

AgriProfit\$

**2015
Cost and Return Benchmarks
for Crops and Forages**

Black Soil Zone

Alberta 
Government



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2015 Black Soil Zone

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OVERVIEW

2015 Black Soil Zone

The *AgriProfit\$* Business Analysis and Research Program provides a provincial overview of costs and returns for field crops and forages. The Economics Section collects cost of production information annually from Alberta producers to generate regional benchmarks. Producer participants are critical to providing a financial representation of Alberta's cropping industry.

AgriProfit\$ cropping benchmarks are analyzed by soil zone group, top third producers, and owned land versus rented land where available. Top third averages are calculated from fields that have the highest return to equity. Analyzing crops by owned versus rented also provides insight into differences in management.

Benchmarks allow for comparison of individual crop costs and returns to other farms in a similar production area. Benchmarks should not replace individual cropping and financial records. There is a risk of over or underestimating costs and returns if basing them on regional benchmarks and forecasts. Strategic planning is more effective when individual costs are used. Managing unit costs of production is one of the most significant strategies to ensure profitability in a mature commodity market.

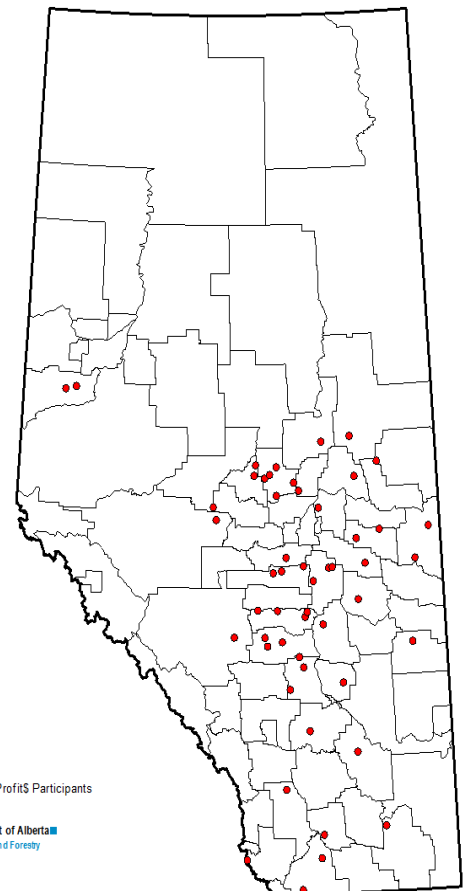
The top map shows the Black Soil Zone in Alberta; this is the grouping method used for this study. Please note that farms highlighted within these zones may contain characteristics of neighbouring soil zones. The map on the bottom shows the distribution of the 2015 participants.

Questions or Comments:

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2015 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	257.25	315.00	6.52	6.51
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	2.55	5.54	0.06	0.11
	Gross Receipts	259.80	320.53	6.58	6.63
(B)	Cost Items				
	1. Seed	18.64	21.07	0.47	0.44
	2. Fertilizer	61.38	36.09	1.56	0.75
	3. Chemical	24.38	19.04	0.62	0.39
	4. Hail/Crop Insurance Premium	6.11	7.18	0.15	0.15
	5. Trucking and Marketing	0.92	0.03	0.02	0.00
	6. Fuel	11.96	11.70	0.30	0.24
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	17.68	12.11	0.45	0.25
	9. Repairs - Buildings	5.77	3.69	0.15	0.08
	10. Utilities and Miscellaneous	7.34	6.76	0.19	0.14
	11. Custom Work	5.24	1.15	0.13	0.02
	12. Operating Interest Paid	2.16	2.31	0.05	0.05
	13. Paid Labour	8.76	8.94	0.22	0.18
	14. Unpaid Labour	10.04	10.39	0.25	0.21
	Variable Costs	180.38	140.46	4.57	2.90
(C)	1. Cash/ Share Land Rent	16.36	13.60	0.41	0.28
	2. Taxes, Water Rates, License & Ins.	6.82	5.83	0.17	0.12
	3. Equipment and Building: a) Depreciation	39.77	42.55	1.01	0.88
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	6.22	3.46	0.16	1.35	
	Capital Costs	69.17	65.45	1.75	2.63
(D)	Cash Costs (B+C-B14-C3a)	199.73	152.96	5.06	4.44
(E)	Total Production Costs (B+C)	249.55	205.91	6.33	5.54
	Gross Margin (A-D)	60.06	167.57	1.52	2.18
	Return to Unpaid Labour (A-E+B14)	20.29	125.02	0.51	1.30
	Return to Investment (A-E+C4)	16.47	118.09	0.42	2.44
	Return to Equity (A-E)	10.25	114.63	0.26	1.09

Investment

Buildings	127.63	75.28
Machinery	361.39	426.95
Irrigation Machinery	0.00	0.00
Total (incl. Land)	2246.08	2392.91

Management

Average Yield (Bushel/acre)	39.45	48.38
Expected Market Price (\$/Bushel)	6.52	6.51

2015 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	244.18	327.78	6.56	6.72	
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00	
	3. Other Receipts	1.95	0.80	0.05	0.02	
	Gross Receipts	246.13	328.58	6.62	6.73	
(B)	Cost Items					
	1. Seed	18.57	19.98	0.50	0.41	
	2. Fertilizer	61.48	33.33	1.65	0.68	
	3. Chemical	24.33	18.52	0.65	0.38	
	4. Hail/Crop Insurance Premium	3.20	5.92	0.09	0.12	
	5. Trucking and Marketing	0.08	0.05	0.00	0.00	
	6. Fuel	10.54	11.23	0.28	0.23	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	18.18	15.00	0.49	0.31	
	9. Repairs - Buildings	6.83	5.28	0.18	0.11	
	10. Utilities and Miscellaneous	7.42	6.24	0.20	0.13	
	11. Custom Work	3.11	2.01	0.08	0.04	
	12. Operating Interest Paid	1.72	2.35	0.05	0.05	
	13. Paid Labour	10.02	10.33	0.27	0.21	
	14. Unpaid Labour	9.86	9.86	0.27	0.20	
	Variable Costs	175.33	140.10	4.71	2.87	
(C)	1. Cash/ Share Land Rent	0.73	0.00	0.02	0.00	
	2. Taxes, Water Rates, License & Ins.	7.89	6.52	0.21	0.13	
	3. Equipment and Building:	a) Depreciation	36.40	41.05	0.98	0.84
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	8.46	4.98	0.23	1.08	
	Capital Costs	53.47	52.55	1.44	2.05	
(D)	Cash Costs	182.55	141.74	4.91	3.88	
(E)	Total Production Costs	228.81	192.65	6.15	4.92	
	Gross Margin	63.58	186.84	1.71	2.85	
	Return to Unpaid Labour	27.18	145.79	0.73	2.01	
	Return to Investment	25.78	140.91	0.69	2.89	
	Return to Equity	17.32	135.93	0.47	1.81	

Investment

Buildings	109.33	89.96
Machinery	336.72	398.75
Irrigation Machinery	0.00	0.00
Total (incl. Land)	3047.10	2889.80

Management

Average Yield	(Bushel/acre)	37.20	48.79
Expected Market Price	(\$/Bushel)	6.56	6.72

2015 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	284.45	--	6.44	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	3.80	--	0.09	--	
	Gross Receipts	288.25	0.00	6.53	0.00	
(B)	Cost Items					
	1. Seed	18.81	--	0.43	--	
	2. Fertilizer	61.17	--	1.39	--	
	3. Chemical	24.48	--	0.55	--	
	4. Hail/Crop Insurance Premium	12.17	--	0.28	--	
	5. Trucking and Marketing	2.67	--	0.06	--	
	6. Fuel	14.92	--	0.34	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	16.63	--	0.38	--	
	9. Repairs - Buildings	3.57	--	0.08	--	
	10. Utilities and Miscellaneous	7.18	--	0.16	--	
	11. Custom Work	9.66	--	0.22	--	
	12. Operating Interest Paid	3.06	--	0.07	--	
	13. Paid Labour	6.13	--	0.14	--	
	14. Unpaid Labour	10.43	--	0.24	--	
Variable Costs	190.88	0.00	4.32	0.00		
(C)	1. Cash/ Share Land Rent	48.88	--	1.11	--	
	2. Taxes, Water Rates, License & Ins.	4.60	--	0.10	--	
	3. Equipment and Building:	a) Depreciation	46.79	--	1.06	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	1.56	--	0.04	--	
Capital Costs	101.85	0.00	2.31	0.00		
(D)	Cash Costs	235.51	--	5.34	--	
(E)	Total Production Costs	292.73	--	6.63	--	
	Gross Margin	52.74	--	1.19	--	
	Return to Unpaid Labour	5.95	--	0.13	--	
	Return to Investment	(2.91)	--	(0.07)	--	
	Return to Equity	(4.48)	--	(0.10)	--	

Investment

Buildings	165.73	--
Machinery	412.77	--
Irrigation Machinery	0.00	--
Total (incl. Land)	578.50	--

Management

Average Yield	(Bushel/acre)	44.14	--
Expected Market Price	(\$/Bushel)	6.44	--

2015 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	328.82	--	3.93	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	69.37	--	0.83	--	
	Gross Receipts	398.20	0.00	4.76	0.00	
(B)	Cost Items					
	1. Seed	9.92	--	0.12	--	
	2. Fertilizer	57.81	--	0.69	--	
	3. Chemical	28.94	--	0.35	--	
	4. Hail/Crop Insurance Premium	8.52	--	0.10	--	
	5. Trucking and Marketing	2.79	--	0.03	--	
	6. Fuel	18.95	--	0.23	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	12.16	--	0.15	--	
	9. Repairs - Buildings	4.36	--	0.05	--	
	10. Utilities and Miscellaneous	21.91	--	0.26	--	
	11. Custom Work	0.91	--	0.01	--	
	12. Operating Interest Paid	0.35	--	0.00	--	
	13. Paid Labour	0.00	--	0.00	--	
	14. Unpaid Labour	14.77	--	0.18	--	
Variable Costs	181.40	0.00	2.17	0.00		
(C)	1. Cash/ Share Land Rent	3.04	--	0.04	--	
	2. Taxes, Water Rates, License & Ins.	9.81	--	0.12	--	
	3. Equipment and Building:	a) Depreciation	108.78	--	1.30	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	14.54	--	0.17	--	
Capital Costs	136.17	0.00	1.63	0.00		
(D)	Cash Costs	194.01	--	2.32	--	
(E)	Total Production Costs	317.56	--	3.80	--	
	Gross Margin	204.19	--	2.44	--	
	Return to Unpaid Labour	95.40	--	1.14	--	
	Return to Investment	95.17	--	1.14	--	
	Return to Equity	80.63	--	0.96	--	

Investment

Buildings	153.06	--
Machinery	1111.04	--
Irrigation Machinery	0.00	--
Total (incl. Land)	4199.47	--

Management

Average Yield	(Bushel/acre)	83.64	--
Expected Market Price	(\$/Bushel)	3.93	--

2015 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	342.60	--	3.93	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	79.93	--	0.92	--	
	Gross Receipts	422.53	0.00	4.84	0.00	
(B)	Cost Items					
	1. Seed	10.00	--	0.11	--	
	2. Fertilizer	53.78	--	0.62	--	
	3. Chemical	28.58	--	0.33	--	
	4. Hail/Crop Insurance Premium	6.36	--	0.07	--	
	5. Trucking and Marketing	1.29	--	0.01	--	
	6. Fuel	17.96	--	0.21	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	11.82	--	0.14	--	
	9. Repairs - Buildings	5.02	--	0.06	--	
	10. Utilities and Miscellaneous	23.18	--	0.27	--	
	11. Custom Work	0.00	--	0.00	--	
	12. Operating Interest Paid	0.00	--	0.00	--	
	13. Paid Labour	0.00	--	0.00	--	
	14. Unpaid Labour	14.59	--	0.17	--	
Variable Costs	172.57	0.00	1.98	0.00		
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	9.74	--	0.11	--	
	3. Equipment and Building:	a) Depreciation	112.91	--	1.29	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	16.75	--	0.19	--	
Capital Costs	139.40	0.00	1.60	0.00		
(D)	Cash Costs	184.47	--	2.11	--	
(E)	Total Production Costs	311.96	--	3.58	--	
	Gross Margin	238.06	--	2.73	--	
	Return to Unpaid Labour	125.15	--	1.43	--	
	Return to Investment	127.32	--	1.46	--	
	Return to Equity	110.57	--	1.27	--	

Investment

Buildings	152.40	--
Machinery	1162.84	--
Irrigation Machinery	0.00	--
Total (incl. Land)	4697.31	--

Management

Average Yield	(Bushel/acre)	87.24	--
Expected Market Price	(\$/Bushel)	3.93	--

2015 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	160.24	--	2.16	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	54.00	--	0.73	--	
	Gross Receipts	214.24	0.00	2.89	0.00	
(B)	Cost Items					
	1. Seed	23.13	--	0.31	--	
	2. Fertilizer	57.96	--	0.78	--	
	3. Chemical	5.17	--	0.07	--	
	4. Hail/Crop Insurance Premium	21.75	--	0.29	--	
	5. Trucking and Marketing	10.58	--	0.14	--	
	6. Fuel	23.81	--	0.32	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	15.08	--	0.20	--	
	9. Repairs - Buildings	0.05	--	0.00	--	
	10. Utilities and Miscellaneous	13.03	--	0.18	--	
	11. Custom Work	2.43	--	0.03	--	
	12. Operating Interest Paid	3.15	--	0.04	--	
	13. Paid Labour	0.00	--	0.00	--	
	14. Unpaid Labour	14.50	--	0.20	--	
Variable Costs	190.64	0.00	2.57	0.00		
(C)	1. Cash/ Share Land Rent	45.78	--	0.62	--	
	2. Taxes, Water Rates, License & Ins.	9.45	--	0.13	--	
	3. Equipment and Building:	a) Depreciation	73.61	--	0.99	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	0.44	--	0.01	--	
Capital Costs	129.28	0.00	1.74	0.00		
(D)	Cash Costs	231.81	--	3.13	--	
(E)	Total Production Costs	319.92	--	4.31	--	
	Gross Margin	(17.57)	--	(0.24)	--	
	Return to Unpaid Labour	(91.18)	--	(1.23)	--	
	Return to Investment	(105.24)	--	(1.42)	--	
	Return to Equity	(105.68)	--	(1.42)	--	

Investment

Buildings	188.89	--
Machinery	671.70	--
Irrigation Machinery	0.00	--
Total (incl. Land)	860.59	--

Management

Average Yield	(Bushel/acre)	74.17	--
Expected Market Price	(\$/Bushel)	2.16	--

2015 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	160.24	--	2.16	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	54.00	--	0.73	--	
	Gross Receipts	214.24	0.00	2.89	0.00	
(B)	Cost Items					
	1. Seed	23.13	--	0.31	--	
	2. Fertilizer	57.96	--	0.78	--	
	3. Chemical	5.17	--	0.07	--	
	4. Hail/Crop Insurance Premium	21.75	--	0.29	--	
	5. Trucking and Marketing	10.58	--	0.14	--	
	6. Fuel	23.81	--	0.32	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	15.08	--	0.20	--	
	9. Repairs - Buildings	0.05	--	0.00	--	
	10. Utilities and Miscellaneous	13.03	--	0.18	--	
	11. Custom Work	2.43	--	0.03	--	
	12. Operating Interest Paid	3.15	--	0.04	--	
	13. Paid Labour	0.00	--	0.00	--	
	14. Unpaid Labour	14.50	--	0.20	--	
Variable Costs	190.64	0.00	2.57	0.00		
(C)	1. Cash/ Share Land Rent	45.78	--	0.62	--	
	2. Taxes, Water Rates, License & Ins.	9.45	--	0.13	--	
	3. Equipment and Building:	a) Depreciation	73.61	--	0.99	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	0.44	--	0.01	--	
Capital Costs	129.28	0.00	1.74	0.00		
(D)	Cash Costs	231.81	--	3.13	--	
(E)	Total Production Costs	319.92	--	4.31	--	
	Gross Margin	(17.57)	--	(0.24)	--	
	Return to Unpaid Labour	(91.18)	--	(1.23)	--	
	Return to Investment	(105.24)	--	(1.42)	--	
	Return to Equity	(105.68)	--	(1.42)	--	

Investment

Buildings	188.89	--
Machinery	671.70	--
Irrigation Machinery	0.00	--
Total (incl. Land)	860.59	--

Management

Average Yield	(Bushel/acre)	74.17	--
Expected Market Price	(\$/Bushel)	2.16	--

2015 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	496.03	565.24	10.61	10.65	
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00	
	3. Other Receipts	4.19	2.80	0.09	0.05	
	Gross Receipts	500.21	568.04	10.70	10.70	
(B)	Cost Items					
	1. Seed	53.47	45.14	1.14	0.85	
	2. Fertilizer	95.18	91.78	2.04	1.73	
	3. Chemical	20.28	21.56	0.43	0.41	
	4. Hail/Crop Insurance Premium	10.31	11.11	0.22	0.21	
	5. Trucking and Marketing	1.13	0.00	0.02	0.00	
	6. Fuel	12.84	12.35	0.27	0.23	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	12.48	8.32	0.27	0.16	
	9. Repairs - Buildings	3.45	1.64	0.07	0.03	
	10. Utilities and Miscellaneous	8.18	6.22	0.17	0.12	
	11. Custom Work	1.67	0.00	0.04	0.00	
	12. Operating Interest Paid	2.11	2.34	0.05	0.04	
	13. Paid Labour	7.80	7.33	0.17	0.14	
	14. Unpaid Labour	12.11	11.03	0.26	0.21	
	Variable Costs	241.00	218.82	5.15	4.12	
(C)	1. Cash/ Share Land Rent	22.66	22.06	0.48	0.42	
	2. Taxes, Water Rates, License & Ins.	5.80	4.67	0.12	0.09	
	3. Equipment and Building:	a) Depreciation	43.86	44.88	0.94	0.85
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	5.02	1.26	0.11	1.37	
	Capital Costs	77.34	72.86	1.65	2.72	
(D)	Cash Costs					
		(B+C-B14-C3a)	262.38	235.77	5.61	5.79
(E)	Total Production Costs					
		(B+C)	318.34	291.68	6.81	6.85
	Gross Margin					
		(A-D)	237.83	332.27	5.09	4.91
	Return to Unpaid Labour					
		(A-E+B14)	193.97	287.39	4.15	4.07
	Return to Investment					
		(A-E+C4)	186.89	277.62	4.00	5.23
	Return to Equity					
		(A-E)	181.87	276.36	3.89	3.86

Investment

Buildings	92.72	55.63
Machinery	429.54	467.67
Irrigation Machinery	0.00	0.00
Total (incl. Land)	2069.64	2018.73

Management

Average Yield	(Bushel/acre)	46.76	53.07
Expected Market Price	(\$/Bushel)	10.61	10.65

2015 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	491.58	--	10.65	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	4.92	--	0.11	--	
	Gross Receipts	496.50	0.00	10.75	0.00	
(B)	Cost Items					
	1. Seed	52.63	--	1.14	--	
	2. Fertilizer	94.80	--	2.05	--	
	3. Chemical	20.48	--	0.44	--	
	4. Hail/Crop Insurance Premium	9.43	--	0.20	--	
	5. Trucking and Marketing	0.57	--	0.01	--	
	6. Fuel	12.23	--	0.26	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	12.68	--	0.27	--	
	9. Repairs - Buildings	3.85	--	0.08	--	
	10. Utilities and Miscellaneous	8.06	--	0.17	--	
	11. Custom Work	1.23	--	0.03	--	
	12. Operating Interest Paid	2.27	--	0.05	--	
	13. Paid Labour	8.92	--	0.19	--	
	14. Unpaid Labour	12.24	--	0.27	--	
Variable Costs	239.39	0.00	5.18	0.00		
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	6.76	--	0.15	--	
	3. Equipment and Building:	a) Depreciation	42.19	--	0.91	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	6.50	--	0.14	--	
Capital Costs	55.46	0.00	1.20	0.00		
(D)	Cash Costs	240.41	--	5.21	--	
(E)	Total Production Costs	294.84	--	6.39	--	
	Gross Margin	256.09	--	5.55	--	
	Return to Unpaid Labour	213.90	--	4.63	--	
	Return to Investment	208.16	--	4.51	--	
	Return to Equity	201.66	--	4.37	--	

Investment

Buildings	94.49	--
Machinery	410.91	--
Irrigation Machinery	0.00	--
Total (incl. Land)	2922.00	--

Management

Average Yield	(Bushel/acre)	46.17	--
Expected Market Price	(\$/Bushel)	10.65	--

2015 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	503.94	--	10.54	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	2.87	--	0.06	--	
	Gross Receipts	506.82	0.00	10.60	0.00	
(B)	Cost Items					
	1. Seed	54.96	--	1.15	--	
	2. Fertilizer	95.87	--	2.01	--	
	3. Chemical	19.92	--	0.42	--	
	4. Hail/Crop Insurance Premium	11.87	--	0.25	--	
	5. Trucking and Marketing	2.13	--	0.04	--	
	6. Fuel	13.92	--	0.29	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	12.13	--	0.25	--	
	9. Repairs - Buildings	2.74	--	0.06	--	
	10. Utilities and Miscellaneous	8.38	--	0.18	--	
	11. Custom Work	2.46	--	0.05	--	
	12. Operating Interest Paid	1.83	--	0.04	--	
	13. Paid Labour	5.80	--	0.12	--	
	14. Unpaid Labour	11.86	--	0.25	--	
Variable Costs	243.88	0.00	5.10	0.00		
(C)	1. Cash/ Share Land Rent	63.00	--	1.32	--	
	2. Taxes, Water Rates, License & Ins.	4.09	--	0.09	--	
	3. Equipment and Building:	a) Depreciation	46.83	--	0.98	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	2.38	--	0.05	--	
Capital Costs	116.30	0.00	2.43	0.00		
(D)	Cash Costs	301.48	--	6.31	--	
(E)	Total Production Costs	360.18	--	7.53	--	
	Gross Margin	205.33	--	4.29	--	
	Return to Unpaid Labour	158.50	--	3.32	--	
	Return to Investment	149.01	--	3.12	--	
	Return to Equity	146.64	--	3.07	--	

Investment

Buildings	89.57	--
Machinery	462.71	--
Irrigation Machinery	0.00	--
Total (incl. Land)	552.29	--

Management

Average Yield	(Bushel/acre)	47.81	--
Expected Market Price	(\$/Bushel)	10.54	--

2015 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	555.41	619.11	10.57	10.75
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	5.50	1.34	0.10	0.02
Gross Receipts		560.92	620.45	10.68	10.77
(B)	Cost Items				
	1. Seed	44.29	33.00	0.84	0.57
	2. Fertilizer	85.37	89.15	1.62	1.55
	3. Chemical	21.60	29.00	0.41	0.50
	4. Hail/Crop Insurance Premium	16.22	11.75	0.31	0.20
	5. Trucking and Marketing	0.41	0.00	0.01	0.00
	6. Fuel	13.35	12.41	0.25	0.22
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	10.26	8.74	0.20	0.15
	9. Repairs - Buildings	1.13	2.03	0.02	0.04
	10. Utilities and Miscellaneous	7.15	5.32	0.14	0.09
	11. Custom Work	2.22	0.00	0.04	0.00
	12. Operating Interest Paid	2.68	2.89	0.05	0.05
	13. Paid Labour	4.91	9.05	0.09	0.16
	14. Unpaid Labour	12.01	10.46	0.23	0.18
Variable Costs		221.60	213.80	4.22	3.71
(C)	1. Cash/ Share Land Rent	32.79	14.01	0.62	0.24
	2. Taxes, Water Rates, License & Ins.	5.37	4.29	0.10	0.07
	3. Equipment and Building: a) Depreciation	41.32	47.11	0.79	0.82
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	4.38	0.00	0.08	1.14
Capital Costs		83.87	65.41	1.60	2.27
(D)	Cash Costs	252.13	221.64	4.80	4.98
(E)	Total Production Costs	305.46	279.21	5.81	5.98
	Gross Margin	308.78	398.81	5.88	5.79
	Return to Unpaid Labour	267.46	351.70	5.09	4.97
	Return to Investment	259.83	341.24	4.95	5.93
	Return to Equity	255.45	341.24	4.86	4.79

Investment

Buildings	125.42	55.18
Machinery	390.50	488.91
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1424.28	2059.26

Management

Average Yield	(Bushel/acre)	52.53	57.59
Expected Market Price	(\$/Bushel)	10.57	10.75

2015 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	571.05	--	10.59	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	9.21	--	0.17	--	
	Gross Receipts	580.27	0.00	10.76	0.00	
(B)	Cost Items					
	1. Seed	38.77	--	0.72	--	
	2. Fertilizer	84.89	--	1.57	--	
	3. Chemical	24.85	--	0.46	--	
	4. Hail/Crop Insurance Premium	15.90	--	0.29	--	
	5. Trucking and Marketing	1.12	--	0.02	--	
	6. Fuel	13.90	--	0.26	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	10.16	--	0.19	--	
	9. Repairs - Buildings	1.44	--	0.03	--	
	10. Utilities and Miscellaneous	9.34	--	0.17	--	
	11. Custom Work	0.96	--	0.02	--	
	12. Operating Interest Paid	2.64	--	0.05	--	
	13. Paid Labour	6.06	--	0.11	--	
	14. Unpaid Labour	14.47	--	0.27	--	
Variable Costs	224.49	0.00	4.16	0.00		
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	8.46	--	0.16	--	
	3. Equipment and Building:	a) Depreciation	42.92	--	0.80	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	7.43	--	0.14	--	
Capital Costs	58.81	0.00	1.09	0.00		
(D)	Cash Costs	225.90	--	4.19	--	
(E)	Total Production Costs	283.29	--	5.25	--	
	Gross Margin	354.36	--	6.57	--	
	Return to Unpaid Labour	311.44	--	5.78	--	
	Return to Investment	304.40	--	5.65	--	
	Return to Equity	296.97	--	5.51	--	

Investment

Buildings	128.04	--
Machinery	403.62	--
Irrigation Machinery	0.00	--
Total (incl. Land)	2985.44	--

Management

Average Yield	(Bushel/acre)	53.92	--
Expected Market Price	(\$/Bushel)	10.59	--

2015 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	546.22	--	10.56	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	3.32	--	0.06	--	
	Gross Receipts	549.54	0.00	10.63	0.00	
(B)	Cost Items					
	1. Seed	47.53	--	0.92	--	
	2. Fertilizer	85.64	--	1.66	--	
	3. Chemical	19.69	--	0.38	--	
	4. Hail/Crop Insurance Premium	16.40	--	0.32	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	13.03	--	0.25	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	10.33	--	0.20	--	
	9. Repairs - Buildings	0.95	--	0.02	--	
	10. Utilities and Miscellaneous	5.86	--	0.11	--	
	11. Custom Work	2.95	--	0.06	--	
	12. Operating Interest Paid	2.70	--	0.05	--	
	13. Paid Labour	4.24	--	0.08	--	
	14. Unpaid Labour	10.57	--	0.20	--	
Variable Costs	219.90	0.00	4.25	0.00		
(C)	1. Cash/ Share Land Rent	52.06	--	1.01	--	
	2. Taxes, Water Rates, License & Ins.	3.56	--	0.07	--	
	3. Equipment and Building:	a) Depreciation	40.38	--	0.78	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	2.59	--	0.05	--	
Capital Costs	98.59	0.00	1.91	0.00		
(D)	Cash Costs (B+C-B14-C3a)	267.55	--	5.17	--	
(E)	Total Production Costs (B+C)	318.50	--	6.16	--	
	Gross Margin (A-D)	282.00	--	5.45	--	
	Return to Unpaid Labour (A-E+B14)	241.61	--	4.67	--	
	Return to Investment (A-E+C4)	233.64	--	4.52	--	
	Return to Equity (A-E)	231.05	--	4.47	--	

Investment

Buildings	123.87	--
Machinery	382.79	--
Irrigation Machinery	0.00	--
Total (incl. Land)	506.66	--

Management

Average Yield	(Bushel/acre)	51.72	--
Expected Market Price	(\$/Bushel)	10.56	--

2015 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	250.24	405.05	183.91	171.83
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	0.20	0.21	0.14	0.09
	Gross Receipts	250.44	405.26	184.06	171.92
(B)	Cost Items				
	1. Seed	0.00	0.00	0.00	0.00
	2. Fertilizer	0.51	0.50	0.38	0.21
	3. Chemical	0.05	0.05	0.04	0.02
	4. Hail/Crop Insurance Premium	0.02	0.02	0.02	0.01
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	12.38	15.93	9.10	6.76
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	3.46	4.41	2.54	1.87
	9. Repairs - Buildings	4.97	5.37	3.65	2.28
	10. Utilities and Miscellaneous	15.31	18.67	11.25	7.92
	11. Custom Work	0.59	1.88	0.43	0.80
	12. Operating Interest Paid	0.97	1.27	0.71	0.54
	13. Paid Labour	1.74	1.85	1.28	0.78
	14. Unpaid Labour	16.41	12.83	12.06	5.44
	Variable Costs	56.40	62.78	41.45	26.63
(C)	1. Cash/ Share Land Rent	43.81	22.88	32.20	9.70
	2. Taxes, Water Rates, License & Ins.	6.40	9.14	4.71	3.88
	3. Equipment and Building: a) Depreciation	19.70	22.55	14.47	9.56
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	0.38	0.37	0.28	23.30
	Capital Costs	70.28	54.94	51.65	46.45
(D)	Cash Costs (B+C-B14-C3a)	90.59	82.34	66.58	58.08
(E)	Total Production Costs (B+C)	126.69	117.72	93.11	73.08
	Gross Margin (A-D)	159.85	322.92	117.48	113.84
	Return to Unpaid Labour (A-E+B14)	140.16	300.37	103.01	104.27
	Return to Investment (A-E+C4)	124.13	287.92	91.23	122.14
	Return to Equity (A-E)	123.75	287.54	90.95	98.83

Investment

Buildings	63.31	103.44
Machinery	164.36	173.76
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1181.04	1762.82

Management

Average Yield (Tonne/acre)	1.36	2.36
Expected Market Price (\$/Tonne)	183.91	171.83

2015 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	283.78	422.26	191.23	179.08
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	0.32	0.19	0.22	0.08
	Gross Receipts	284.11	422.45	191.45	179.17
(B) Cost Items					
	1. Seed	0.00	0.00	0.00	0.00
	2. Fertilizer	1.23	0.00	0.83	0.00
	3. Chemical	0.13	0.00	0.09	0.00
	4. Hail/Crop Insurance Premium	0.05	0.00	0.04	0.00
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	12.28	10.48	8.28	4.45
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	1.89	2.53	1.28	1.07
	9. Repairs - Buildings	9.38	1.67	6.32	0.71
	10. Utilities and Miscellaneous	18.54	15.81	12.49	6.70
	11. Custom Work	0.00	0.00	0.00	0.00
	12. Operating Interest Paid	0.89	0.78	0.60	0.33
	13. Paid Labour	1.39	3.29	0.94	1.39
	14. Unpaid Labour	19.18	17.33	12.93	7.35
	Variable Costs	64.97	51.88	43.78	22.00
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	10.99	12.62	7.41	5.35
	3. Equipment and Building: a) Depreciation	22.05	15.56	14.86	6.60
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	0.91	0.00	0.61	11.95	
	Capital Costs	33.95	28.18	22.88	23.91
(D)	Cash Costs (B+C-B14-C3a)	57.69	47.17	38.88	31.96
(E)	Total Production Costs (B+C)	98.92	80.06	66.66	45.91
	Gross Margin (A-D)	226.41	375.28	152.57	147.21
	Return to Unpaid Labour (A-E+B14)	204.37	359.72	137.72	140.61
	Return to Investment (A-E+C4)	186.09	342.39	125.40	145.21
	Return to Equity (A-E)	185.18	342.39	124.79	133.26

Investment

Buildings	53.00	34.21
Machinery	195.33	137.99
Irrigation Machinery	0.00	0.00
Total (incl. Land)	2547.62	2813.31

Management

Average Yield (Tonne/acre)	1.48	2.36
Expected Market Price (\$/Tonne)	191.23	179.08

2015 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	224.22	437.03	186.68	152.48
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	0.13	0.38	0.11	0.13
Gross Receipts		224.35	437.41	186.79	152.61
(B)	Cost Items				
	1. Seed	0.00	0.00	0.00	0.00
	2. Fertilizer	0.00	0.00	0.00	0.00
	3. Chemical	0.00	0.00	0.00	0.00
	4. Hail/Crop Insurance Premium	0.00	0.00	0.00	0.00
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	10.82	16.24	9.01	5.67
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	3.00	2.10	2.50	0.73
	9. Repairs - Buildings	2.23	5.42	1.86	1.89
	10. Utilities and Miscellaneous	15.55	36.07	12.95	12.58
	11. Custom Work	1.21	6.74	1.01	2.35
	12. Operating Interest Paid	1.25	2.94	1.04	1.03
	13. Paid Labour	2.40	6.47	2.00	2.26
	14. Unpaid Labour	16.09	9.04	13.39	3.15
Variable Costs		52.56	85.02	43.76	29.66
(C)	1. Cash/ Share Land Rent	81.70	79.77	68.02	27.83
	2. Taxes, Water Rates, License & Ins.	3.56	4.01	2.96	1.40
	3. Equipment and Building: a) Depreciation	17.74	32.29	14.77	11.27
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	0.00	0.00	0.00	40.50
Capital Costs		103.00	116.07	85.75	80.99
(D)	Cash Costs (B+C-B14-C3a)	121.73	159.76	101.35	96.23
(E)	Total Production Costs (B+C)	155.56	201.09	129.51	110.66
	Gross Margin (A-D)	102.62	277.65	85.44	56.38
	Return to Unpaid Labour (A-E+B14)	84.88	245.36	70.67	45.11
	Return to Investment (A-E+C4)	68.79	236.32	57.28	82.45
	Return to Equity (A-E)	68.79	236.32	57.28	41.96

Investment

Buildings	70.29	222.99
Machinery	136.34	201.44
Irrigation Machinery	0.00	0.00
Total (incl. Land)	206.63	424.43

Management

Average Yield (Tonne/acre)	1.20	2.87
Expected Market Price (\$/Tonne)	186.68	152.48

2015 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	141.04	--	162.31	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	0.49	--	0.57	--	
	Gross Receipts	141.53	0.00	162.88	0.00	
(B)	Cost Items					
	1. Seed	0.00	--	0.00	--	
	2. Fertilizer	2.52	--	2.89	--	
	3. Chemical	0.26	--	0.30	--	
	4. Hail/Crop Insurance Premium	22.14	--	25.48	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	22.37	--	25.74	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	10.46	--	12.04	--	
	9. Repairs - Buildings	16.18	--	18.62	--	
	10. Utilities and Miscellaneous	11.43	--	13.16	--	
	11. Custom Work	0.00	--	0.00	--	
	12. Operating Interest Paid	0.05	--	0.06	--	
	13. Paid Labour	0.00	--	0.00	--	
	14. Unpaid Labour	9.13	--	10.51	--	
Variable Costs	94.54	0.00	108.80	0.00		
(C)	1. Cash/ Share Land Rent	25.75	--	29.63	--	
	2. Taxes, Water Rates, License & Ins.	7.62	--	8.77	--	
	3. Equipment and Building:	a) Depreciation	25.05	--	28.83	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	1.86	--	2.14	--	
Capital Costs	60.28	0.00	69.37	0.00		
(D)	Cash Costs	120.63	--	138.83	--	
(E)	Total Production Costs	154.82	--	178.17	--	
	Gross Margin	20.90	--	24.05	--	
	Return to Unpaid Labour	(4.15)	--	(4.78)	--	
	Return to Investment	(11.43)	--	(13.15)	--	
	Return to Equity	(13.28)	--	(15.29)	--	

Investment

Buildings	89.62	--
Machinery	224.15	--
Irrigation Machinery	0.00	--
Total (incl. Land)	846.66	--

Management

Average Yield	(Tonne/acre)	0.87	--
Expected Market Price	(\$/Tonne)	162.31	--

2015 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	185.27	--	189.20	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	1.53	--	1.56	--	
	Gross Receipts	186.80	0.00	190.76	0.00	
(B)	Cost Items					
	1. Seed	0.00	--	0.00	--	
	2. Fertilizer	7.80	--	7.97	--	
	3. Chemical	0.82	--	0.84	--	
	4. Hail/Crop Insurance Premium	0.33	--	0.34	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	27.13	--	27.70	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	7.32	--	7.47	--	
	9. Repairs - Buildings	50.20	--	51.26	--	
	10. Utilities and Miscellaneous	34.26	--	34.99	--	
	11. Custom Work	0.00	--	0.00	--	
	12. Operating Interest Paid	0.17	--	0.17	--	
	13. Paid Labour	0.00	--	0.00	--	
	14. Unpaid Labour	14.29	--	14.60	--	
Variable Costs	142.32	0.00	145.34	0.00		
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	21.03	--	21.48	--	
	3. Equipment and Building:	a) Depreciation	36.97	--	37.75	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	5.76	--	5.88	--	
Capital Costs	63.76	0.00	65.11	0.00		
(D)	Cash Costs	154.82	--	158.11	--	
(E)	Total Production Costs	206.08	--	210.46	--	
	Gross Margin	31.97	--	32.65	--	
	Return to Unpaid Labour	(4.99)	--	(5.10)	--	
	Return to Investment	(13.53)	--	(13.81)	--	
	Return to Equity	(19.29)	--	(19.70)	--	

Investment

Buildings	126.41	--
Machinery	335.54	--
Irrigation Machinery	0.00	--
Total (incl. Land)	2115.01	--

Management

Average Yield	(Tonne/acre)	0.98	--
Expected Market Price	(\$/Tonne)	189.20	--

2015 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	157.90	--	80.79	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	1.46	--	0.75	--	
	Gross Receipts	159.36	0.00	81.54	0.00	
(B)	Cost Items					
	1. Seed	0.12	--	0.06	--	
	2. Fertilizer	0.00	--	0.00	--	
	3. Chemical	0.00	--	0.00	--	
	4. Hail/Crop Insurance Premium	0.63	--	0.32	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	8.42	--	4.31	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	4.70	--	2.41	--	
	9. Repairs - Buildings	2.50	--	1.28	--	
	10. Utilities and Miscellaneous	14.55	--	7.45	--	
	11. Custom Work	1.66	--	0.85	--	
	12. Operating Interest Paid	0.61	--	0.31	--	
	13. Paid Labour	0.16	--	0.08	--	
	14. Unpaid Labour	13.66	--	6.99	--	
	Variable Costs	47.01	0.00	24.05	0.00	
(C)	1. Cash/ Share Land Rent	26.45	--	13.53	--	
	2. Taxes, Water Rates, License & Ins.	1.82	--	0.93	--	
	3. Equipment and Building:	a) Depreciation	25.49	--	13.04	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	7.45	--	3.81	--	
	Capital Costs	61.20	0.00	31.31	0.00	
(D)	Cash Costs	69.06	--	35.33	--	
(E)	Total Production Costs	108.21	--	55.37	--	
	Gross Margin	90.30	--	46.20	--	
	Return to Unpaid Labour	64.81	--	33.16	--	
	Return to Investment	58.60	--	29.98	--	
	Return to Equity	51.15	--	26.17	--	

Investment

Buildings	66.68	--
Machinery	239.98	--
Irrigation Machinery	0.00	--
Total (incl. Land)	2749.19	--

Management

Average Yield	(Tonne/acre)	1.95	--
Expected Market Price	(\$/Tonne)	80.79	--

2015 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	249.75	--	103.69	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	0.77	--	0.32	--	
	Gross Receipts	250.52	0.00	104.01	0.00	
(B)	Cost Items					
	1. Seed	0.32	--	0.13	--	
	2. Fertilizer	0.00	--	0.00	--	
	3. Chemical	0.00	--	0.00	--	
	4. Hail/Crop Insurance Premium	0.74	--	0.31	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	12.47	--	5.18	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	5.91	--	2.45	--	
	9. Repairs - Buildings	3.34	--	1.39	--	
	10. Utilities and Miscellaneous	21.32	--	8.85	--	
	11. Custom Work	4.44	--	1.84	--	
	12. Operating Interest Paid	1.63	--	0.68	--	
	13. Paid Labour	0.43	--	0.18	--	
	14. Unpaid Labour	10.27	--	4.26	--	
Variable Costs	60.88	0.00	25.28	0.00		
(C)	1. Cash/ Share Land Rent	70.77	--	29.38	--	
	2. Taxes, Water Rates, License & Ins.	3.10	--	1.29	--	
	3. Equipment and Building:	a) Depreciation	27.66	--	11.49	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	0.00	--	0.00	--	
Capital Costs	101.53	0.00	42.15	0.00		
(D)	Cash Costs	124.47	--	51.68	--	
(E)	Total Production Costs	162.41	--	67.43	--	
	Gross Margin	126.05	--	52.33	--	
	Return to Unpaid Labour	98.39	--	40.85	--	
	Return to Investment	88.12	--	36.58	--	
	Return to Equity	88.12	--	36.58	--	

Investment

Buildings	144.74	--
Machinery	206.51	--
Irrigation Machinery	0.00	--
Total (incl. Land)	351.25	--

Management

Average Yield	(Tonne/acre)	2.41	--
Expected Market Price	(\$/Tonne)	103.69	--

2015 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	249.62	--	125.69	--	
	2. Crop Insurance Receipts	2.91	--	1.47	--	
	3. Other Receipts	0.22	--	0.11	--	
	Gross Receipts	252.75	0.00	127.27	0.00	
(B)	Cost Items					
	1. Seed	9.81	--	4.94	--	
	2. Fertilizer	12.34	--	6.21	--	
	3. Chemical	5.66	--	2.85	--	
	4. Hail/Crop Insurance Premium	1.04	--	0.52	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	31.13	--	15.68	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	15.06	--	7.58	--	
	9. Repairs - Buildings	7.52	--	3.79	--	
	10. Utilities and Miscellaneous	14.95	--	7.53	--	
	11. Custom Work	7.53	--	3.79	--	
	12. Operating Interest Paid	0.02	--	0.01	--	
	13. Paid Labour	1.31	--	0.66	--	
	14. Unpaid Labour	11.11	--	5.59	--	
Variable Costs	117.49	0.00	59.16	0.00		
(C)	1. Cash/ Share Land Rent	34.32	--	17.28	--	
	2. Taxes, Water Rates, License & Ins.	5.79	--	2.92	--	
	3. Equipment and Building:	a) Depreciation	23.45	--	11.81	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	1.17	--	0.59	--	
Capital Costs	64.73	0.00	32.60	0.00		
(D)	Cash Costs	147.66	--	74.35	--	
(E)	Total Production Costs	182.23	--	91.76	--	
	Gross Margin	105.09	--	52.92	--	
	Return to Unpaid Labour	81.63	--	41.11	--	
	Return to Investment	71.69	--	36.10	--	
	Return to Equity	70.52	--	35.51	--	

Investment

Buildings	80.25	--
Machinery	199.53	--
Irrigation Machinery	0.00	--
Total (incl. Land)	833.44	--

Management

Average Yield	(Tonne/acre)	1.99	--
Expected Market Price	(\$/Tonne)	125.69	--

2015 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	207.69	--	128.91	--	
	2. Crop Insurance Receipts	2.04	--	1.27	--	
	3. Other Receipts	0.91	--	0.57	--	
	Gross Receipts	210.65	0.00	130.74	0.00	
(B)	Cost Items					
	1. Seed	20.31	--	12.61	--	
	2. Fertilizer	51.96	--	32.25	--	
	3. Chemical	23.85	--	14.80	--	
	4. Hail/Crop Insurance Premium	3.82	--	2.37	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	53.30	--	33.08	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	11.21	--	6.96	--	
	9. Repairs - Buildings	29.98	--	18.61	--	
	10. Utilities and Miscellaneous	33.75	--	20.95	--	
	11. Custom Work	0.00	--	0.00	--	
	12. Operating Interest Paid	0.10	--	0.06	--	
	13. Paid Labour	0.31	--	0.19	--	
	14. Unpaid Labour	18.84	--	11.69	--	
	Variable Costs	247.44	0.00	153.58	0.00	
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	14.54	--	9.03	--	
	3. Equipment and Building:	a) Depreciation	61.59	--	38.23	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	4.93	--	3.06	--	
	Capital Costs	81.06	0.00	50.31	0.00	
(D)	Cash Costs	(B+C-B14-C3a)	248.07	--	153.97	--
(E)	Total Production Costs	(B+C)	328.50	--	203.89	--
	Gross Margin	(A-D)	(37.42)	--	(23.22)	--
	Return to Unpaid Labour	(A-E+B14)	(99.01)	--	(61.45)	--
	Return to Investment	(A-E+C4)	(112.92)	--	(70.09)	--
	Return to Equity	(A-E)	(117.85)	--	(73.15)	--

Investment

Buildings	154.00	--
Machinery	568.16	--
Irrigation Machinery	0.00	--
Total (incl. Land)	3053.89	--

Management

Average Yield	(Tonne/acre)	1.61	--
Expected Market Price	(\$/Tonne)	128.91	--

2015 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	321.00	385.23	57.54	52.75	
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00	
	3. Other Receipts	5.70	1.68	1.02	0.23	
	Gross Receipts	326.70	386.90	58.56	52.98	
(B)	Cost Items					
	1. Seed	21.21	20.24	3.80	2.77	
	2. Fertilizer	46.89	41.00	8.40	5.61	
	3. Chemical	12.00	24.86	2.15	3.40	
	4. Hail/Crop Insurance Premium	6.91	8.10	1.24	1.11	
	5. Trucking and Marketing	0.00	0.00	0.00	0.00	
	6. Fuel	16.48	18.62	2.95	2.55	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	4.70	4.20	0.84	0.58	
	9. Repairs - Buildings	2.25	2.14	0.40	0.29	
	10. Utilities and Miscellaneous	20.81	27.24	3.73	3.73	
	11. Custom Work	26.06	11.72	4.67	1.60	
	12. Operating Interest Paid	0.00	0.00	0.00	0.00	
	13. Paid Labour	6.63	3.17	1.19	0.43	
	14. Unpaid Labour	15.49	15.59	2.78	2.13	
	Variable Costs	179.43	176.88	32.16	24.22	
(C)	1. Cash/ Share Land Rent	27.50	5.83	4.93	0.80	
	2. Taxes, Water Rates, License & Ins.	3.71	3.82	0.67	0.52	
	3. Equipment and Building:	a) Depreciation	17.94	22.17	3.22	3.04
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	8.67	9.47	1.55	5.66	
	Capital Costs	57.82	41.30	10.36	10.01	
(D)	Cash Costs	203.82	180.42	36.53	29.06	
(E)	Total Production Costs	237.25	218.18	42.52	34.23	
	Gross Margin	122.89	206.49	22.03	23.91	
	Return to Unpaid Labour	104.95	184.31	18.81	20.88	
	Return to Investment	98.13	178.19	17.59	24.40	
	Return to Equity	89.45	168.72	16.03	18.74	

Investment

Buildings	14.11	18.04
Machinery	192.08	237.93
Irrigation Machinery	0.00	0.00
Total (incl. Land)	254.22	371.90

Management

Average Yield	(Tonne/acre)	5.58	7.30
Expected Market Price	(\$/Tonne)	57.54	52.75

2015 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	273.88	392.15	54.82	51.89	
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00	
	3. Other Receipts	8.66	1.69	1.73	0.22	
	Gross Receipts	282.54	393.84	56.55	52.12	
(B)	Cost Items					
	1. Seed	12.11	24.30	2.42	3.22	
	2. Fertilizer	36.98	40.50	7.40	5.36	
	3. Chemical	13.40	27.28	2.68	3.61	
	4. Hail/Crop Insurance Premium	5.63	8.09	1.13	1.07	
	5. Trucking and Marketing	0.00	0.00	0.00	0.00	
	6. Fuel	18.44	18.71	3.69	2.48	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	4.49	4.19	0.90	0.55	
	9. Repairs - Buildings	1.95	2.13	0.39	0.28	
	10. Utilities and Miscellaneous	22.75	28.78	4.55	3.81	
	11. Custom Work	6.60	10.93	1.32	1.45	
	12. Operating Interest Paid	0.00	0.00	0.00	0.00	
	13. Paid Labour	1.09	2.96	0.22	0.39	
	14. Unpaid Labour	15.65	15.60	3.13	2.06	
	Variable Costs	139.09	183.46	27.84	24.28	
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00	
	2. Taxes, Water Rates, License & Ins.	5.02	6.61	1.00	0.87	
	3. Equipment and Building:	a) Depreciation	20.20	22.31	4.04	2.95
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	14.04	9.63	2.81	5.10	
	Capital Costs	39.26	38.56	7.86	8.93	
(D)	Cash Costs	142.50	184.11	28.52	28.19	
(E)	Total Production Costs	178.35	222.02	35.70	33.21	
	Gross Margin	140.04	209.73	28.03	23.93	
	Return to Unpaid Labour	119.83	187.42	23.98	20.97	
	Return to Investment	118.22	181.45	23.66	24.01	
	Return to Equity	104.18	171.82	20.85	18.91	

Investment

Buildings	16.66	18.18
Machinery	216.99	239.43
Irrigation Machinery	0.00	0.00
Total (incl. Land)	4035.23	4176.59

Management

Average Yield	(Tonne/acre)	5.00	7.56
Expected Market Price	(\$/Tonne)	54.82	51.89

2015 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	397.13	--	60.90	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	0.92	--	0.14	--	
	Gross Receipts	398.05	0.00	61.04	0.00	
(B)	Cost Items					
	1. Seed	35.91	--	5.51	--	
	2. Fertilizer	62.90	--	9.65	--	
	3. Chemical	9.75	--	1.50	--	
	4. Hail/Crop Insurance Premium	8.97	--	1.38	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	13.31	--	2.04	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	5.05	--	0.77	--	
	9. Repairs - Buildings	2.72	--	0.42	--	
	10. Utilities and Miscellaneous	17.68	--	2.71	--	
	11. Custom Work	57.49	--	8.82	--	
	12. Operating Interest Paid	0.00	--	0.00	--	
	13. Paid Labour	15.57	--	2.39	--	
	14. Unpaid Labour	15.23	--	2.34	--	
Variable Costs	244.60	0.00	37.51	0.00		
(C)	1. Cash/ Share Land Rent	71.91	--	11.03	--	
	2. Taxes, Water Rates, License & Ins.	1.60	--	0.24	--	
	3. Equipment and Building:	a) Depreciation	14.28	--	2.19	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	0.00	--	0.00	--	
Capital Costs	87.79	0.00	13.46	0.00		
(D)	Cash Costs	302.87	--	46.45	--	
(E)	Total Production Costs	332.39	--	50.97	--	
	Gross Margin	95.18	--	14.60	--	
	Return to Unpaid Labour	80.90	--	12.41	--	
	Return to Investment	65.66	--	10.07	--	
	Return to Equity	65.66	--	10.07	--	

Investment

Buildings	9.99	--
Machinery	151.84	--
Irrigation Machinery	0.00	--
Total (incl. Land)	161.83	--

Management

Average Yield	(Tonne/acre)	6.52	--
Expected Market Price	(\$/Tonne)	60.90	--

2015 Crop Enterprise Analysis

AgriProfit\$

Crop: **Grain Straw - General/Bedding - All**
 Soil Zone: **Black - Dryland**
 Unit: **Tonne**

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	38.83	--	43.27	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	1.69	--	1.88	--
	Gross Receipts	40.52	0.00	45.15	0.00
(B)	Cost Items				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	0.00	--	0.00	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	3.00	--	3.34	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	4.19	--	4.66	--
	9. Repairs - Buildings	2.13	--	2.37	--
	10. Utilities and Miscellaneous	10.84	--	12.09	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	0.00	--	0.00	--
	13. Paid Labour	2.94	--	3.27	--
14. Unpaid Labour	15.60	--	17.38	--	
	Variable Costs	38.69	0.00	43.12	0.00
(C)	1. Cash/ Share Land Rent	14.51	--	16.17	--
	2. Taxes, Water Rates, License & Ins.	1.16	--	1.29	--
	3. Equipment and Building: a) Depreciation	22.32	--	24.88	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	0.00	--	0.00	--	
	Capital Costs	37.99	0.00	42.34	0.00
(D)	Cash Costs (B+C-B14-C3a)	38.76	--	43.20	--
(E)	Total Production Costs (B+C)	76.68	--	85.46	--
	Gross Margin (A-D)	1.75	--	1.96	--
	Return to Unpaid Labour (A-E+B14)	(20.57)	--	(22.92)	--
	Return to Investment (A-E+C4)	(36.17)	--	(40.31)	--
	Return to Equity (A-E)	(36.17)	--	(40.31)	--

Investment

Buildings	18.19	--
Machinery	239.55	--
Irrigation Machinery	0.00	--
Total (incl. Land)	257.75	--

Management

Average Yield (Tonne/acre)	0.90	--
Expected Market Price (\$/Tonne)	43.27	--

2015 Crop Enterprise Analysis

AgriProfit\$

Crop: Grain Straw - General/Bedding - Rent
Soil Zone: Black - Dryland
Unit: Tonne

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	38.83	--	43.27	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	1.69	--	1.88	--
	Gross Receipts	40.52	0.00	45.15	0.00
(B)	Cost Items				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	0.00	--	0.00	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	3.00	--	3.34	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	4.19	--	4.66	--
	9. Repairs - Buildings	2.13	--	2.37	--
	10. Utilities and Miscellaneous	10.84	--	12.09	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	0.00	--	0.00	--
	13. Paid Labour	2.94	--	3.27	--
14. Unpaid Labour	15.60	--	17.38	--	
	Variable Costs	38.69	0.00	43.12	0.00
(C)	1. Cash/ Share Land Rent	14.51	--	16.17	--
	2. Taxes, Water Rates, License & Ins.	1.16	--	1.29	--
	3. Equipment and Building: a) Depreciation	22.32	--	24.88	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	0.00	--	0.00	--	
	Capital Costs	37.99	0.00	42.34	0.00
(D)	Cash Costs (B+C-B14-C3a)	38.76	--	43.20	--
(E)	Total Production Costs (B+C)	76.68	--	85.46	--
	Gross Margin (A-D)	1.75	--	1.96	--
	Return to Unpaid Labour (A-E+B14)	(20.57)	--	(22.92)	--
	Return to Investment (A-E+C4)	(36.17)	--	(40.31)	--
	Return to Equity (A-E)	(36.17)	--	(40.31)	--

Investment

Buildings	18.19	--
Machinery	239.55	--
Irrigation Machinery	0.00	--
Total (incl. Land)	257.75	--

Management

Average Yield (Tonne/acre)	0.90	--
Expected Market Price (\$/Tonne)	43.27	--

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 AF
 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