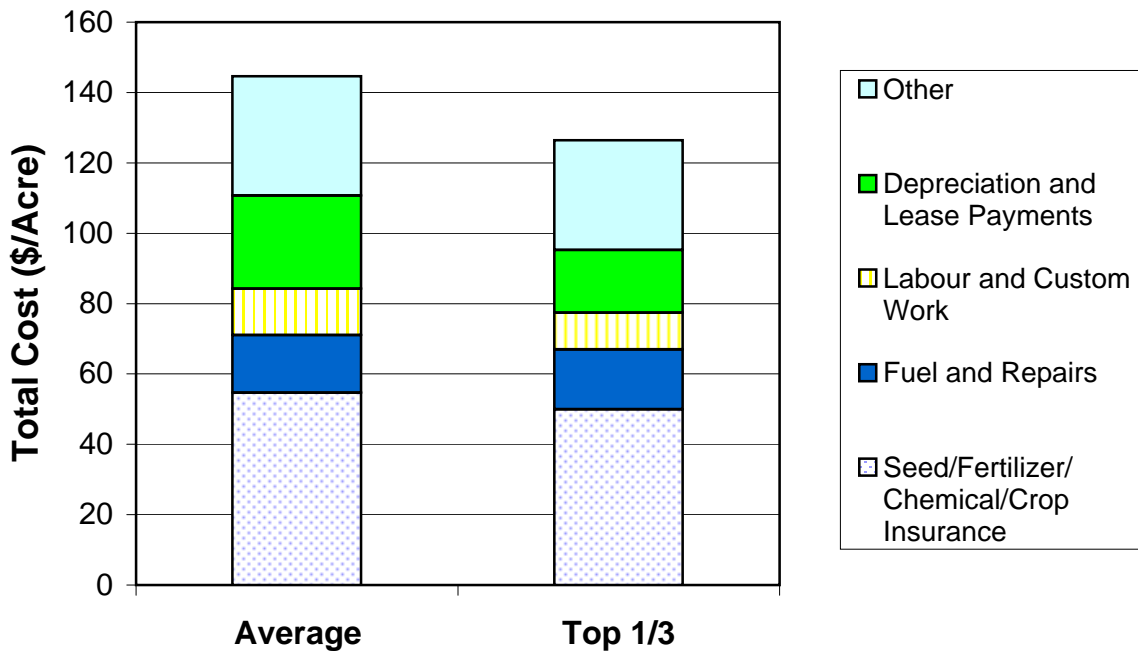
CWRS on Dark Brown Soil Zones

Total Cost (\$/Bushel)



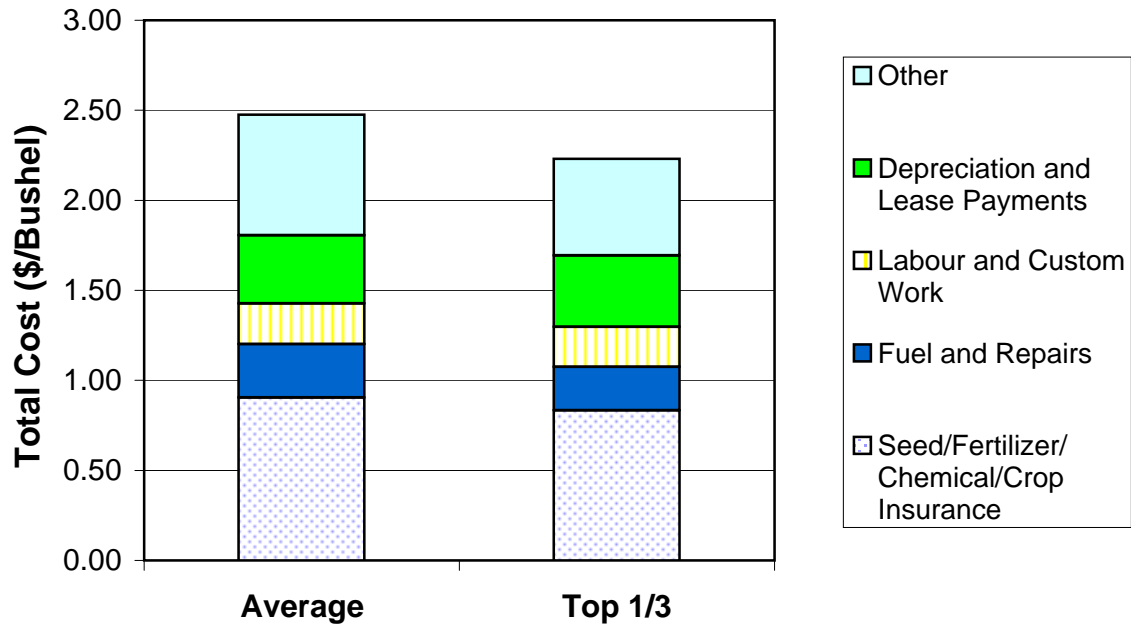
CWRS on Dark Brown Soil Zones

Total Cost (\$/Acre)



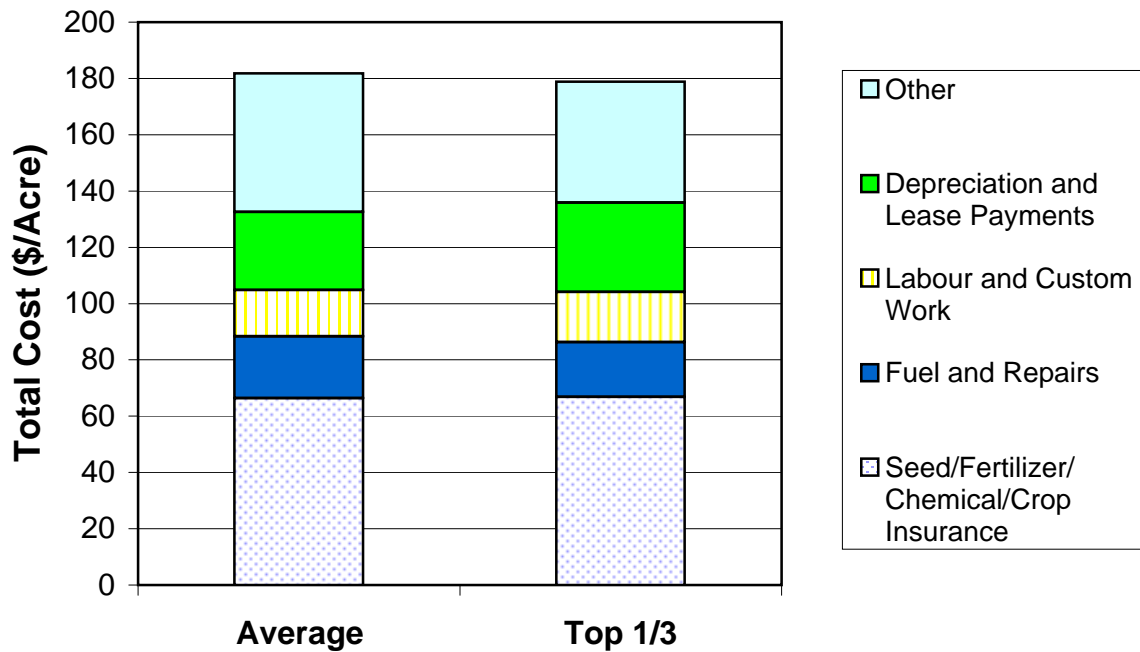
Malt Barley on Dk. Brown Soil Zones

Total Cost (\$/Bushel)



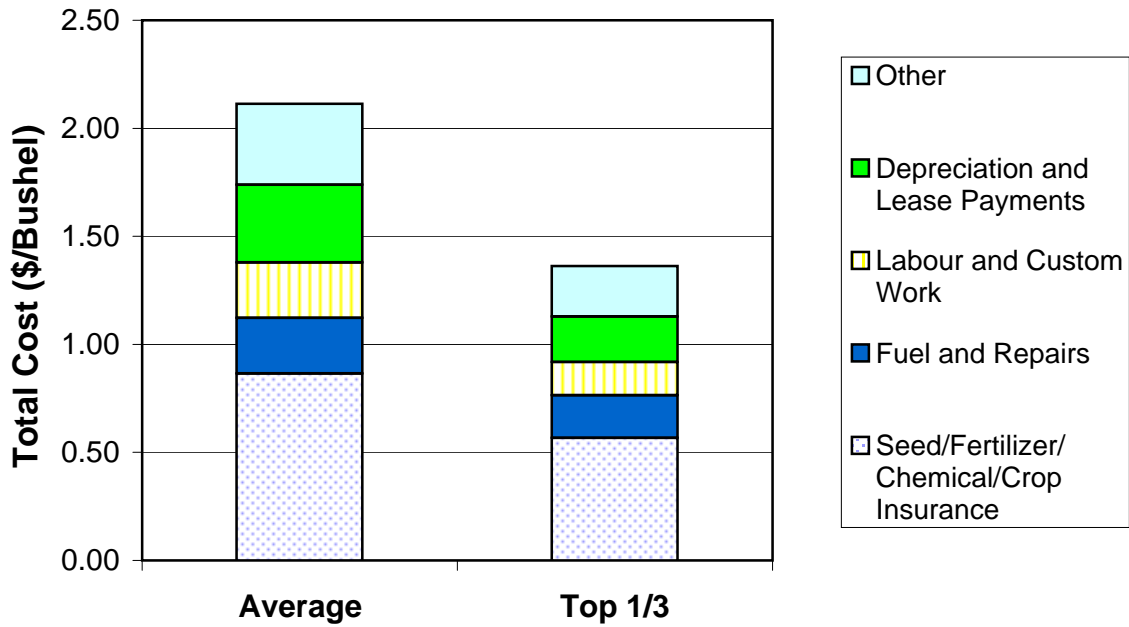
Malt Barley on Dk. Brown Soil Zones

Total Cost (\$/Acre)



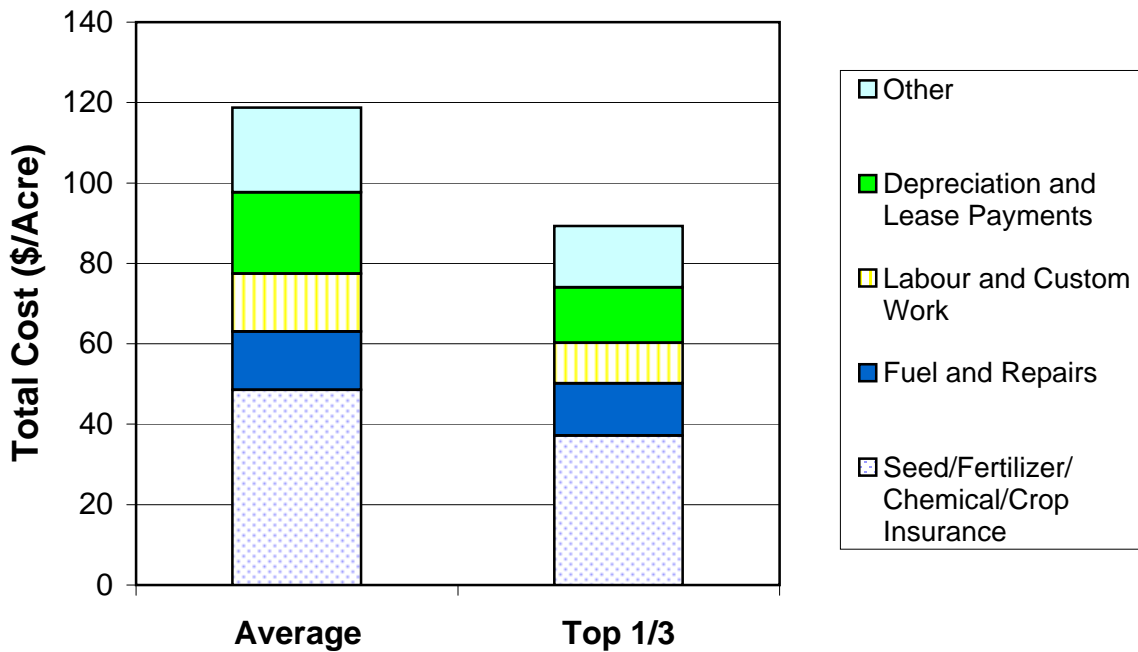
Feed Barley on Dk. Brown Soil Zones

Total Cost (\$/Bushel)



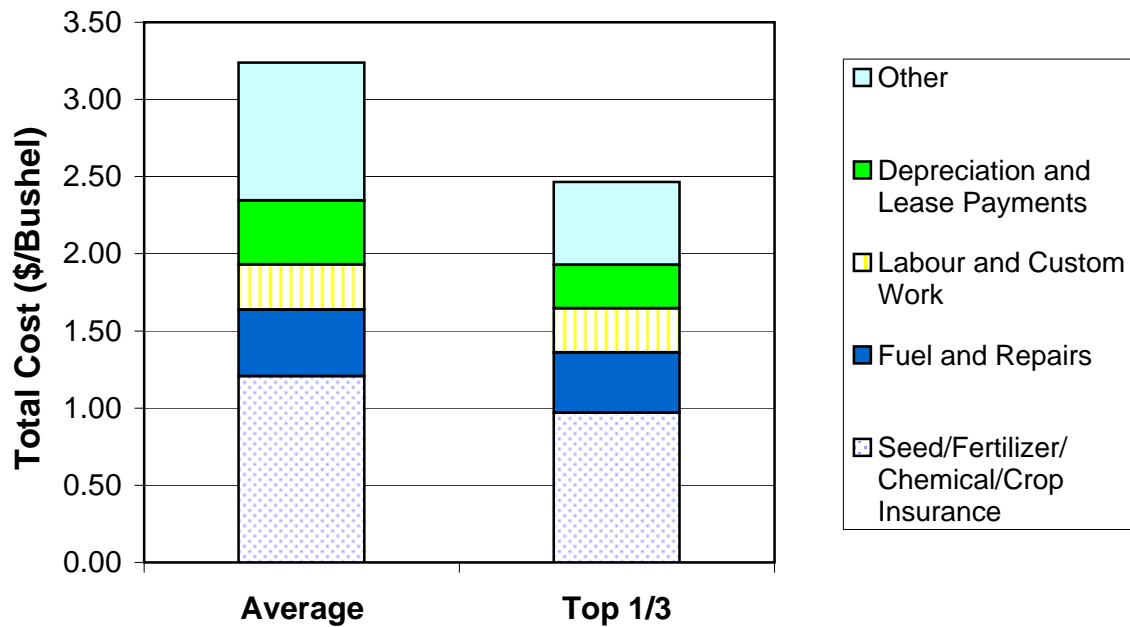
Feed Barley on Dk. Brown Soil Zones

Total Cost (\$/Acre)



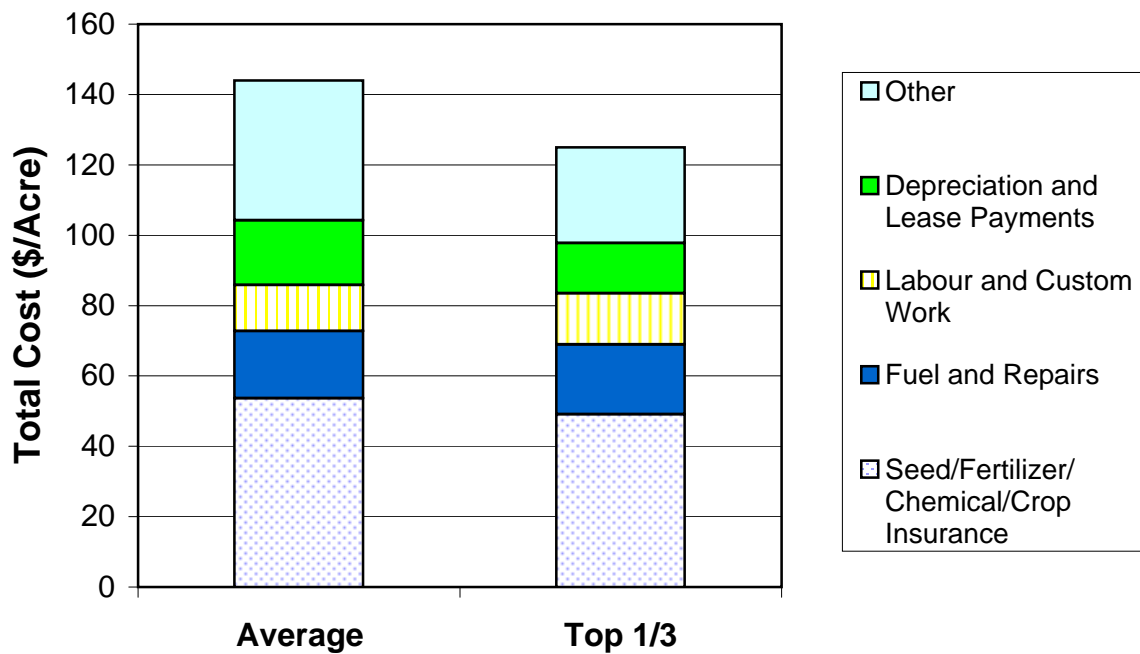
Peas on Dark Brown Soil Zones

Total Cost (\$/Bushel)



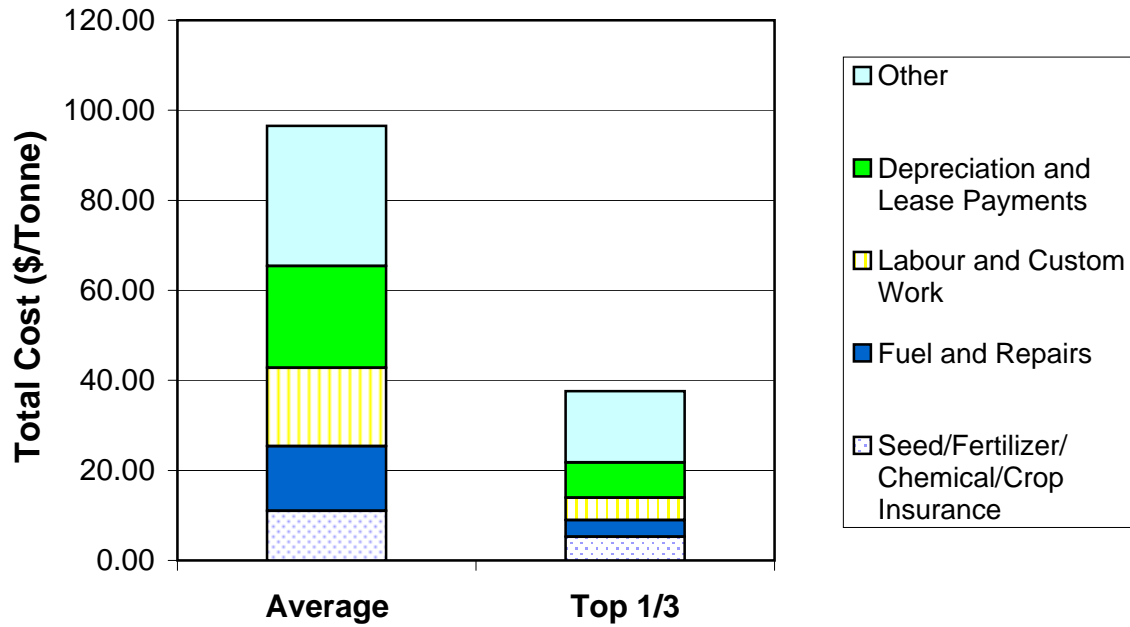
Peas on Dark Brown Soil Zones

Total Cost (\$/Acre)



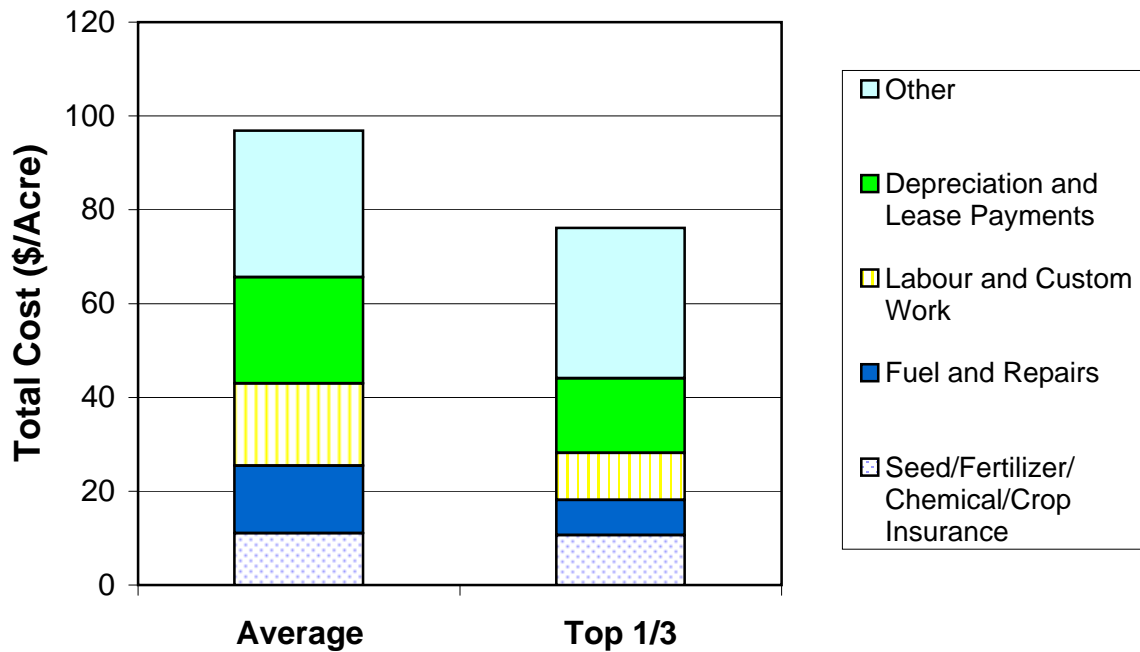
Alfalfa/Grass Hay on Dk. Brown Soil

Total Cost (\$/Tonne)



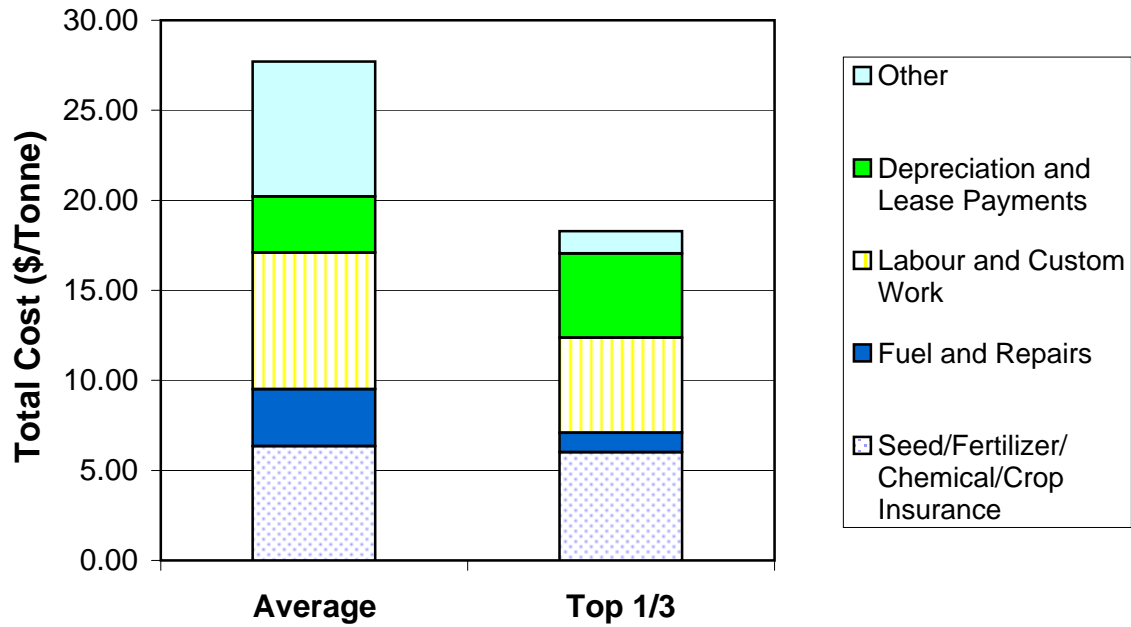
Alfalfa/Grass Hay on Dk. Brown Soil

Total Cost (\$/Acre)



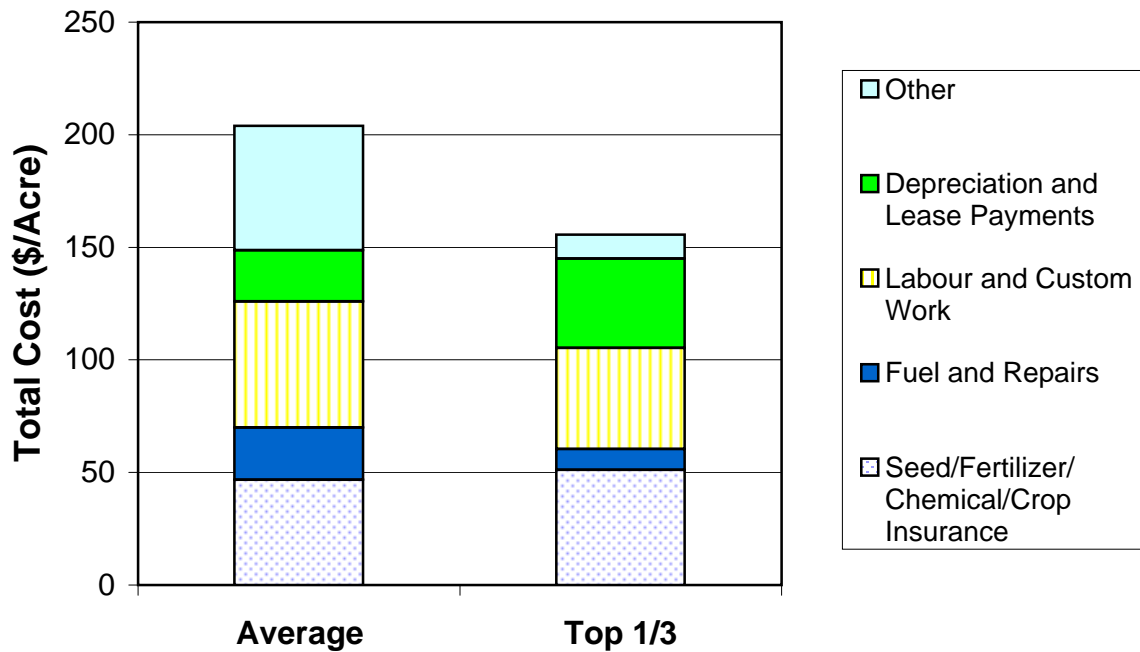
Grain Silage on Dark Brown Soil

Total Cost (\$/Tonne)



Grain Silage on Dark Brown Soil

Total Cost (\$/Acre)



2004 Crop Enterprise Analysis

Crop: CWRS - All
Soil Zone: Dark Brown - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	157.76	195.08	3.91	4.11	
	2. Crop Insurance Receipts	0.45	0.00	0.01	0.00	
	3. Other Receipts	8.80	7.97	0.22	0.17	
	Gross Receipts	167.02	203.05	4.14	4.28	
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(B)	Cost Items					
	1. Seed	8.29	8.21	0.21	0.17	
	2. Fertilizer	21.65	18.44	0.54	0.39	
	3. Chemical	16.98	17.42	0.42	0.37	
	4. Hail/Crop Insurance Premium	7.71	5.90	0.19	0.12	
	5. Trucking and Marketing	1.06	0.76	0.03	0.02	
	6. Fuel	7.48	7.60	0.19	0.16	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	8.04	8.21	0.20	0.17	
	9. Repairs - Buildings	0.88	1.16	0.02	0.02	
	10. Utilities and Miscellaneous	8.22	5.30	0.20	0.11	
	11. Custom Work	4.03	1.01	0.10	0.02	
	12. Operating Interest Paid	1.30	1.28	0.03	0.03	
	13. Paid Labour	1.61	2.24	0.04	0.05	
	14. Unpaid Labour	7.53	7.17	0.19	0.15	
	Variable Costs	94.80	84.71	2.35	1.79	
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(C)	1. Cash/ Share Land Rent	8.87	6.81	0.22	0.14	
	2. Taxes, Water Rates, License & Ins.	4.63	5.99	0.11	0.13	
	3. Equipment and Building:	a) Depreciation	24.62	17.48	0.61	0.37
		b) Lease Payments	1.86	0.41	0.05	0.01
	4. Paid Capital Interest	9.89	11.00	0.25	0.88	
	Capital Costs	49.87	41.69	1.24	1.53	
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(D)	Cash Costs	112.52	101.75	2.79	2.79	
(E)	Total Production Costs	144.67	126.40	3.59	3.31	
	Gross Margin	54.50	101.30	1.35	1.49	
	Return to Unpaid Labour	29.88	83.82	0.74	1.12	
	Return to Investment	32.24	87.65	0.80	1.85	
	Return to Equity	22.35	76.65	0.55	0.97	

Investment

Buildings	83.85	65.73
Machinery	231.08	159.18
Irrigation Machinery	0.00	0.00
Total (incl. Land)	971.15	1023.52

Management

Average Yield	(Bushel/acre)	40.35	47.44
Expected Market Price	(\$/Bushel)	3.91	4.11

2004 Crop Enterprise Analysis

Crop: CWRS - Own
Soil Zone: Dark Brown - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	148.82	203.28	3.85	4.12	
	2. Crop Insurance Receipts	0.56	0.00	0.01	0.00	
	3. Other Receipts	7.34	9.27	0.19	0.19	
	Gross Receipts	156.72	212.55	4.06	4.30	
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(B)	Cost Items					
	1. Seed	7.97	8.61	0.21	0.17	
	2. Fertilizer	21.42	20.54	0.55	0.42	
	3. Chemical	16.33	18.34	0.42	0.37	
	4. Hail/Crop Insurance Premium	7.56	5.56	0.20	0.11	
	5. Trucking and Marketing	0.98	0.53	0.03	0.01	
	6. Fuel	7.42	8.81	0.19	0.18	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	7.53	10.13	0.20	0.21	
	9. Repairs - Buildings	0.90	1.23	0.02	0.02	
	10. Utilities and Miscellaneous	8.28	5.04	0.21	0.10	
	11. Custom Work	4.49	0.96	0.12	0.02	
	12. Operating Interest Paid	1.01	1.67	0.03	0.03	
	13. Paid Labour	1.35	2.14	0.03	0.04	
	14. Unpaid Labour	7.76	8.70	0.20	0.18	
	Variable Costs	92.99	92.26	2.41	1.87	
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(C)	1. Cash/ Share Land Rent	0.67	3.01	0.02	0.06	
	2. Taxes, Water Rates, License & Ins.	5.10	7.51	0.13	0.15	
	3. Equipment and Building:	a) Depreciation	25.92	19.40	0.67	0.39
		b) Lease Payments	1.66	0.53	0.04	0.01
	4. Paid Capital Interest	11.17	14.18	0.29	0.90	
	Capital Costs	44.52	44.64	1.15	1.52	
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(D)	Cash Costs	103.84	108.80	2.69	2.82	
(E)	Total Production Costs	137.51	136.90	3.56	3.39	
	Gross Margin	52.88	103.75	1.37	1.48	
	Return to Unpaid Labour	26.97	84.35	0.70	1.09	
	Return to Investment	30.38	89.83	0.79	1.82	
	Return to Equity	19.21	75.65	0.50	0.92	

Investment

Buildings	89.02	76.01
Machinery	242.36	176.29
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1153.17	1304.72

Management

Average Yield	(Bushel/acre)	38.62	49.38
Expected Market Price	(\$/Bushel)	3.85	4.12

2004 Crop Enterprise Analysis

Crop: CWRS - Rent
Soil Zone: Dark Brown - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	193.22	169.29	4.09	4.09	
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00	
	3. Other Receipts	14.60	3.87	0.31	0.09	
	Gross Receipts	207.83	173.16	4.40	4.19	
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(B)	Cost Items					
	1. Seed	9.57	6.95	0.20	0.17	
	2. Fertilizer	22.54	11.85	0.48	0.29	
	3. Chemical	19.53	14.53	0.41	0.35	
	4. Hail/Crop Insurance Premium	8.33	6.97	0.18	0.17	
	5. Trucking and Marketing	1.38	1.51	0.03	0.04	
	6. Fuel	7.73	3.82	0.16	0.09	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	10.06	2.17	0.21	0.05	
	9. Repairs - Buildings	0.82	0.94	0.02	0.02	
	10. Utilities and Miscellaneous	7.98	6.11	0.17	0.15	
	11. Custom Work	2.24	1.17	0.05	0.03	
	12. Operating Interest Paid	2.44	0.03	0.05	0.00	
	13. Paid Labour	2.68	2.54	0.06	0.06	
	14. Unpaid Labour	6.64	2.36	0.14	0.06	
	Variable Costs	101.94	60.95	2.16	1.47	
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(C)	1. Cash/ Share Land Rent	41.38	18.75	0.88	0.45	
	2. Taxes, Water Rates, License & Ins.	2.78	1.21	0.06	0.03	
	3. Equipment and Building:	a) Depreciation	19.46	11.43	0.41	0.28
		b) Lease Payments	2.65	0.00	0.06	0.00
	4. Paid Capital Interest	4.82	1.02	0.10	0.78	
	Capital Costs	71.10	32.40	1.51	1.54	
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(D)	Cash Costs	146.94	79.57	3.11	2.68	
(E)	Total Production Costs	173.04	93.36	3.66	3.02	
	Gross Margin	60.88	93.59	1.29	1.50	
	Return to Unpaid Labour	41.42	82.16	0.88	1.23	
	Return to Investment	39.61	80.82	0.84	1.95	
	Return to Equity	34.78	79.80	0.74	1.17	

Investment

Buildings	63.35	33.36
Machinery	186.37	105.34
Irrigation Machinery	0.00	0.00
Total (incl. Land)	249.72	138.70

Management

Average Yield	(Bushel/acre)	47.22	41.35
Expected Market Price	(\$/Bushel)	4.09	4.09

2004 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	236.28	--	3.72	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	9.86	--	0.16	--
	Gross Receipts	246.14	0.00	3.87	0.00
(B)	Cost Items				
	1. Seed	14.05	--	0.22	--
	2. Fertilizer	36.22	--	0.57	--
	3. Chemical	11.53	--	0.18	--
	4. Hail/Crop Insurance Premium	7.09	--	0.11	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	7.37	--	0.12	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	13.28	--	0.21	--
	9. Repairs - Buildings	0.27	--	0.00	--
	10. Utilities and Miscellaneous	11.52	--	0.18	--
	11. Custom Work	8.59	--	0.14	--
	12. Operating Interest Paid	4.34	--	0.07	--
	13. Paid Labour	1.43	--	0.02	--
	14. Unpaid Labour	9.72	--	0.15	--
	Variable Costs	125.39	0.00	1.97	0.00
(C)	1. Cash/ Share Land Rent	33.79	--	0.53	--
	2. Taxes, Water Rates, License & Ins.	6.85	--	0.11	--
	3. Equipment and Building: a) Depreciation	18.90	--	0.30	--
	b) Lease Payments	8.78	--	0.14	--
4. Paid Capital Interest	15.97	--	0.25	--	
	Capital Costs	84.28	0.00	1.33	0.00
(D)	Cash Costs	(B+C-B14-C3a)	181.06	--	2.85
(E)	Total Production Costs	(B+C)	209.67	--	3.30
	Gross Margin	(A-D)	65.08	--	1.02
	Return to Unpaid Labour	(A-E+B14)	46.19	--	0.73
	Return to Investment	(A-E+C4)	52.44	--	0.83
	Return to Equity	(A-E)	36.47	--	0.57

Investment

Buildings	81.37	--
Machinery	177.41	--
Irrigation Machinery	0.00	--
Total (incl. Land)	543.58	--

Management

Average Yield	(Bushel/acre)	63.56	--
Expected Market Price	(\$/Bushel)	3.72	--

2004 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	152.98	--	4.46	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	9.24	--	0.27	--	
	Gross Receipts	162.21	0.00	4.73	0.00	
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(B)	Cost Items					
	1. Seed	8.52	--	0.25	--	
	2. Fertilizer	17.66	--	0.52	--	
	3. Chemical	16.10	--	0.47	--	
	4. Hail/Crop Insurance Premium	9.90	--	0.29	--	
	5. Trucking and Marketing	1.46	--	0.04	--	
	6. Fuel	5.19	--	0.15	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	4.88	--	0.14	--	
	9. Repairs - Buildings	0.57	--	0.02	--	
	10. Utilities and Miscellaneous	7.02	--	0.20	--	
	11. Custom Work	0.68	--	0.02	--	
	12. Operating Interest Paid	1.34	--	0.04	--	
	13. Paid Labour	2.26	--	0.07	--	
	14. Unpaid Labour	3.49	--	0.10	--	
Variable Costs	79.07	0.00	2.31	0.00		
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(C)	1. Cash/ Share Land Rent	20.56	--	0.60	--	
	2. Taxes, Water Rates, License & Ins.	3.40	--	0.10	--	
	3. Equipment and Building:	a) Depreciation	15.71	--	0.46	--
		b) Lease Payments	1.43	--	0.04	--
	4. Paid Capital Interest	7.12	--	0.21	--	
Capital Costs	48.22	0.00	1.41	0.00		
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(D)	Cash Costs	108.09	--	3.15	--	
(E)	Total Production Costs	127.30	--	3.71	--	
	Gross Margin	54.13	--	1.58	--	
	Return to Unpaid Labour	38.41	--	1.12	--	
	Return to Investment	42.04	--	1.23	--	
	Return to Equity	34.92	--	1.02	--	

Investment

Buildings	49.34	--
Machinery	149.02	--
Irrigation Machinery	0.00	--
Total (incl. Land)	618.57	--

Management

Average Yield	(Bushel/acre)	34.27	--
Expected Market Price	(\$/Bushel)	4.46	--

2004 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	192.19	222.12	2.62	2.77	
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00	
	3. Other Receipts	14.73	7.69	0.20	0.10	
	Gross Receipts	206.91	229.81	2.82	2.86	
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(B)	Cost Items					
	1. Seed	9.63	10.98	0.13	0.14	
	2. Fertilizer	29.91	33.08	0.41	0.41	
	3. Chemical	18.02	14.70	0.25	0.18	
	4. Hail/Crop Insurance Premium	8.88	8.06	0.12	0.10	
	5. Trucking and Marketing	0.45	0.00	0.01	0.00	
	6. Fuel	8.83	6.94	0.12	0.09	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	12.30	11.57	0.17	0.14	
	9. Repairs - Buildings	0.75	0.95	0.01	0.01	
	10. Utilities and Miscellaneous	10.54	13.03	0.14	0.16	
	11. Custom Work	5.55	7.65	0.08	0.10	
	12. Operating Interest Paid	3.17	2.79	0.04	0.03	
	13. Paid Labour	1.70	0.35	0.02	0.00	
	14. Unpaid Labour	9.31	9.86	0.13	0.12	
Variable Costs	119.02	119.98	1.62	1.50		
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(C)	1. Cash/ Share Land Rent	18.70	11.26	0.25	0.14	
	2. Taxes, Water Rates, License & Ins.	5.41	5.17	0.07	0.06	
	3. Equipment and Building:	a) Depreciation	23.22	22.36	0.32	0.28
		b) Lease Payments	4.49	9.36	0.06	0.12
	4. Paid Capital Interest	10.99	10.77	0.15	0.73	
Capital Costs	62.82	58.92	0.86	1.33		
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(D)	Cash Costs	(B+C-B14-C3a)	149.31	146.68	2.03	2.43
(E)	Total Production Costs	(B+C)	181.84	178.90	2.48	2.83
	Gross Margin	(A-D)	57.60	83.13	0.78	0.44
	Return to Unpaid Labour	(A-E+B14)	34.38	60.77	0.47	0.16
	Return to Investment	(A-E+C4)	36.06	61.67	0.49	0.77
	Return to Equity	(A-E)	25.07	50.91	0.34	0.03

Investment

Buildings	89.41	109.40
Machinery	215.93	205.93
Irrigation Machinery	0.00	0.00
Total (incl. Land)	772.63	981.27

Management

Average Yield	(Bushel/acre)	73.46	80.24
Expected Market Price	(\$/Bushel)	2.62	2.77

2004 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	179.08	200.81	2.60	2.79
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	15.13	5.04	0.22	0.07
	Gross Receipts	194.21	205.85	2.82	2.86
(B)	Cost Items				
	1. Seed	9.28	8.13	0.13	0.11
	2. Fertilizer	30.58	26.37	0.44	0.37
	3. Chemical	15.92	11.86	0.23	0.17
	4. Hail/Crop Insurance Premium	9.18	9.88	0.13	0.14
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	8.69	6.64	0.13	0.09
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	9.62	7.35	0.14	0.10
	9. Repairs - Buildings	0.99	1.48	0.01	0.02
	10. Utilities and Miscellaneous	10.58	9.93	0.15	0.14
	11. Custom Work	7.26	5.35	0.11	0.07
	12. Operating Interest Paid	2.19	0.50	0.03	0.01
	13. Paid Labour	0.58	0.74	0.01	0.01
	14. Unpaid Labour	10.27	6.97	0.15	0.10
	Variable Costs	115.16	95.20	1.67	1.32
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	6.05	5.18	0.09	0.07
	3. Equipment and Building: a) Depreciation	26.39	27.66	0.38	0.38
	b) Lease Payments	2.99	1.69	0.04	0.02
	4. Paid Capital Interest	12.39	7.64	0.18	0.59
	Capital Costs	47.82	42.17	0.69	1.07
(D)	Cash Costs (B+C-B14-C3a)	126.31	102.73	1.83	1.91
(E)	Total Production Costs (B+C)	162.98	137.36	2.37	2.39
	Gross Margin (A-D)	67.90	103.12	0.99	0.95
	Return to Unpaid Labour (A-E+B14)	41.51	75.46	0.60	0.57
	Return to Investment (A-E+C4)	43.62	76.12	0.63	1.06
	Return to Equity (A-E)	31.24	68.49	0.45	0.47

Investment

Buildings	104.41	129.02
Machinery	241.18	244.80
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1266.87	1347.41

Management

Average Yield	(Bushel/acre)	68.86	71.88
Expected Market Price	(\$/Bushel)	2.60	2.79

2004 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	205.68	--	2.63	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	14.31	--	0.18	--
	Gross Receipts	219.99	0.00	2.81	0.00
(B)	Cost Items				
	1. Seed	9.99	--	0.13	--
	2. Fertilizer	29.21	--	0.37	--
	3. Chemical	20.18	--	0.26	--
	4. Hail/Crop Insurance Premium	8.57	--	0.11	--
	5. Trucking and Marketing	0.91	--	0.01	--
	6. Fuel	8.97	--	0.11	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	15.06	--	0.19	--
	9. Repairs - Buildings	0.50	--	0.01	--
	10. Utilities and Miscellaneous	10.51	--	0.13	--
	11. Custom Work	3.78	--	0.05	--
	12. Operating Interest Paid	4.17	--	0.05	--
	13. Paid Labour	2.85	--	0.04	--
	14. Unpaid Labour	8.32	--	0.11	--
	Variable Costs	123.00	0.00	1.57	0.00
(C)	1. Cash/ Share Land Rent	37.95	--	0.49	--
	2. Taxes, Water Rates, License & Ins.	4.76	--	0.06	--
	3. Equipment and Building: a) Depreciation	19.96	--	0.26	--
	b) Lease Payments	6.05	--	0.08	--
	4. Paid Capital Interest	9.55	--	0.12	--
	Capital Costs	78.26	0.00	1.00	0.00
(D)	Cash Costs	172.99	--	2.21	--
(E)	Total Production Costs	201.26	--	2.57	--
	Gross Margin	47.01	--	0.60	--
	Return to Unpaid Labour	27.05	--	0.35	--
	Return to Investment	28.28	--	0.36	--
	Return to Equity	18.73	--	0.24	--

Investment

Buildings	73.96	--
Machinery	189.94	--
Irrigation Machinery	0.00	--
Total (incl. Land)	263.90	--

Management

Average Yield	(Bushel/acre)	78.20	--
Expected Market Price	(\$/Bushel)	2.63	--

2004 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	127.32	159.32	2.27	2.43
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	10.79	2.47	0.19	0.04
Gross Receipts		138.11	161.79	2.46	2.47
(B)	Cost Items				
	1. Seed	5.74	5.23	0.10	0.08
	2. Fertilizer	25.34	18.27	0.45	0.28
	3. Chemical	13.33	11.25	0.24	0.17
	4. Hail/Crop Insurance Premium	4.18	2.45	0.07	0.04
	5. Trucking and Marketing	0.57	0.35	0.01	0.01
	6. Fuel	7.39	5.87	0.13	0.09
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	6.47	6.65	0.12	0.10
	9. Repairs - Buildings	0.62	0.42	0.01	0.01
	10. Utilities and Miscellaneous	5.06	4.08	0.09	0.06
	11. Custom Work	4.45	0.14	0.08	0.00
	12. Operating Interest Paid	1.36	1.12	0.02	0.02
	13. Paid Labour	2.64	2.12	0.05	0.03
	14. Unpaid Labour	7.31	7.85	0.13	0.12
Variable Costs		84.46	65.79	1.50	1.00
(C)	1. Cash/ Share Land Rent	3.16	0.56	0.06	0.01
	2. Taxes, Water Rates, License & Ins.	4.72	5.10	0.08	0.08
	3. Equipment and Building: a) Depreciation	20.09	13.78	0.36	0.21
	b) Lease Payments	0.07	0.00	0.00	0.00
	4. Paid Capital Interest	6.23	4.09	0.11	0.36
Capital Costs		34.26	23.53	0.61	0.66
(D)	Cash Costs	91.32	67.69	1.63	1.33
(E)	Total Production Costs	118.72	89.32	2.11	1.66
	Gross Margin	46.79	94.10	0.83	1.14
	Return to Unpaid Labour	26.70	80.32	0.48	0.93
	Return to Investment	25.62	76.56	0.46	1.17
	Return to Equity	19.39	72.48	0.35	0.81

Investment

Buildings	76.64	71.61
Machinery	178.91	113.77
Irrigation Machinery	0.00	0.00
Total (incl. Land)	958.41	1080.92

Management

Average Yield	(Bushel/acre)	56.16	65.57
Expected Market Price	(\$/Bushel)	2.27	2.43

2004 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	127.12	157.67	2.29	2.44
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	9.11	2.66	0.16	0.04
	Gross Receipts	136.23	160.33	2.45	2.48
(B)	Cost Items				
	1. Seed	5.53	4.54	0.10	0.07
	2. Fertilizer	25.11	17.82	0.45	0.28
	3. Chemical	12.82	11.03	0.23	0.17
	4. Hail/Crop Insurance Premium	3.75	2.51	0.07	0.04
	5. Trucking and Marketing	0.62	0.37	0.01	0.01
	6. Fuel	7.26	5.79	0.13	0.09
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	6.36	6.41	0.11	0.10
	9. Repairs - Buildings	0.57	0.34	0.01	0.01
	10. Utilities and Miscellaneous	4.95	3.83	0.09	0.06
	11. Custom Work	3.93	0.02	0.07	0.00
	12. Operating Interest Paid	1.33	0.76	0.02	0.01
	13. Paid Labour	2.72	1.56	0.05	0.02
	14. Unpaid Labour	7.22	7.59	0.13	0.12
	Variable Costs	82.15	62.57	1.48	0.97
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	4.74	5.00	0.09	0.08
	3. Equipment and Building: a) Depreciation	20.23	13.65	0.36	0.21
	b) Lease Payments	0.08	0.00	0.00	0.00
	4. Paid Capital Interest	6.13	4.26	0.11	0.35
	Capital Costs	31.17	22.91	0.56	0.64
(D)	Cash Costs (B+C-B14-C3a)	85.88	64.25	1.54	1.28
(E)	Total Production Costs (B+C)	113.32	85.49	2.04	1.61
	Gross Margin (A-D)	50.34	96.08	0.91	1.20
	Return to Unpaid Labour (A-E+B14)	30.12	82.43	0.54	0.99
	Return to Investment (A-E+C4)	29.03	79.10	0.52	1.22
	Return to Equity (A-E)	22.90	74.84	0.41	0.87

Investment

Buildings	77.26	72.54
Machinery	180.81	111.93
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1018.26	1093.31

Management

Average Yield	(Bushel/acre)	55.60	64.58
Expected Market Price	(\$/Bushel)	2.29	2.44

2004 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	129.86	--	2.06	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	31.39	--	0.50	--
	Gross Receipts	161.25	0.00	2.55	0.00
(B)	Cost Items				
	1. Seed	8.34	--	0.13	--
	2. Fertilizer	28.13	--	0.45	--
	3. Chemical	19.48	--	0.31	--
	4. Hail/Crop Insurance Premium	9.43	--	0.15	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	9.02	--	0.14	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	7.79	--	0.12	--
	9. Repairs - Buildings	1.24	--	0.02	--
	10. Utilities and Miscellaneous	6.51	--	0.10	--
	11. Custom Work	10.89	--	0.17	--
	12. Operating Interest Paid	1.74	--	0.03	--
	13. Paid Labour	1.71	--	0.03	--
	14. Unpaid Labour	8.49	--	0.13	--
	Variable Costs	112.78	0.00	1.79	0.00
(C)	1. Cash/ Share Land Rent	41.86	--	0.66	--
	2. Taxes, Water Rates, License & Ins.	4.43	--	0.07	--
	3. Equipment and Building: a) Depreciation	18.43	--	0.29	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	7.41	--	0.12	--
	Capital Costs	72.13	0.00	1.14	0.00
(D)	Cash Costs (B+C-B14-C3a)	157.99	--	2.50	--
(E)	Total Production Costs (B+C)	184.92	--	2.93	--
	Gross Margin (A-D)	3.26	--	0.05	--
	Return to Unpaid Labour (A-E+B14)	(15.18)	--	(0.24)	--
	Return to Investment (A-E+C4)	(16.26)	--	(0.26)	--
	Return to Equity (A-E)	(23.67)	--	(0.37)	--

Investment

Buildings	69.03	--
Machinery	155.63	--
Irrigation Machinery	0.00	--
Total (incl. Land)	224.65	--

Management

Average Yield	(Bushel/acre)	63.11	--
Expected Market Price	(\$/Bushel)	2.06	--

2004 Crop Enterprise Analysis

Crop: Oats - All
Soil Zone: Dark Brown - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	86.83	139.50	1.59	1.73
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	25.97	26.31	0.48	0.33
	Gross Receipts	112.80	165.81	2.06	2.05
(B) Cost Items					
	1. Seed	8.55	9.63	0.16	0.12
	2. Fertilizer	44.12	20.71	0.81	0.26
	3. Chemical	8.38	12.49	0.15	0.15
	4. Hail/Crop Insurance Premium	7.17	10.82	0.13	0.13
	5. Trucking and Marketing	0.47	0.74	0.01	0.01
	6. Fuel	3.42	5.53	0.06	0.07
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	9.15	6.82	0.17	0.08
	9. Repairs - Buildings	0.13	0.18	0.00	0.00
	10. Utilities and Miscellaneous	4.94	6.44	0.09	0.08
	11. Custom Work	13.14	12.39	0.24	0.15
	12. Operating Interest Paid	3.20	1.95	0.06	0.02
	13. Paid Labour	2.66	2.52	0.05	0.03
	14. Unpaid Labour	5.33	4.27	0.10	0.05
	Variable Costs	110.67	94.49	2.02	1.17
(C)	1. Cash/ Share Land Rent	2.65	0.00	0.05	0.00
	2. Taxes, Water Rates, License & Ins.	5.22	6.23	0.10	0.08
	3. Equipment and Building: a) Depreciation	17.17	16.20	0.31	0.20
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	19.49	14.91	0.36	0.46	
	Capital Costs	44.54	37.35	0.81	0.74
(D)	Cash Costs (B+C-B14-C3a)	132.70	111.36	2.43	1.66
(E)	Total Production Costs (B+C)	155.21	131.84	2.84	1.91
	Gross Margin (A-D)	(19.91)	54.44	(0.36)	0.40
	Return to Unpaid Labour (A-E+B14)	(37.08)	38.24	(0.68)	0.20
	Return to Investment (A-E+C4)	(22.92)	48.88	(0.42)	0.61
	Return to Equity (A-E)	(42.41)	33.96	(0.78)	0.14

Investment

Buildings	78.68	58.12
Machinery	145.67	144.15
Irrigation Machinery	0.00	0.00
Total (incl. Land)	884.54	800.39

Management

Average Yield (Bushel/acre)	54.67	80.72
Expected Market Price (\$/Bushel)	1.59	1.73

2004 Crop Enterprise Analysis

AgriProfit\$

Crop: *Pedigreed Wheat - All*
 Soil Zone: *Dark Brown - Dryland*
 Unit: *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	447.37	--	6.88	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	0.11	--	0.00	--
	Gross Receipts	447.48	0.00	6.88	0.00
(B)	Cost Items				
	1. Seed	17.78	--	0.27	--
	2. Fertilizer	19.52	--	0.30	--
	3. Chemical	26.41	--	0.41	--
	4. Hail/Crop Insurance Premium	6.00	--	0.09	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	9.65	--	0.15	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	10.65	--	0.16	--
	9. Repairs - Buildings	3.72	--	0.06	--
	10. Utilities and Miscellaneous	5.75	--	0.09	--
	11. Custom Work	5.81	--	0.09	--
	12. Operating Interest Paid	0.17	--	0.00	--
	13. Paid Labour	3.86	--	0.06	--
	14. Unpaid Labour	11.03	--	0.17	--
	Variable Costs	120.35	0.00	1.85	0.00
(C)	1. Cash/ Share Land Rent	27.13	--	0.42	--
	2. Taxes, Water Rates, License & Ins.	4.38	--	0.07	--
	3. Equipment and Building: a) Depreciation	14.81	--	0.23	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	8.01	--	0.12	--
	Capital Costs	54.34	0.00	0.84	0.00
(D)	Cash Costs	148.85	--	2.29	--
(E)	Total Production Costs	174.69	--	2.69	--
	Gross Margin	298.63	--	4.59	--
	Return to Unpaid Labour	283.82	--	4.37	--
	Return to Investment	280.81	--	4.32	--
	Return to Equity	272.79	--	4.20	--

Investment

Buildings	55.53	--
Machinery	129.60	--
Irrigation Machinery	0.00	--
Total (incl. Land)	353.55	--

Management

Average Yield	(Bushel/acre)	65.00	--
Expected Market Price	(\$/Bushel)	6.88	--

2004 Crop Enterprise Analysis

Crop: Argentine Canola - All
Soil Zone: Dark Brown - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	203.52	--	6.58	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	1.88	--	0.06	--
	Gross Receipts	205.40	0.00	6.64	0.00
(B)	Cost Items				
	1. Seed	10.43	--	0.34	--
	2. Fertilizer	28.70	--	0.93	--
	3. Chemical	16.78	--	0.54	--
	4. Hail/Crop Insurance Premium	2.45	--	0.08	--
	5. Trucking and Marketing	1.41	--	0.05	--
	6. Fuel	12.64	--	0.41	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	9.98	--	0.32	--
	9. Repairs - Buildings	1.40	--	0.05	--
	10. Utilities and Miscellaneous	8.30	--	0.27	--
	11. Custom Work	2.36	--	0.08	--
	12. Operating Interest Paid	0.00	--	0.00	--
	13. Paid Labour	0.00	--	0.00	--
	14. Unpaid Labour	10.62	--	0.34	--
	Variable Costs	105.09	0.00	3.40	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	5.26	--	0.17	--
	3. Equipment and Building: a) Depreciation	87.32	--	2.82	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	1.65	--	0.05	--	
	Capital Costs	94.22	0.00	3.05	0.00
(D)	Cash Costs	101.37	--	3.28	--
(E)	Total Production Costs	199.31	--	6.45	--
	Gross Margin	104.03	--	3.36	--
	Return to Unpaid Labour	16.71	--	0.54	--
	Return to Investment	7.74	--	0.25	--
	Return to Equity	6.09	--	0.20	--

Investment

Buildings	158.94	--
Machinery	883.89	--
Irrigation Machinery	0.00	--
Total (incl. Land)	2069.61	--

Management

Average Yield	(Bushel/acre)	30.92	--
Expected Market Price	(\$/Bushel)	6.58	--

2004 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	286.00	--	7.25	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	2.37	--	0.06	--	
	Gross Receipts	288.37	0.00	7.31	0.00	
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(B)	Cost Items					
	1. Seed	28.12	--	0.71	--	
	2. Fertilizer	41.33	--	1.05	--	
	3. Chemical	20.55	--	0.52	--	
	4. Hail/Crop Insurance Premium	12.84	--	0.33	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	10.45	--	0.27	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	9.47	--	0.24	--	
	9. Repairs - Buildings	0.44	--	0.01	--	
	10. Utilities and Miscellaneous	8.66	--	0.22	--	
	11. Custom Work	14.83	--	0.38	--	
	12. Operating Interest Paid	3.19	--	0.08	--	
	13. Paid Labour	1.20	--	0.03	--	
	14. Unpaid Labour	11.67	--	0.30	--	
Variable Costs	162.75	0.00	4.13	0.00		
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(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	7.69	--	0.20	--	
	3. Equipment and Building:	a) Depreciation	27.46	--	0.70	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	13.00	--	0.33	--	
Capital Costs	48.15	0.00	1.22	0.00		
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(D)	Cash Costs	171.77	--	4.36	--	
(E)	Total Production Costs	210.90	--	5.35	--	
	Gross Margin	116.60	--	2.96	--	
	Return to Unpaid Labour	89.14	--	2.26	--	
	Return to Investment	90.47	--	2.29	--	
	Return to Equity	77.47	--	1.96	--	

Investment

Buildings	70.97	--
Machinery	261.13	--
Irrigation Machinery	0.00	--
Total (incl. Land)	957.10	--

Management

Average Yield	(Bushel/acre)	39.44	--
Expected Market Price	(\$/Bushel)	7.25	--

2004 Crop Enterprise Analysis

Crop: Roundup Ready Canola - All
Soil Zone: Dark Brown - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	205.70	230.33	7.07	7.04
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	9.53	8.13	0.33	0.25
	Gross Receipts	215.24	238.46	7.40	7.29
(B)	Cost Items				
	1. Seed	24.93	23.89	0.86	0.73
	2. Fertilizer	29.29	29.77	1.01	0.91
	3. Chemical	25.41	21.36	0.87	0.65
	4. Hail/Crop Insurance Premium	13.98	8.24	0.48	0.25
	5. Trucking and Marketing	1.00	0.00	0.03	0.00
	6. Fuel	8.94	8.77	0.31	0.27
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	14.12	6.75	0.49	0.21
	9. Repairs - Buildings	0.46	0.39	0.02	0.01
	10. Utilities and Miscellaneous	9.74	4.98	0.33	0.15
	11. Custom Work	5.29	13.64	0.18	0.42
	12. Operating Interest Paid	3.36	2.10	0.12	0.06
	13. Paid Labour	3.19	1.48	0.11	0.05
	14. Unpaid Labour	7.14	7.95	0.25	0.24
	Variable Costs	146.86	129.32	5.05	3.95
(C)	1. Cash/ Share Land Rent	5.47	0.00	0.19	0.00
	2. Taxes, Water Rates, License & Ins.	8.85	6.15	0.30	0.19
	3. Equipment and Building:				
	a) Depreciation	19.04	17.39	0.65	0.53
b) Lease Payments	3.70	0.00	0.13	0.00	
4. Paid Capital Interest	9.99	11.00	0.34	1.06	
	Capital Costs	47.05	34.55	1.62	1.78
(D)	Cash Costs				
		(B+C-B14-C3a)	167.73	138.53	5.76
(E)	Total Production Costs				
		(B+C)	193.92	163.87	6.66
	Gross Margin	(A-D)	47.50	99.94	1.63
	Return to Unpaid Labour	(A-E+B14)	28.46	82.54	0.98
	Return to Investment	(A-E+C4)	31.31	85.60	1.08
	Return to Equity	(A-E)	21.32	74.60	0.73

Investment

Buildings	71.67	62.12
Machinery	174.07	146.78
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1112.37	727.84

Management

Average Yield	(Bushel/acre)	29.10	32.73
Expected Market Price	(\$/Bushel)	7.07	7.04

2004 Crop Enterprise Analysis

Crop: Roundup Ready Canola - Own
Soil Zone: Dark Brown - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	203.86	--	7.12	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	9.47	--	0.33	--
	Gross Receipts	213.33	0.00	7.45	0.00
(B)	Cost Items				
	1. Seed	25.42	--	0.89	--
	2. Fertilizer	27.65	--	0.97	--
	3. Chemical	25.74	--	0.90	--
	4. Hail/Crop Insurance Premium	14.93	--	0.52	--
	5. Trucking and Marketing	1.13	--	0.04	--
	6. Fuel	9.16	--	0.32	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	13.98	--	0.49	--
	9. Repairs - Buildings	0.46	--	0.02	--
	10. Utilities and Miscellaneous	8.98	--	0.31	--
	11. Custom Work	4.82	--	0.17	--
	12. Operating Interest Paid	3.18	--	0.11	--
	13. Paid Labour	3.59	--	0.13	--
	14. Unpaid Labour	6.48	--	0.23	--
	Variable Costs	145.52	0.00	5.08	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	9.51	--	0.33	--
	3. Equipment and Building: a) Depreciation	19.21	--	0.67	--
	b) Lease Payments	2.13	--	0.07	--
	4. Paid Capital Interest	9.97	--	0.35	--
	Capital Costs	40.83	0.00	1.43	0.00
(D)	Cash Costs (B+C-B14-C3a)	160.66	--	5.61	--
(E)	Total Production Costs (B+C)	186.35	--	6.51	--
	Gross Margin (A-D)	52.67	--	1.84	--
	Return to Unpaid Labour (A-E+B14)	33.46	--	1.17	--
	Return to Investment (A-E+C4)	36.96	--	1.29	--
	Return to Equity (A-E)	26.99	--	0.94	--

Investment

Buildings	69.09	--
Machinery	174.38	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1219.59	--

Management

Average Yield	(Bushel/acre)	28.62	--
Expected Market Price	(\$/Bushel)	7.12	--

2004 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	176.41	212.97	3.97	4.20	
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00	
	3. Other Receipts	5.77	1.03	0.13	0.02	
	Gross Receipts	182.18	214.00	4.10	4.22	
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(B)	Cost Items					
	1. Seed	15.60	14.57	0.35	0.29	
	2. Fertilizer	6.41	12.39	0.14	0.24	
	3. Chemical	23.26	18.27	0.52	0.36	
	4. Hail/Crop Insurance Premium	8.42	3.91	0.19	0.08	
	5. Trucking and Marketing	1.35	0.00	0.03	0.00	
	6. Fuel	8.99	9.24	0.20	0.18	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	9.28	8.72	0.21	0.17	
	9. Repairs - Buildings	0.84	1.88	0.02	0.04	
	10. Utilities and Miscellaneous	8.25	3.73	0.19	0.07	
	11. Custom Work	2.79	2.70	0.06	0.05	
	12. Operating Interest Paid	1.63	0.08	0.04	0.00	
	13. Paid Labour	2.71	1.79	0.06	0.04	
	14. Unpaid Labour	7.53	10.03	0.17	0.20	
	Variable Costs	97.06	87.31	2.18	1.72	
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(C)	1. Cash/ Share Land Rent	13.14	10.45	0.30	0.21	
	2. Taxes, Water Rates, License & Ins.	5.39	5.69	0.12	0.11	
	3. Equipment and Building:	a) Depreciation	17.83	14.29	0.40	0.28
		b) Lease Payments	0.59	0.00	0.01	0.00
	4. Paid Capital Interest	9.98	7.25	0.22	0.74	
	Capital Costs	46.93	37.69	1.06	1.34	
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(D)	Cash Costs	118.62	100.68	2.67	2.59	
(E)	Total Production Costs	143.99	124.99	3.24	3.07	
	Gross Margin	63.56	113.33	1.43	1.64	
	Return to Unpaid Labour	45.73	99.03	1.03	1.35	
	Return to Investment	48.18	96.26	1.08	1.90	
	Return to Equity	38.20	89.01	0.86	1.16	

Investment

Buildings	63.41	68.96
Machinery	160.95	120.02
Irrigation Machinery	0.00	0.00
Total (incl. Land)	688.56	867.56

Management

Average Yield	(Bushel/acre)	44.46	50.69
Expected Market Price	(\$/Bushel)	3.97	4.20

2004 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	151.20	198.36	3.99	4.30	
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00	
	3. Other Receipts	3.98	2.49	0.11	0.05	
	Gross Receipts	155.18	200.85	4.10	4.35	
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(B)	Cost Items					
	1. Seed	15.86	13.68	0.42	0.30	
	2. Fertilizer	8.76	17.50	0.23	0.38	
	3. Chemical	21.23	19.50	0.56	0.42	
	4. Hail/Crop Insurance Premium	8.24	7.29	0.22	0.16	
	5. Trucking and Marketing	1.16	0.00	0.03	0.00	
	6. Fuel	7.56	8.16	0.20	0.18	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	4.92	7.41	0.13	0.16	
	9. Repairs - Buildings	0.83	1.31	0.02	0.03	
	10. Utilities and Miscellaneous	7.80	5.17	0.21	0.11	
	11. Custom Work	3.58	2.96	0.09	0.06	
	12. Operating Interest Paid	0.61	0.03	0.02	0.00	
	13. Paid Labour	1.28	0.91	0.03	0.02	
	14. Unpaid Labour	8.13	8.46	0.21	0.18	
	Variable Costs	89.97	92.36	2.38	2.00	
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(C)	1. Cash/ Share Land Rent	1.19	2.94	0.03	0.06	
	2. Taxes, Water Rates, License & Ins.	5.28	6.16	0.14	0.13	
	3. Equipment and Building:	a) Depreciation	18.46	19.31	0.49	0.42
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	10.76	7.83	0.28	0.79	
	Capital Costs	35.70	36.24	0.94	1.40	
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(D)	Cash Costs	99.08	100.84	2.62	2.80	
(E)	Total Production Costs	125.67	128.61	3.32	3.40	
	Gross Margin	56.10	100.01	1.48	1.55	
	Return to Unpaid Labour	37.64	80.70	0.99	1.13	
	Return to Investment	40.27	80.07	1.06	1.74	
	Return to Equity	29.51	72.24	0.78	0.95	

Investment

Buildings	70.27	95.27
Machinery	163.89	164.86
Irrigation Machinery	0.00	0.00
Total (incl. Land)	931.53	1217.40

Management

Average Yield	(Bushel/acre)	37.86	46.13
Expected Market Price	(\$/Bushel)	3.99	4.30

2004 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	226.62	--	3.94	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	9.32	--	0.16	--	
	Gross Receipts	235.94	0.00	4.10	0.00	
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(B)	Cost Items					
	1. Seed	15.08	--	0.26	--	
	2. Fertilizer	1.73	--	0.03	--	
	3. Chemical	27.29	--	0.47	--	
	4. Hail/Crop Insurance Premium	8.77	--	0.15	--	
	5. Trucking and Marketing	1.73	--	0.03	--	
	6. Fuel	11.83	--	0.21	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	17.98	--	0.31	--	
	9. Repairs - Buildings	0.86	--	0.01	--	
	10. Utilities and Miscellaneous	9.15	--	0.16	--	
	11. Custom Work	1.21	--	0.02	--	
	12. Operating Interest Paid	3.65	--	0.06	--	
	13. Paid Labour	5.55	--	0.10	--	
	14. Unpaid Labour	6.33	--	0.11	--	
Variable Costs	111.17	0.00	1.93	0.00		
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(C)	1. Cash/ Share Land Rent	36.91	--	0.64	--	
	2. Taxes, Water Rates, License & Ins.	5.59	--	0.10	--	
	3. Equipment and Building:	a) Depreciation	16.59	--	0.29	--
		b) Lease Payments	1.76	--	0.03	--
	4. Paid Capital Interest	8.42	--	0.15	--	
Capital Costs	69.28	0.00	1.20	0.00		
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(D)	Cash Costs	157.53	--	2.74	--	
(E)	Total Production Costs	180.45	--	3.13	--	
	Gross Margin	78.42	--	1.36	--	
	Return to Unpaid Labour	61.82	--	1.07	--	
	Return to Investment	63.91	--	1.11	--	
	Return to Equity	55.49	--	0.96	--	

Investment

Buildings	49.76	--
Machinery	155.08	--
Irrigation Machinery	0.00	--
Total (incl. Land)	204.84	--

Management

Average Yield	(Bushel/acre)	57.59	--
Expected Market Price	(\$/Bushel)	3.94	--

2004 Crop Enterprise Analysis

Crop: *Oriental Mustard - All*
Soil Zone: *Dark Brown - Dryland*
Unit: *Pound*

		-----\$/Acre-----		-----\$/Pound-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	127.66	--	0.19	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	4.68	--	0.01	--
	Gross Receipts	132.34	0.00	0.19	0.00
(B) Cost Items					
	1. Seed	4.25	--	0.01	--
	2. Fertilizer	13.48	--	0.02	--
	3. Chemical	26.01	--	0.04	--
	4. Hail/Crop Insurance Premium	12.78	--	0.02	--
	5. Trucking and Marketing	1.48	--	0.00	--
	6. Fuel	3.30	--	0.00	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	1.45	--	0.00	--
	9. Repairs - Buildings	0.56	--	0.00	--
	10. Utilities and Miscellaneous	6.80	--	0.01	--
	11. Custom Work	1.61	--	0.00	--
	12. Operating Interest Paid	0.00	--	0.00	--
	13. Paid Labour	1.96	--	0.00	--
	14. Unpaid Labour	1.56	--	0.00	--
	Variable Costs	75.23	0.00	0.11	0.00
(C)	1. Cash/ Share Land Rent	6.91	--	0.01	--
	2. Taxes, Water Rates, License & Ins.	2.10	--	0.00	--
	3. Equipment and Building: a) Depreciation	14.26	--	0.02	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	5.39	--	0.01	--	
	Capital Costs	28.67	0.00	0.04	0.00
(D)	Cash Costs (B+C-B14-C3a)	88.08	--	0.13	--
(E)	Total Production Costs (B+C)	103.90	--	0.15	--
	Gross Margin (A-D)	44.26	--	0.06	--
	Return to Unpaid Labour (A-E+B14)	30.00	--	0.04	--
	Return to Investment (A-E+C4)	33.83	--	0.05	--
	Return to Equity (A-E)	28.44	--	0.04	--

Investment

Buildings	49.14	--
Machinery	130.29	--
Irrigation Machinery	0.00	--
Total (incl. Land)	539.13	--

Management

Average Yield (Pound/acre)	690.07	--
Expected Market Price (\$/Pound)	0.19	--

2004 Crop Enterprise Analysis

Crop: Yellow Mustard - All
Soil Zone: Dark Brown - Dryland
Unit: Pound

		-----\$/Acre-----		-----\$/Pound-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	223.83	--	0.21	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	16.55	--	0.02	--
	Gross Receipts	240.39	0.00	0.23	0.00
(B)	Cost Items				
	1. Seed	6.99	--	0.01	--
	2. Fertilizer	25.17	--	0.02	--
	3. Chemical	14.79	--	0.01	--
	4. Hail/Crop Insurance Premium	8.36	--	0.01	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	8.79	--	0.01	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	5.33	--	0.01	--
	9. Repairs - Buildings	1.47	--	0.00	--
	10. Utilities and Miscellaneous	3.30	--	0.00	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	1.42	--	0.00	--
	13. Paid Labour	0.00	--	0.00	--
	14. Unpaid Labour	9.72	--	0.01	--
	Variable Costs	85.34	0.00	0.08	0.00
(C)	1. Cash/ Share Land Rent	41.62	--	0.04	--
	2. Taxes, Water Rates, License & Ins.	2.17	--	0.00	--
	3. Equipment and Building: a) Depreciation	26.89	--	0.03	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	6.39	--	0.01	--	
	Capital Costs	77.07	0.00	0.07	0.00
(D)	Cash Costs (B+C-B14-C3a)	125.81	--	0.12	--
(E)	Total Production Costs (B+C)	162.41	--	0.15	--
	Gross Margin (A-D)	114.58	--	0.11	--
	Return to Unpaid Labour (A-E+B14)	87.69	--	0.08	--
	Return to Investment (A-E+C4)	84.36	--	0.08	--
	Return to Equity (A-E)	77.97	--	0.07	--

Investment

Buildings	101.59	--
Machinery	251.41	--
Irrigation Machinery	0.00	--
Total (incl. Land)	836.49	--

Management

Average Yield (Pound/acre)	1065.87	--
Expected Market Price (\$/Pound)	0.21	--

2004 Crop Enterprise Analysis

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

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	65.07	121.66	64.83	60.09
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	13.05	26.06	13.00	12.87
	Gross Receipts	78.12	147.72	77.83	72.96
(B)	Cost Items				
	1. Seed	0.32	1.45	0.32	0.72
	2. Fertilizer	8.07	4.04	8.04	2.00
	3. Chemical	0.00	0.00	0.00	0.00
	4. Hail/Crop Insurance Premium	2.69	5.16	2.68	2.55
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	4.44	2.47	4.42	1.22
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	6.98	4.51	6.95	2.23
	9. Repairs - Buildings	2.95	0.49	2.94	0.24
	10. Utilities and Miscellaneous	9.33	6.45	9.29	3.19
	11. Custom Work	0.88	1.43	0.88	0.70
	12. Operating Interest Paid	2.38	0.82	2.37	0.41
	13. Paid Labour	5.88	0.03	5.86	0.02
	14. Unpaid Labour	10.76	8.56	10.72	4.23
	Variable Costs	54.67	35.42	54.47	17.49
(C)	1. Cash/ Share Land Rent	10.43	10.78	10.39	5.32
	2. Taxes, Water Rates, License & Ins.	4.40	4.46	4.38	2.20
	3. Equipment and Building: a) Depreciation	22.47	15.89	22.38	7.85
	b) Lease Payments	0.21	0.00	0.20	0.00
4. Paid Capital Interest	4.73	9.57	4.71	20.10	
	Capital Costs	42.22	40.70	42.07	35.48
(D)	Cash Costs				
(E)	Total Production Costs	96.89	76.12	96.54	52.97
	Gross Margin	14.45	96.05	14.40	32.06
	Return to Unpaid Labour	(8.02)	80.16	(7.99)	24.21
	Return to Investment	(14.05)	81.16	(14.00)	40.09
	Return to Equity	(18.77)	71.60	(18.71)	19.98

Investment

Buildings	43.11	48.64
Machinery	209.79	137.73
Irrigation Machinery	0.00	0.00
Total (incl. Land)	783.33	1374.28

Management

Average Yield	(Tonne/acre)	1.00	2.02
Expected Market Price	(\$/Tonne)	64.83	60.09

2004 Crop Enterprise Analysis

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

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	68.67	108.25	61.92	54.86
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	14.98	24.60	13.51	12.47
Gross Receipts		83.65	132.84	75.42	67.33
(B)	Cost Items				
	1. Seed	0.52	1.83	0.47	0.93
	2. Fertilizer	5.63	5.07	5.08	2.57
	3. Chemical	0.00	0.00	0.00	0.00
	4. Hail/Crop Insurance Premium	3.64	5.03	3.28	2.55
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	3.62	2.78	3.27	1.41
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	6.07	4.84	5.47	2.45
	9. Repairs - Buildings	1.18	0.42	1.07	0.21
	10. Utilities and Miscellaneous	8.29	6.38	7.48	3.23
	11. Custom Work	0.70	0.72	0.63	0.37
	12. Operating Interest Paid	0.52	0.65	0.47	0.33
	13. Paid Labour	5.85	0.02	5.27	0.01
	14. Unpaid Labour	9.73	8.39	8.78	4.25
Variable Costs		45.77	36.12	41.27	18.31
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	4.17	4.10	3.76	2.08
	3. Equipment and Building: a) Depreciation	21.87	17.49	19.72	8.87
	b) Lease Payments	0.11	0.00	0.10	0.00
	4. Paid Capital Interest	7.02	10.58	6.33	16.31
Capital Costs		33.18	32.18	29.91	27.25
(D)	Cash Costs (B+C-B14-C3a)	47.34	42.41	42.68	32.44
(E)	Total Production Costs (B+C)	78.94	68.30	71.18	45.56
	Gross Margin (A-D)	36.31	90.43	32.74	34.89
	Return to Unpaid Labour (A-E+B14)	14.44	72.94	13.02	26.02
	Return to Investment (A-E+C4)	11.73	75.12	10.58	38.08
	Return to Equity (A-E)	4.71	64.54	4.24	21.77

Investment

Buildings	49.93	54.05
Machinery	193.88	149.27
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1124.09	1694.03

Management

Average Yield (Tonne/acre)	1.11	1.97
Expected Market Price (\$/Tonne)	61.92	54.86

2004 Crop Enterprise Analysis

Crop: *Alfalfa/Grass Hay - Rent*
Soil Zone: *Dark Brown - Dryland*
Unit: *Tonne*

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	59.60	--	70.62	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	10.13	--	12.00	--
	Gross Receipts	69.72	0.00	82.62	0.00
(B)	Cost Items				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	11.77	--	13.95	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	1.24	--	1.47	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	5.68	--	6.73	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	8.35	--	9.90	--
	9. Repairs - Buildings	5.63	--	6.67	--
	10. Utilities and Miscellaneous	10.90	--	12.92	--
	11. Custom Work	1.15	--	1.36	--
	12. Operating Interest Paid	5.20	--	6.16	--
	13. Paid Labour	5.93	--	7.03	--
	14. Unpaid Labour	12.31	--	14.59	--
	Variable Costs	68.17	0.00	80.78	0.00
(C)	1. Cash/ Share Land Rent	26.24	--	31.09	--
	2. Taxes, Water Rates, License & Ins.	4.75	--	5.62	--
	3. Equipment and Building: a) Depreciation	23.37	--	27.69	--
	b) Lease Payments	0.34	--	0.41	--
4. Paid Capital Interest	1.24	--	1.47	--	
	Capital Costs	55.94	0.00	66.29	0.00
(D)	Cash Costs	88.43	--	104.79	--
(E)	Total Production Costs	124.10	--	147.06	--
	Gross Margin	(18.70)	--	(22.16)	--
	Return to Unpaid Labour	(42.07)	--	(49.85)	--
	Return to Investment	(53.14)	--	(62.97)	--
	Return to Equity	(54.38)	--	(64.44)	--

Investment

Buildings	32.76	--
Machinery	233.91	--
Irrigation Machinery	0.00	--
Total (incl. Land)	266.66	--

Management

Average Yield	(Tonne/acre)	0.84	--
Expected Market Price	(\$/Tonne)	70.62	--

2004 Crop Enterprise Analysis

Crop: *Greenfeed - All*
 Soil Zone: *Dark Brown - Dryland*
 Unit: *Tonne*

		-----\$/Acre-----		-----\$/Tonne-----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	87.88	104.77	44.10	50.03	
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00	
	3. Other Receipts	4.68	5.94	2.35	2.84	
	Gross Receipts	92.56	110.71	46.44	52.87	
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(B)	Cost Items					
	1. Seed	7.49	5.62	3.76	2.68	
	2. Fertilizer	26.68	14.56	13.39	6.95	
	3. Chemical	8.36	7.59	4.19	3.63	
	4. Hail/Crop Insurance Premium	7.64	6.77	3.83	3.23	
	5. Trucking and Marketing	0.00	0.00	0.00	0.00	
	6. Fuel	8.98	7.28	4.51	3.48	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	5.96	1.85	2.99	0.88	
	9. Repairs - Buildings	0.40	0.02	0.20	0.01	
	10. Utilities and Miscellaneous	12.41	12.61	6.23	6.02	
	11. Custom Work	4.32	0.14	2.17	0.07	
	12. Operating Interest Paid	0.17	0.07	0.09	0.03	
	13. Paid Labour	1.51	1.26	0.76	0.60	
	14. Unpaid Labour	10.56	4.14	5.30	1.98	
	Variable Costs	94.47	61.92	47.41	29.57	
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(C)	1. Cash/ Share Land Rent	4.02	16.30	2.01	7.78	
	2. Taxes, Water Rates, License & Ins.	7.22	1.87	3.62	0.89	
	3. Equipment and Building:	a) Depreciation	26.52	14.53	13.31	6.94
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	7.60	2.83	3.81	16.96	
	Capital Costs	45.36	35.52	22.76	32.57	
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(D)	Cash Costs	(B+C-B14-C3a)	102.75	78.77	51.56	53.23
(E)	Total Production Costs	(B+C)	139.83	97.43	70.17	62.14
	Gross Margin	(A-D)	(10.19)	31.94	(5.12)	(0.36)
	Return to Unpaid Labour	(A-E+B14)	(36.72)	17.41	(18.42)	(7.30)
	Return to Investment	(A-E+C4)	(39.68)	16.10	(19.91)	7.69
	Return to Equity	(A-E)	(47.28)	13.27	(23.72)	(9.27)

Investment

Buildings	50.98	33.78
Machinery	230.28	124.20
Irrigation Machinery	0.00	0.00
Total (incl. Land)	877.53	365.23

Management

Average Yield	(Tonne/acre)	1.99	2.09
Expected Market Price	(\$/Tonne)	44.10	50.03

2004 Crop Enterprise Analysis

AgriProfit\$

Crop: **Greenfeed - Own**
 Soil Zone: **Dark Brown - Dryland**
 Unit: **Tonne**

		-----\$/Acre-----		-----\$/Tonne-----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	88.93	--	44.10	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	4.25	--	2.11	--	
	Gross Receipts	93.18	0.00	46.20	0.00	
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(B)	Cost Items					
	1. Seed	7.99	--	3.96	--	
	2. Fertilizer	30.30	--	15.02	--	
	3. Chemical	8.70	--	4.31	--	
	4. Hail/Crop Insurance Premium	8.04	--	3.99	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	9.56	--	4.74	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	7.25	--	3.60	--	
	9. Repairs - Buildings	0.51	--	0.25	--	
	10. Utilities and Miscellaneous	12.41	--	6.15	--	
	11. Custom Work	5.40	--	2.68	--	
	12. Operating Interest Paid	0.21	--	0.11	--	
	13. Paid Labour	1.50	--	0.74	--	
	14. Unpaid Labour	12.67	--	6.28	--	
Variable Costs	104.54	0.00	51.84	0.00		
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(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	8.75	--	4.34	--	
	3. Equipment and Building:	a) Depreciation	29.86	--	14.81	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	8.85	--	4.39	--	
Capital Costs	47.47	0.00	23.54	0.00		
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(D)	Cash Costs	109.47	--	54.28	--	
(E)	Total Production Costs	152.01	--	75.37	--	
	Gross Margin	(16.29)	--	(8.08)	--	
	Return to Unpaid Labour	(46.15)	--	(22.89)	--	
	Return to Investment	(49.97)	--	(24.78)	--	
	Return to Equity	(58.83)	--	(29.17)	--	

Investment

Buildings	57.11	--
Machinery	259.47	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1062.64	--

Management

Average Yield	(Tonne/acre)	2.02	--
Expected Market Price	(\$/Tonne)	44.10	--

2004 Crop Enterprise Analysis

Crop: Grain Silage - All
Soil Zone: Dark Brown - Dryland
Unit: Tonne

		-----\$/Acre-----		----\$/Tonne----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	242.77	300.77	32.98	35.35
	2. Crop Insurance Receipts	0.90	0.00	0.12	0.00
	3. Other Receipts	8.05	0.00	1.09	0.00
	Gross Receipts	251.72	300.77	34.20	35.35
(B) Cost Items					
	1. Seed	8.61	9.52	1.17	1.12
	2. Fertilizer	23.75	30.18	3.23	3.55
	3. Chemical	11.15	9.26	1.52	1.09
	4. Hail/Crop Insurance Premium	3.20	2.20	0.43	0.26
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	12.29	5.89	1.67	0.69
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	6.32	2.59	0.86	0.30
	9. Repairs - Buildings	4.64	0.73	0.63	0.09
	10. Utilities and Miscellaneous	5.97	4.09	0.81	0.48
	11. Custom Work	32.69	31.46	4.44	3.70
	12. Operating Interest Paid	3.07	0.62	0.42	0.07
	13. Paid Labour	8.73	4.22	1.19	0.50
	14. Unpaid Labour	14.50	9.24	1.97	1.09
	Variable Costs	134.92	109.99	18.33	12.93
(C)	1. Cash/ Share Land Rent	11.04	0.00	1.50	0.00
	2. Taxes, Water Rates, License & Ins.	4.71	5.68	0.64	0.67
	3. Equipment and Building: a) Depreciation	22.82	39.73	3.10	4.67
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	30.47	0.23	4.14	5.36	
	Capital Costs	69.04	45.64	9.38	10.70
(D)	Cash Costs (B+C-B14-C3a)	166.64	106.66	22.64	17.87
(E)	Total Production Costs (B+C)	203.96	155.64	27.71	23.63
	Gross Margin (A-D)	85.08	194.11	11.56	17.48
	Return to Unpaid Labour (A-E+B14)	62.27	154.37	8.46	12.81
	Return to Investment (A-E+C4)	78.24	145.36	10.63	17.09
	Return to Equity (A-E)	47.77	145.13	6.49	11.72

Investment

Buildings	35.91	82.90
Machinery	222.12	375.54
Irrigation Machinery	0.00	0.00
Total (incl. Land)	858.82	1084.73

Management

Average Yield (Tonne/acre)	7.36	8.51
Expected Market Price (\$/Tonne)	32.98	35.35

2004 Crop Enterprise Analysis

Crop: Grain Silage - Own
Soil Zone: Dark Brown - Dryland
Unit: Tonne

		-----\$/Acre-----		----\$/Tonne----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	258.93	306.22	34.07	36.69	
	2. Crop Insurance Receipts	1.38	0.00	0.18	0.00	
	3. Other Receipts	11.38	0.00	1.50	0.00	
	Gross Receipts	271.70	306.22	35.75	36.69	
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(B)	Cost Items					
	1. Seed	8.76	10.29	1.15	1.23	
	2. Fertilizer	25.20	30.41	3.32	3.64	
	3. Chemical	10.51	9.59	1.38	1.15	
	4. Hail/Crop Insurance Premium	3.58	1.54	0.47	0.18	
	5. Trucking and Marketing	0.00	0.00	0.00	0.00	
	6. Fuel	11.06	5.95	1.46	0.71	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	6.32	2.43	0.83	0.29	
	9. Repairs - Buildings	4.78	0.54	0.63	0.06	
	10. Utilities and Miscellaneous	5.88	4.03	0.77	0.48	
	11. Custom Work	36.94	21.99	4.86	2.63	
	12. Operating Interest Paid	2.11	0.94	0.28	0.11	
	13. Paid Labour	12.67	6.41	1.67	0.77	
	14. Unpaid Labour	16.77	7.90	2.21	0.95	
	Variable Costs	144.57	102.03	19.02	12.22	
<hr/>						
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00	
	2. Taxes, Water Rates, License & Ins.	5.75	6.11	0.76	0.73	
	3. Equipment and Building:	a) Depreciation	24.66	31.81	3.24	3.81
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	46.22	0.35	6.08	4.59	
	Capital Costs	76.63	38.27	10.08	9.13	
<hr/>						
(D)	Cash Costs	179.77	100.59	23.65	16.59	
(E)	Total Production Costs	221.20	140.30	29.10	21.35	
	Gross Margin	91.93	205.63	12.10	20.09	
	Return to Unpaid Labour	67.27	173.83	8.85	16.28	
	Return to Investment	96.72	166.28	12.73	19.92	
	Return to Equity	50.50	165.92	6.64	15.34	

Investment

Buildings	47.51	63.08
Machinery	232.96	306.78
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1197.24	1108.60

Management

Average Yield	(Tonne/acre)	7.60	8.35
Expected Market Price	(\$/Tonne)	34.07	36.69

2004 Crop Enterprise Analysis

AgriProfit\$

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

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	212.02	--	30.70	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	1.73	--	0.25	--
	Gross Receipts	213.75	0.00	30.95	0.00
(B)	Cost Items				
	1. Seed	8.34	--	1.21	--
	2. Fertilizer	20.98	--	3.04	--
	3. Chemical	12.39	--	1.79	--
	4. Hail/Crop Insurance Premium	2.49	--	0.36	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	14.61	--	2.12	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	6.33	--	0.92	--
	9. Repairs - Buildings	4.39	--	0.64	--
	10. Utilities and Miscellaneous	6.14	--	0.89	--
	11. Custom Work	24.60	--	3.56	--
	12. Operating Interest Paid	4.90	--	0.71	--
	13. Paid Labour	1.23	--	0.18	--
	14. Unpaid Labour	10.17	--	1.47	--
	Variable Costs	116.57	0.00	16.88	0.00
(C)	1. Cash/ Share Land Rent	32.02	--	4.64	--
	2. Taxes, Water Rates, License & Ins.	2.74	--	0.40	--
	3. Equipment and Building: a) Depreciation	19.32	--	2.80	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	0.54	--	0.08	--
	Capital Costs	54.61	0.00	7.91	0.00
(D)	Cash Costs (B+C-B14-C3a)	141.68	--	20.51	--
(E)	Total Production Costs (B+C)	171.17	--	24.78	--
	Gross Margin (A-D)	72.07	--	10.43	--
	Return to Unpaid Labour (A-E+B14)	52.75	--	7.64	--
	Return to Investment (A-E+C4)	43.12	--	6.24	--
	Return to Equity (A-E)	42.58	--	6.16	--

Investment

Buildings	13.86	--
Machinery	201.49	--
Irrigation Machinery	0.00	--
Total (incl. Land)	215.35	--

Management

Average Yield	(Tonne/acre)	6.91	--
Expected Market Price	(\$/Tonne)	30.70	--

2004 Crop Enterprise Analysis

AgriProfit\$

Crop: *Haylage - All*
 Soil Zone: *Dark Brown - Dryland*
 Unit: *Tonne*

		-----\$/Acre-----		-----\$/Tonne-----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	154.22	--	27.56	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	1.17	--	0.21	--
Gross Receipts		155.39	0.00	27.77	0.00
(B)	Cost Items				
	1. Seed	2.17	--	0.39	--
	2. Fertilizer	0.00	--	0.00	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	2.91	--	0.52	--
	5. Trucking and Marketing	0.39	--	0.07	--
	6. Fuel	0.00	--	0.00	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	3.20	--	0.57	--
	9. Repairs - Buildings	0.00	--	0.00	--
	10. Utilities and Miscellaneous	1.85	--	0.33	--
	11. Custom Work	43.05	--	7.69	--
	12. Operating Interest Paid	2.26	--	0.40	--
	13. Paid Labour	0.00	--	0.00	--
	14. Unpaid Labour	1.13	--	0.20	--
Variable Costs		56.96	0.00	10.18	0.00
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	2.59	--	0.46	--
	3. Equipment and Building: a) Depreciation	10.83	--	1.93	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	0.17	--	0.03	--
Capital Costs		13.58	0.00	2.43	0.00
(D)	Cash Costs	58.59	--	10.47	--
(E)	Total Production Costs	70.54	--	12.61	--
	Gross Margin	96.80	--	17.30	--
	Return to Unpaid Labour	85.98	--	15.36	--
	Return to Investment	85.02	--	15.19	--
	Return to Equity	84.85	--	15.16	--

Investment

Buildings	9.88	--
Machinery	97.68	--
Irrigation Machinery	0.00	--
Total (incl. Land)	857.56	--

Management

Average Yield	(Tonne/acre)	5.60	--
Expected Market Price	(\$/Tonne)	27.56	--

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

- The low is less than 30 bushels per acre and the high is greater than 60 bushels per acre, and
- 50% of the spring wheat fields in the dark brown soil zone yield more than 40 bushels per acre

This detailed information provides a better understanding of yield variability. The average yield is 40.35 bushels per acre as listed on page 11 of the spring wheat crop analysis. While the average (or mean) is important, consideration of both the mean and variability ultimately sets the stage for good decision-making and management practices.

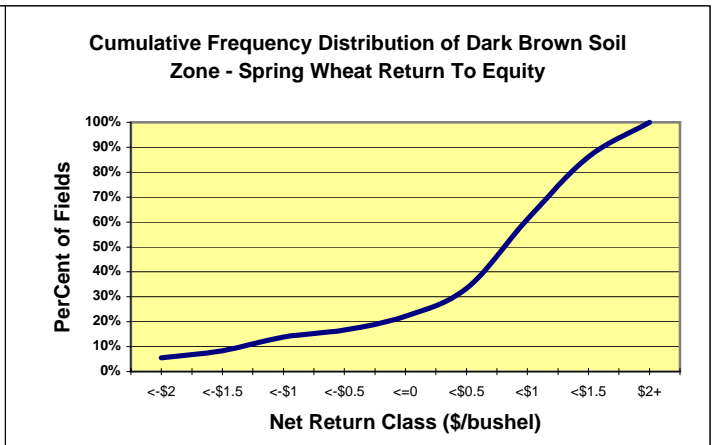
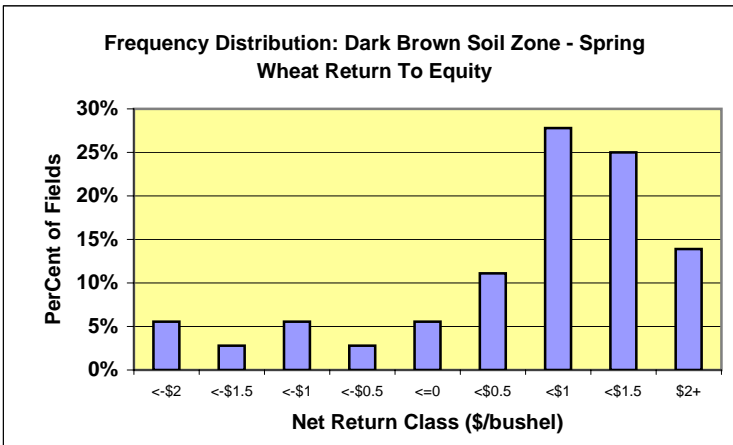
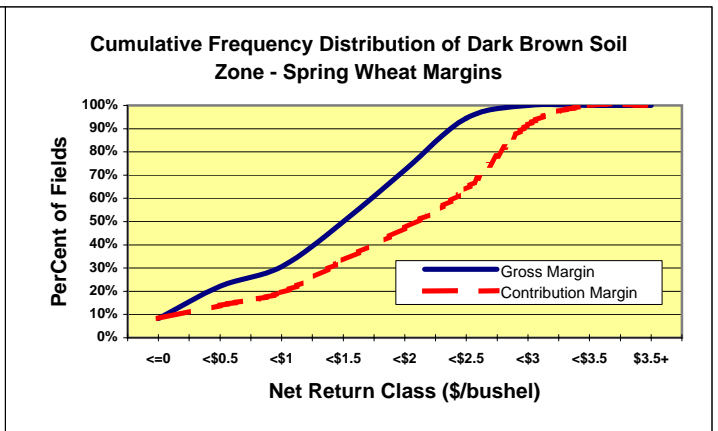
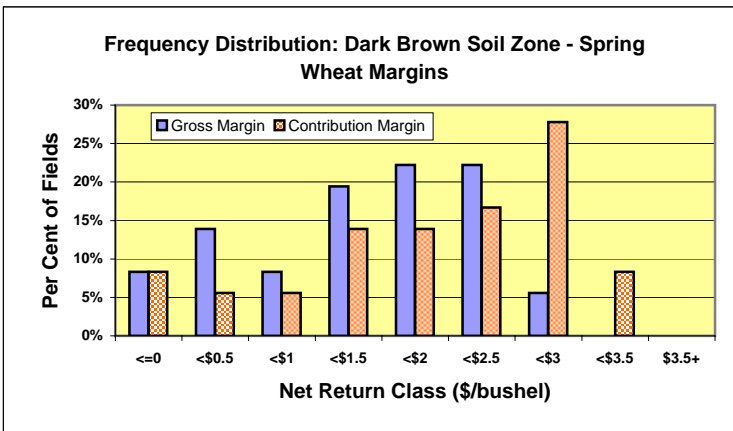
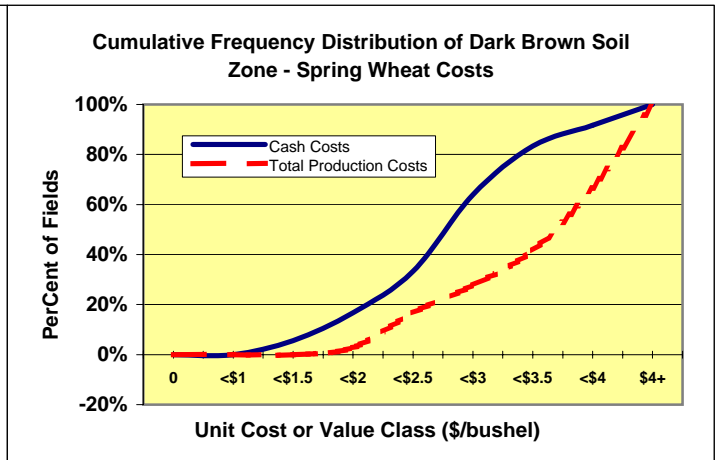
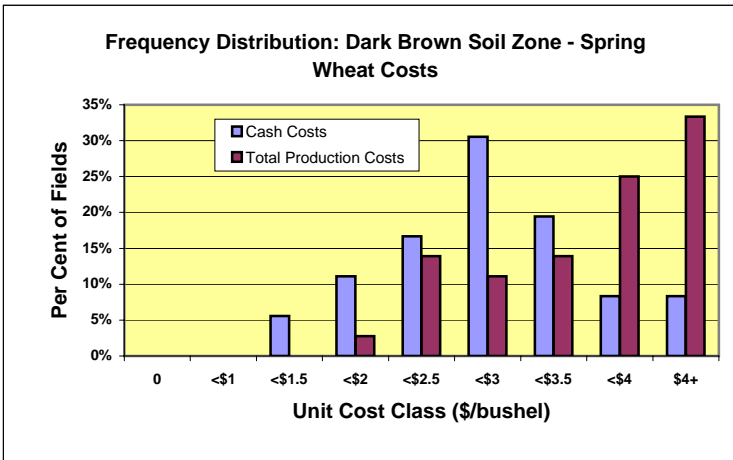
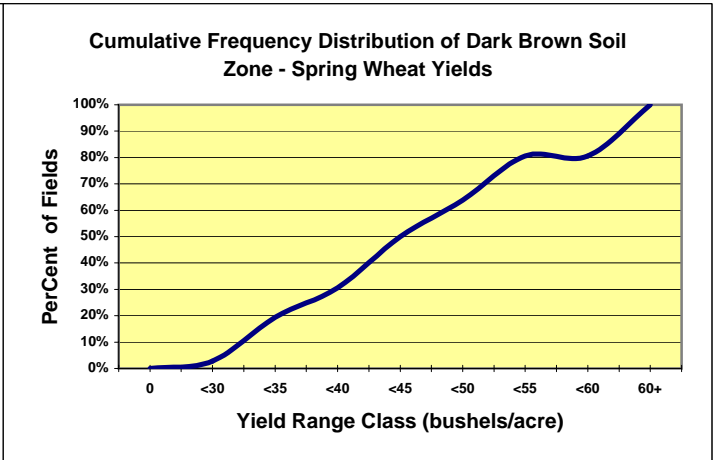
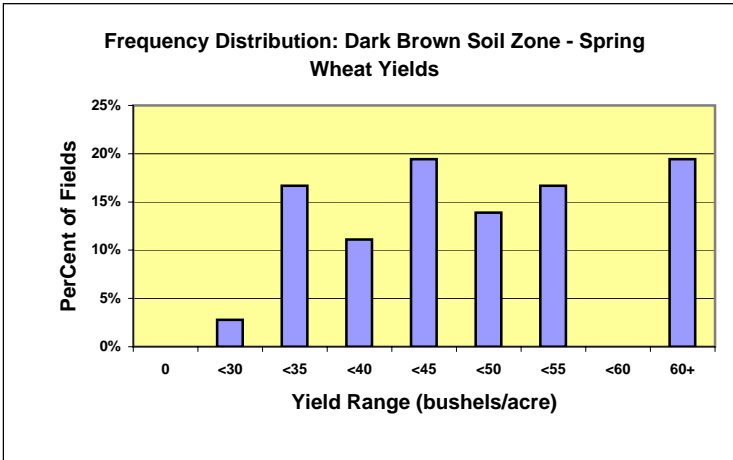
The second set of graphs focuses on the distribution of cost totals. Understanding these provides a basis for cost control and managing for yield per dollar invested. It is important to look at cash costs for individual field analysis (as an indication of cash flow pressure points). Cash costs include all cash expenses accrued to the production of that crop. Total production costs are important when assessing all crops together for an overall enterprise analysis, relating the longer term cost efficiency of each crop and the combined crop mix. Total production costs include the non-cash elements of unpaid labour and depreciation, in addition to cash costs. Looking at the charts, if the price of spring wheat was \$3.50 per bushel, then 80% of the fields are covering their cash costs and 40% of the fields are covering their total production costs. In the long run, the best mix of crops would cover total production costs and give a positive net return per acre.

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

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

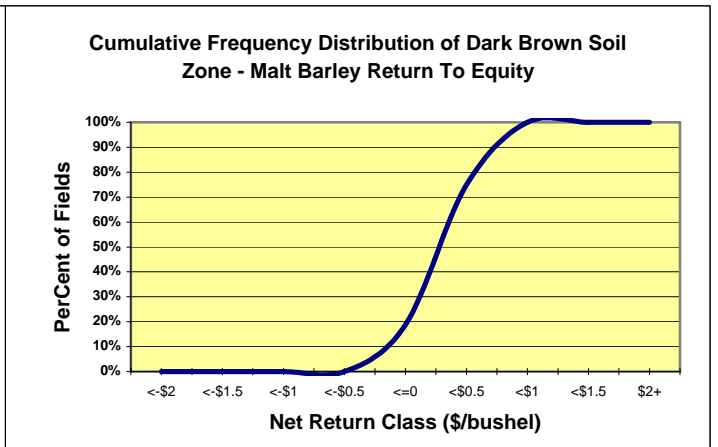
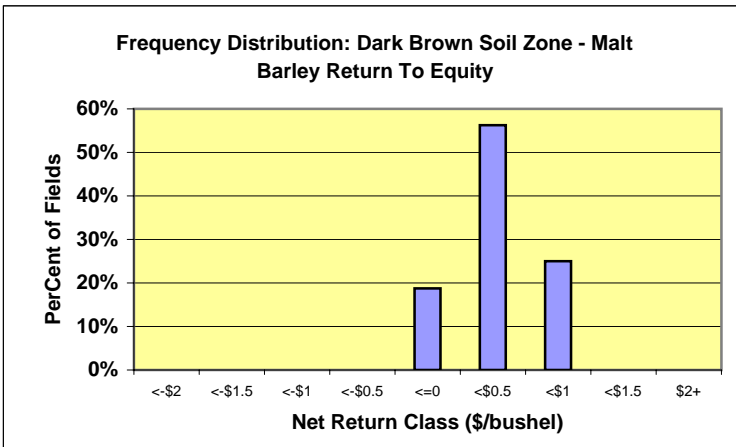
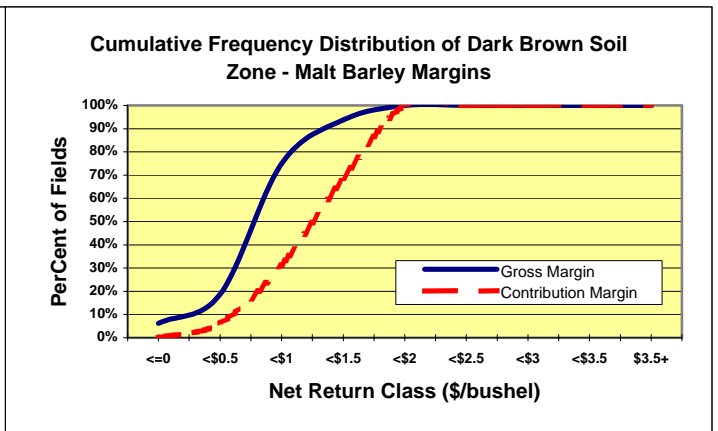
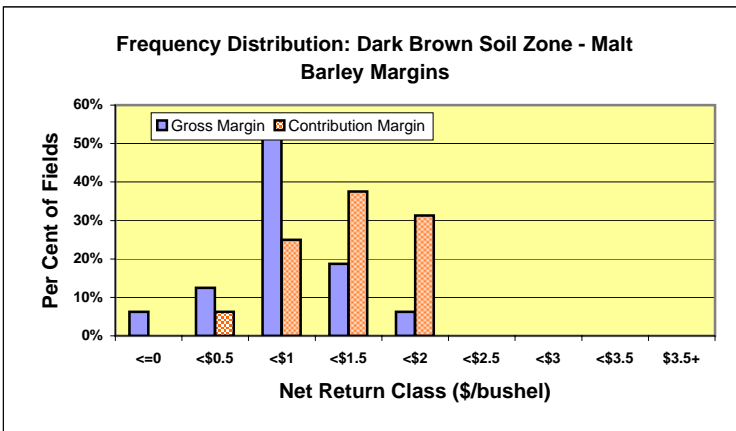
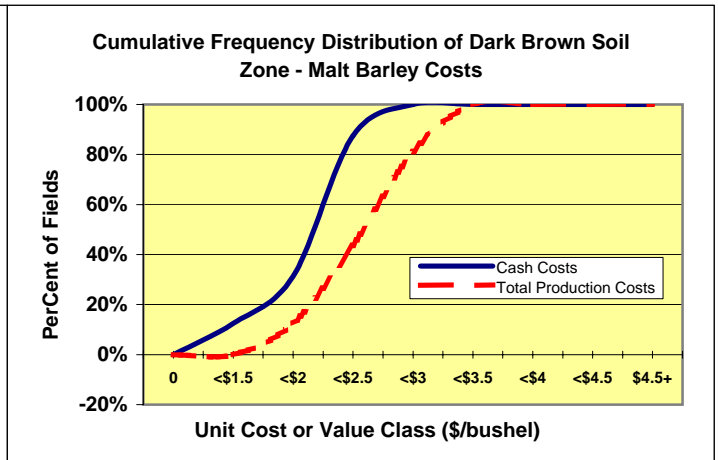
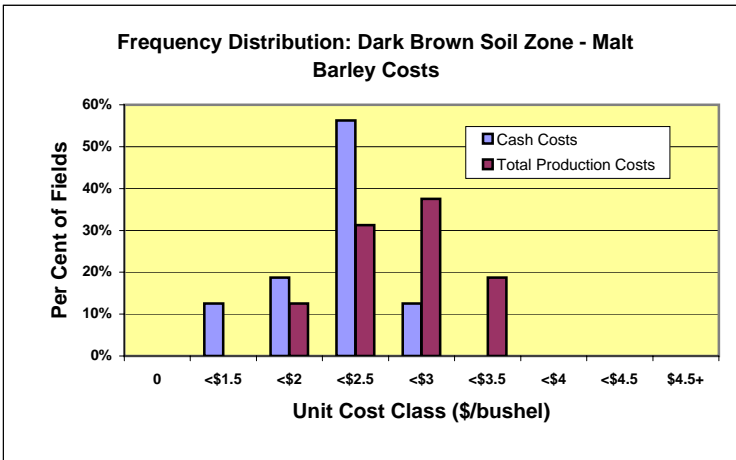
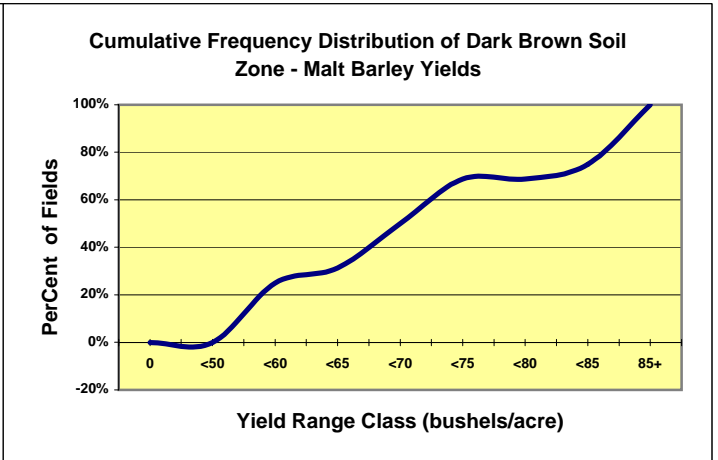
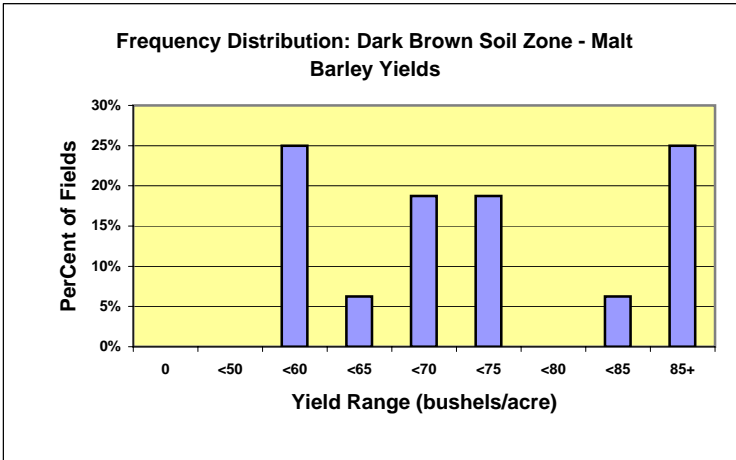
The final set of graphs shows the distribution of returns to equity, or profit per unit of production. This example shows that 20% of the fields had a loss and 80% of the fields at least broke even. Return to equity can be used to compare the profitability of one crop versus another or one farm enterprise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

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



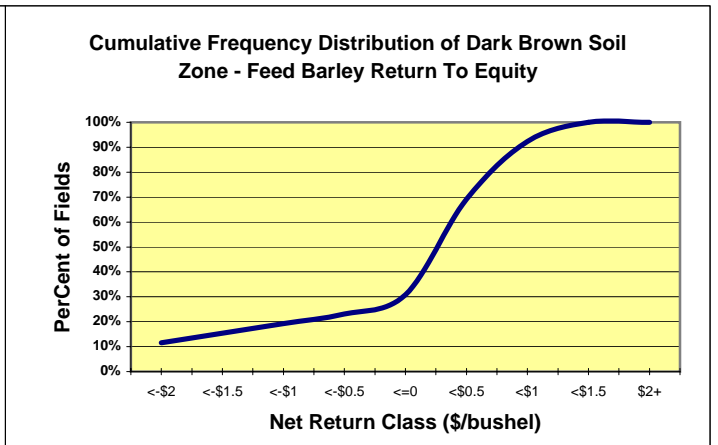
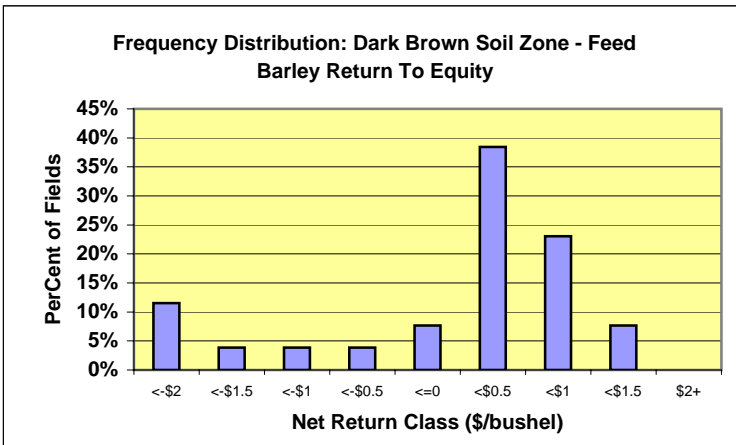
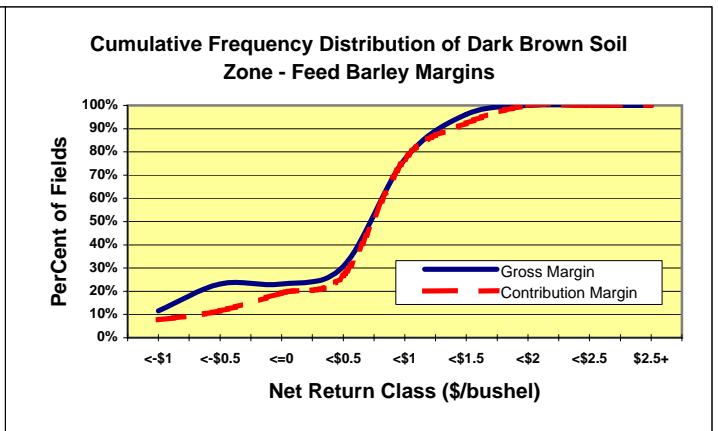
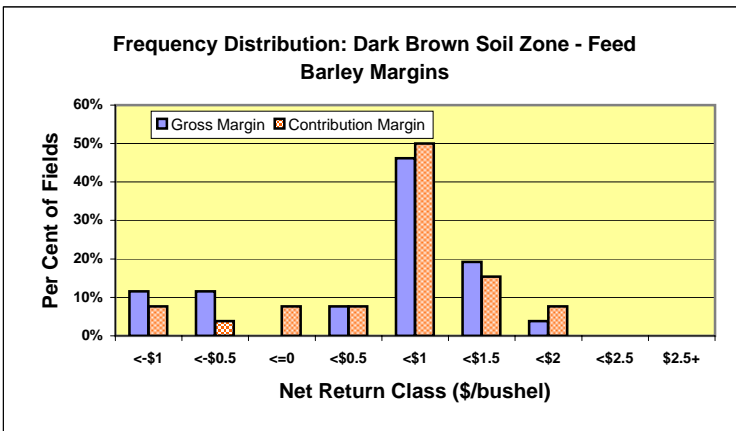
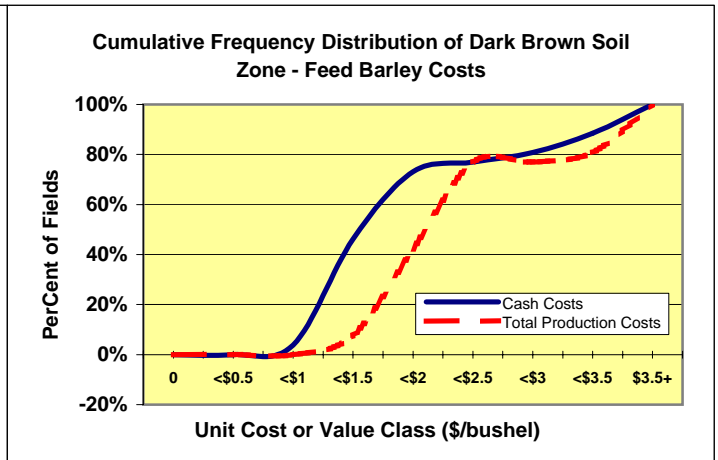
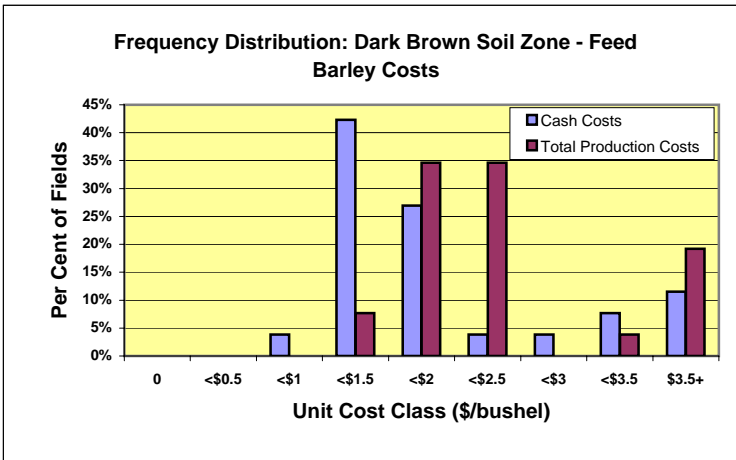
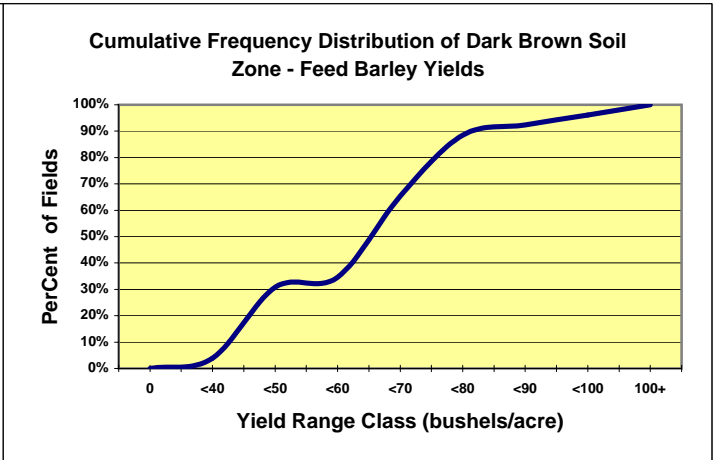
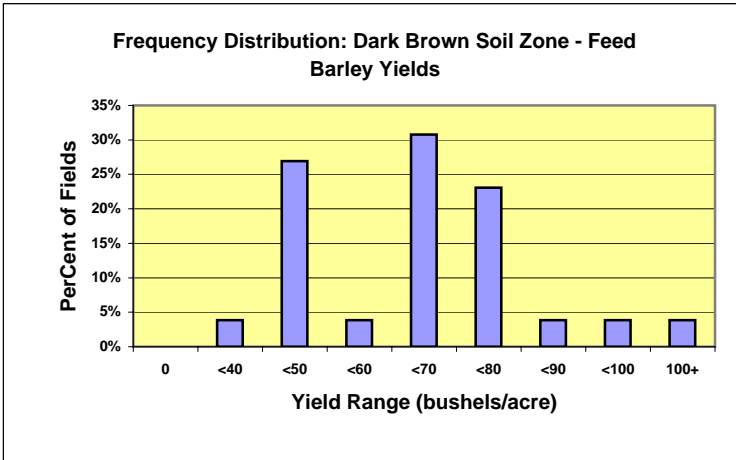
Dark Brown Soil Zone - Malt Barley: 2004

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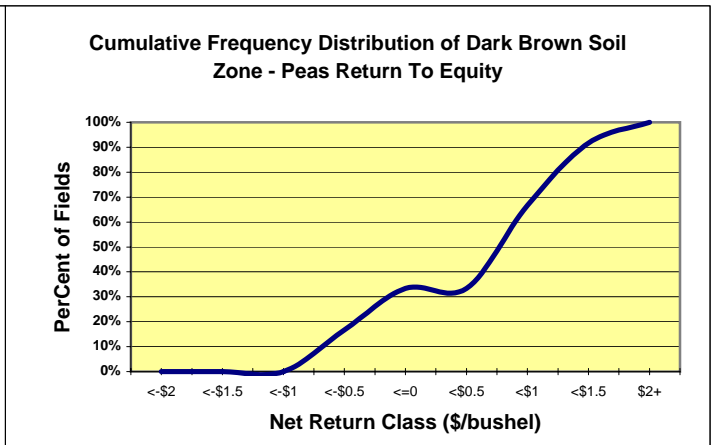
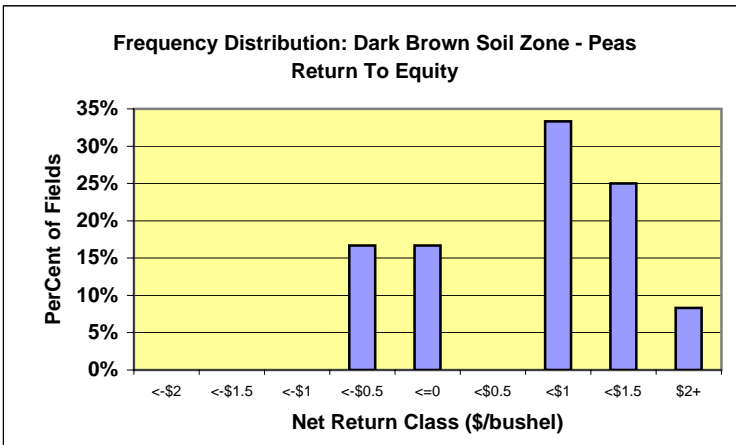
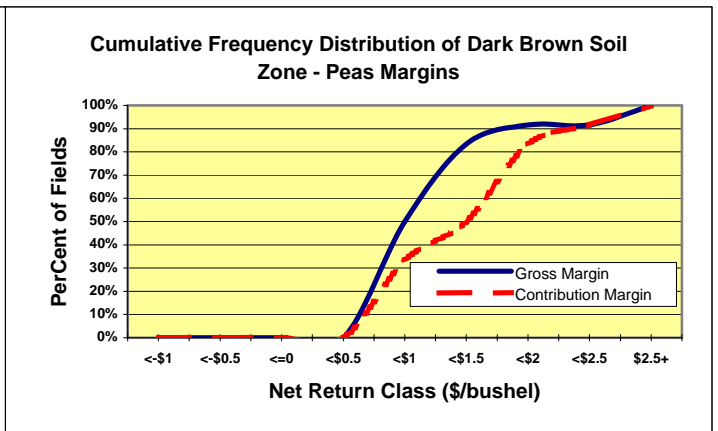
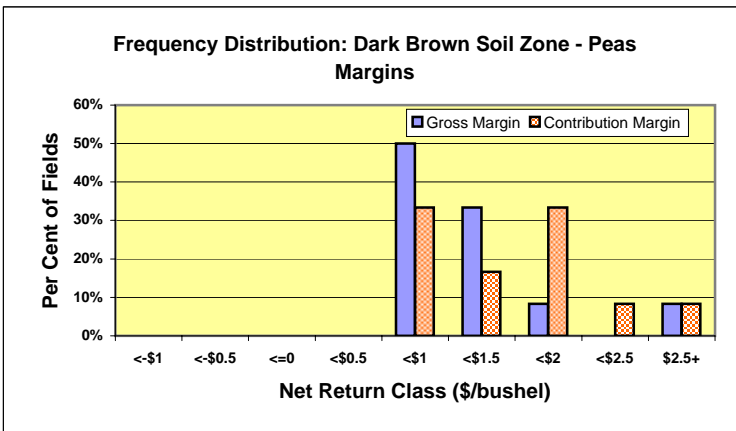
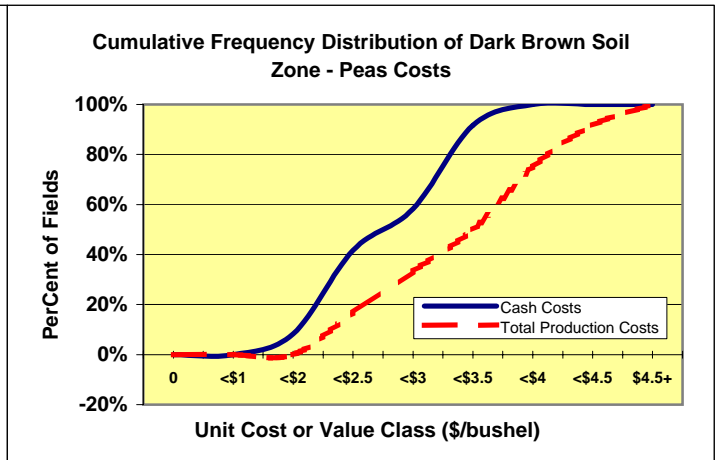
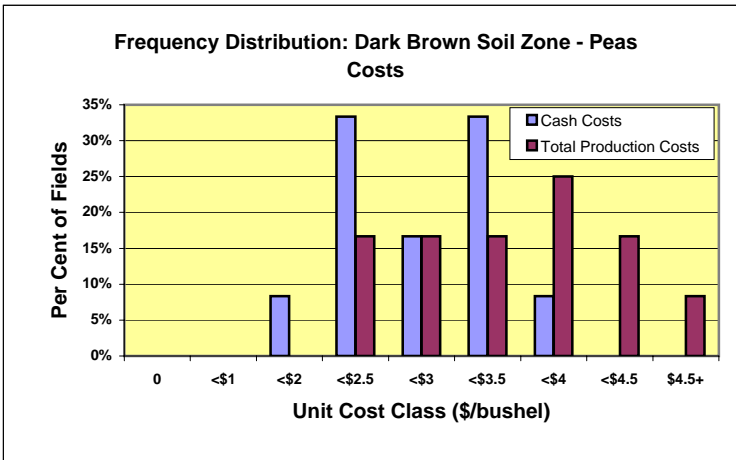
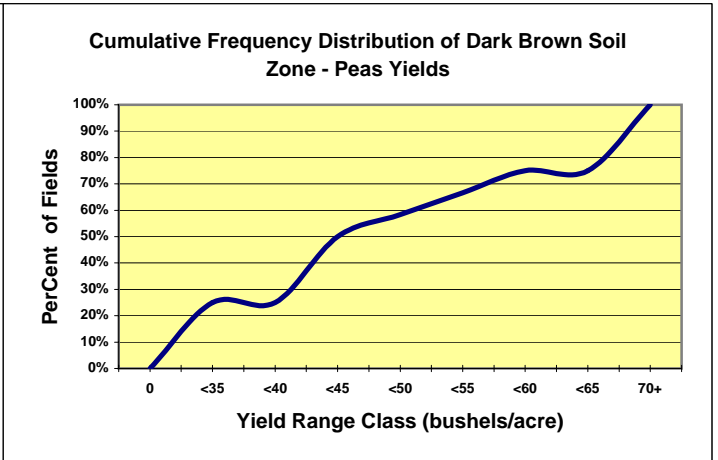
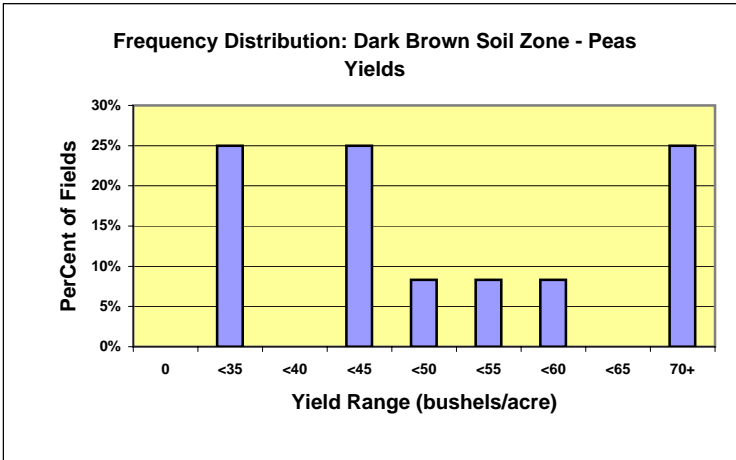


Dark Brown Soil Zone - Feed Barley: 2004

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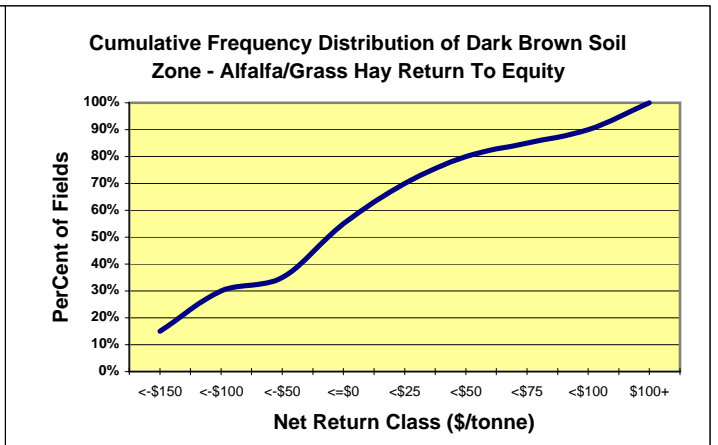
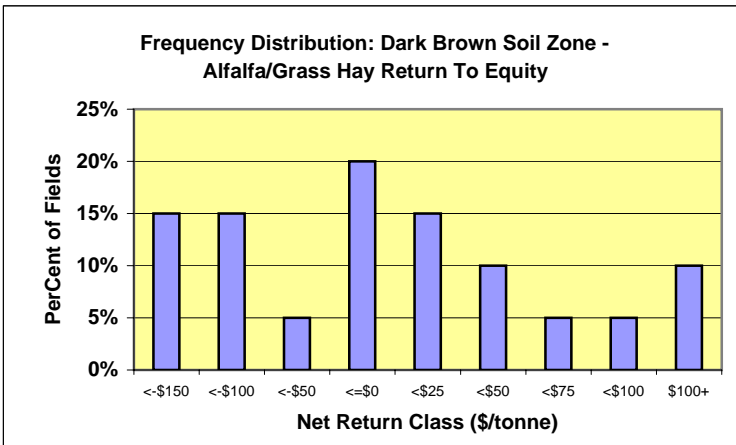
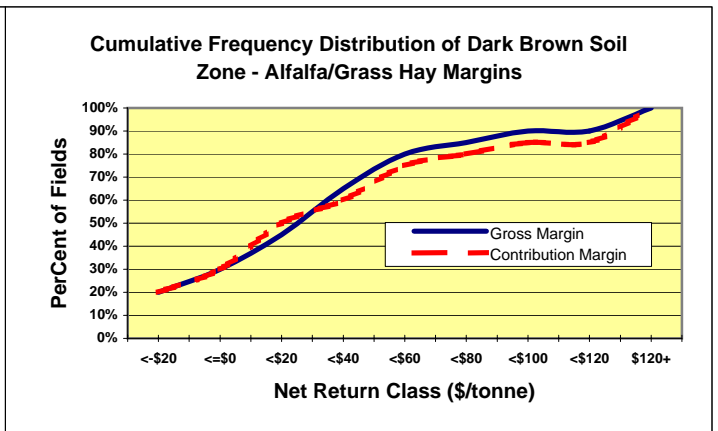
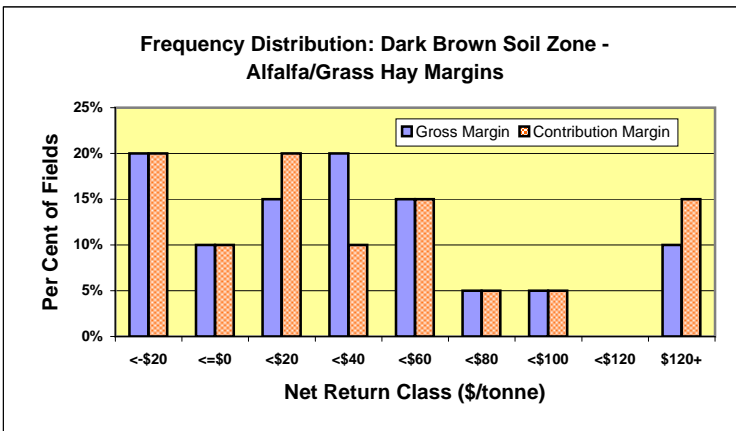
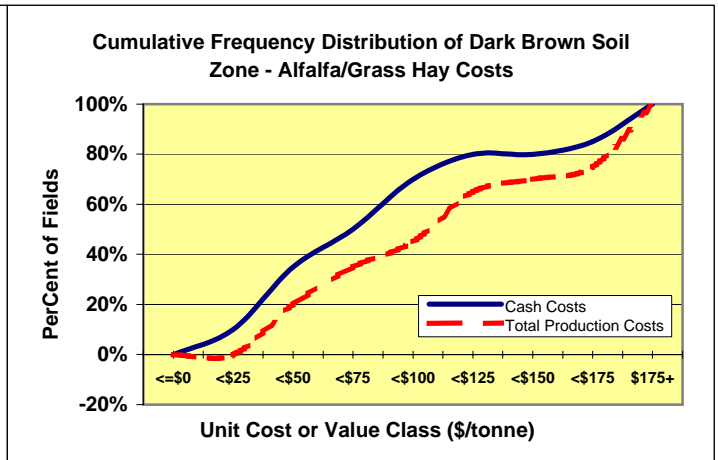
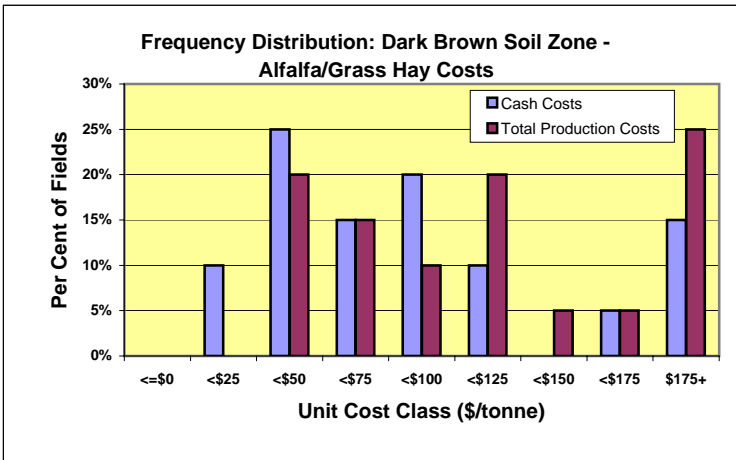
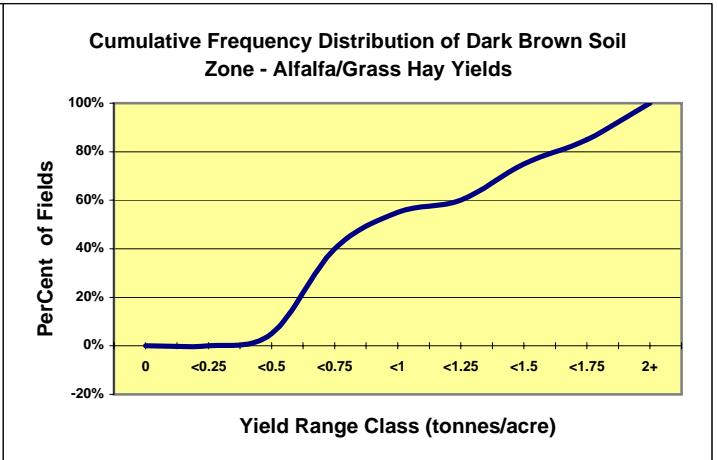
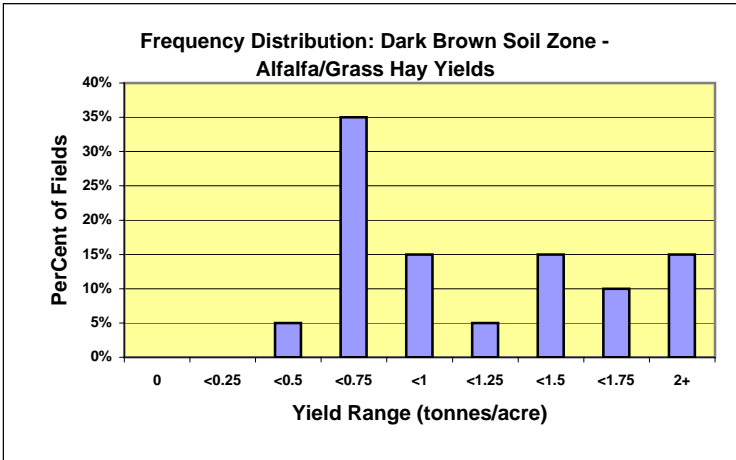


Dark Brown Soil Zone - Peas: 2004



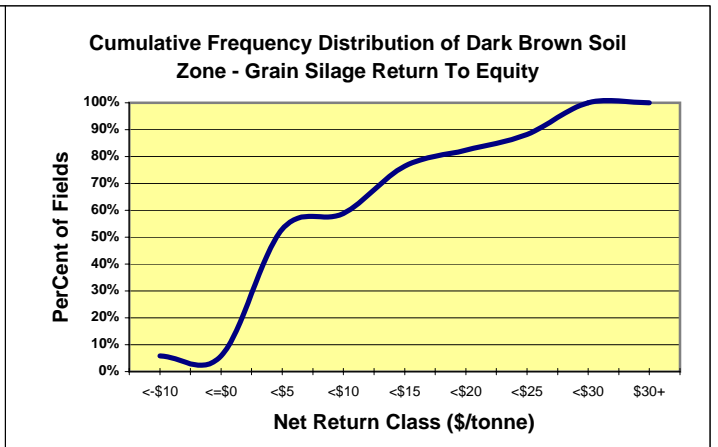
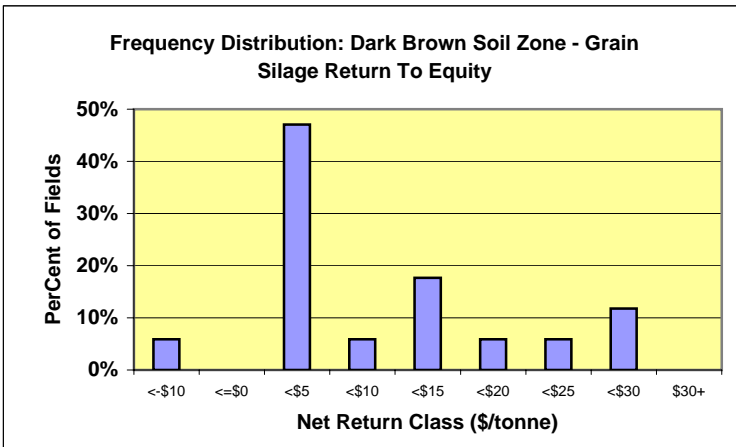
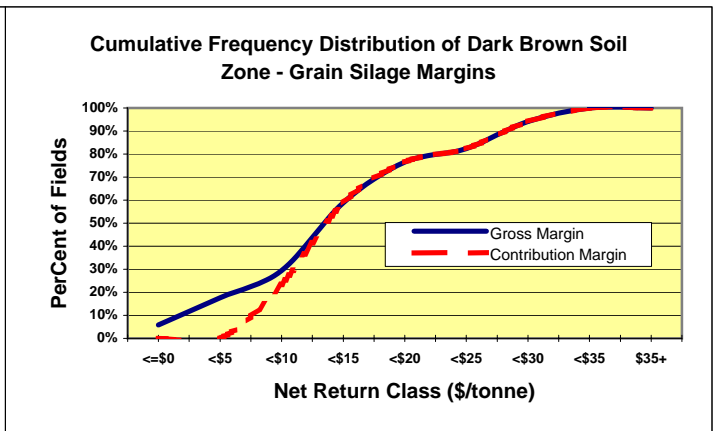
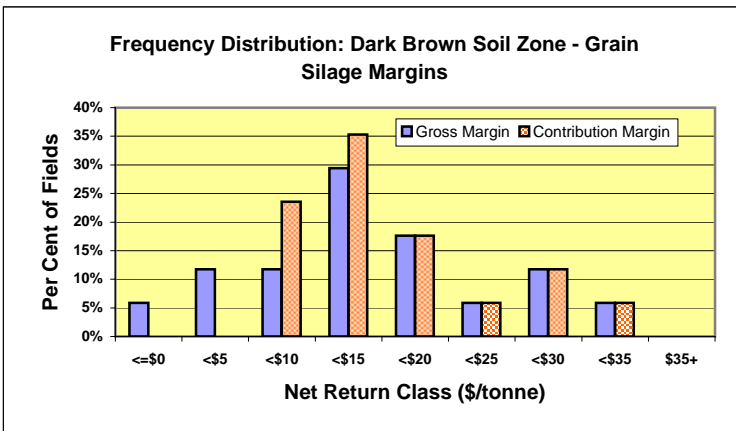
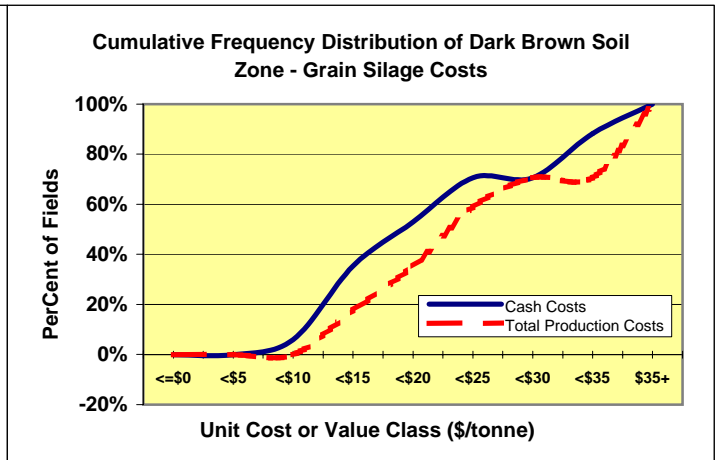
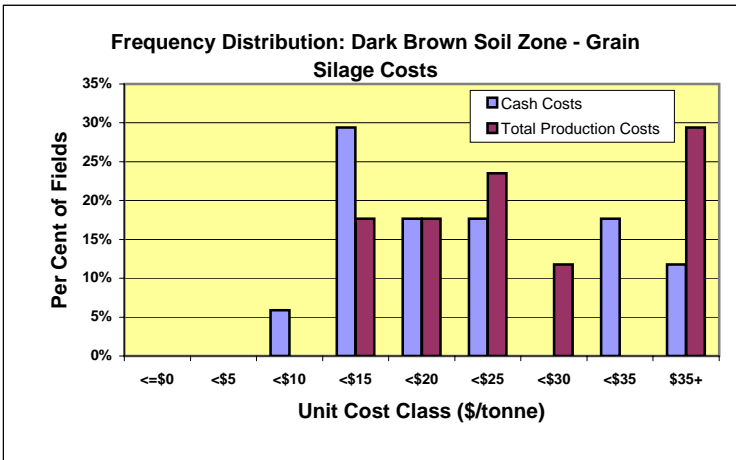
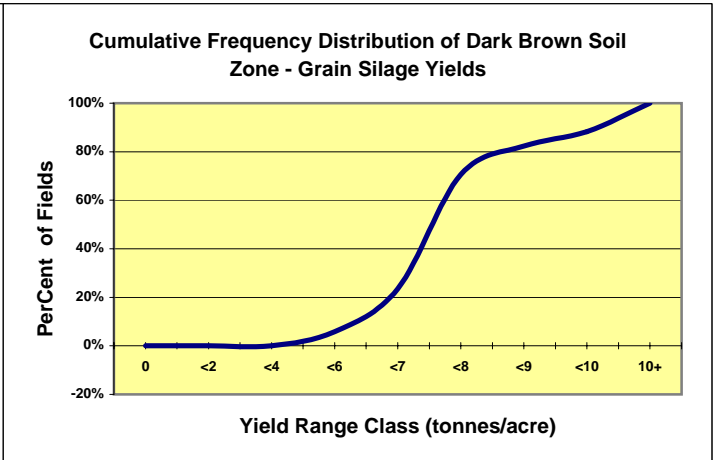
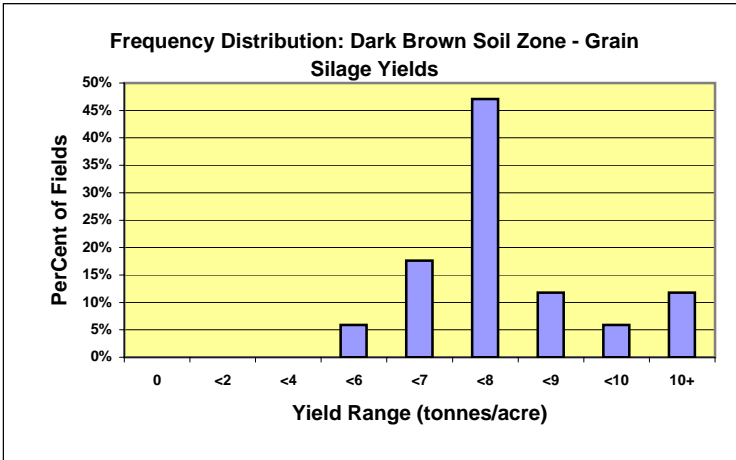
Dark Brown Soil Zone - Alfalfa/Grass Hay: 2004

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Dark Brown Soil Zone - Grain Silage: 2004

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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