

AgriProfit\$

2015

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

Grey Wooded Soil Zone

Alberta 
Government



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2015 Grey Wooded Soil Zone

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OVERVIEW

2015 Grey Wooded 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.

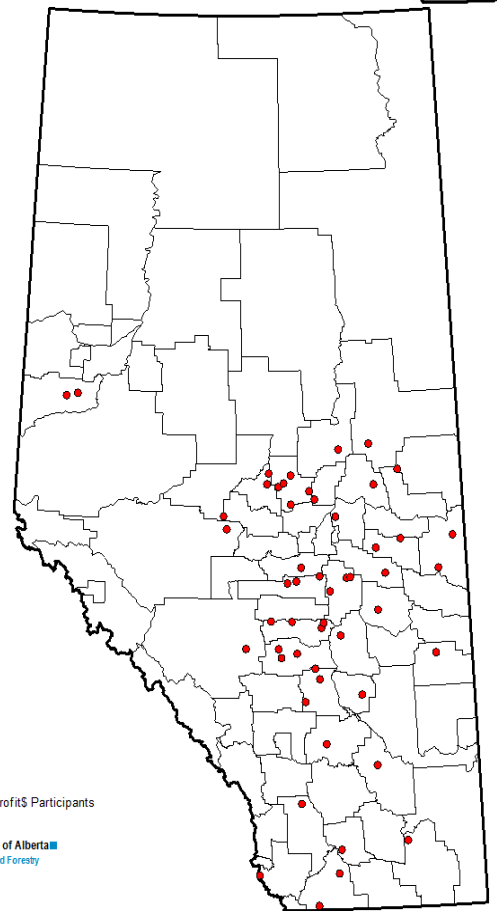
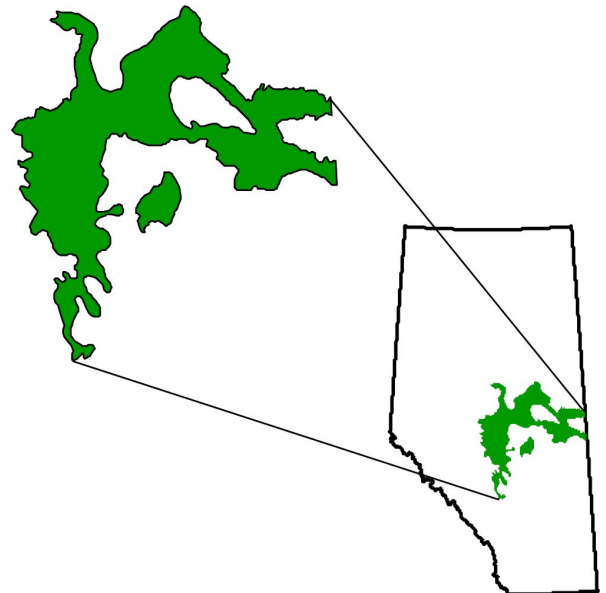
The top map shows the Grey Wooded Soil Zone in Alberta; this is the grouping method used for this study. Please note that farms highlighted within these zones may contain characteristics of neighbouring soil zones. The map on the bottom shows the distribution of the 2015 participants.

Questions or Comments:

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2015 AgriProfit\$ Participants
Dryland
Government of Alberta
Agriculture and Forestry

2015 Crop Enterprise Analysis

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Crop: CPS Wheat - All
Soil Zone: Grey Wooded - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	256.44	306.21	6.02	6.50	
	2. Crop Insurance Receipts	14.29	2.14	0.34	0.05	
	3. Other Receipts	25.27	36.69	0.59	0.78	
	Gross Receipts	296.00	345.04	6.95	7.33	
(B)	Cost Items					
	1. Seed	22.92	25.04	0.54	0.53	
	2. Fertilizer	74.95	67.06	1.76	1.42	
	3. Chemical	15.27	22.20	0.36	0.47	
	4. Hail/Crop Insurance Premium	16.66	5.01	0.39	0.11	
	5. Trucking and Marketing	11.15	8.07	0.26	0.17	
	6. Fuel	16.84	15.57	0.40	0.33	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	45.17	33.39	1.06	0.71	
	9. Repairs - Buildings	0.00	0.00	0.00	0.00	
	10. Utilities and Miscellaneous	6.96	5.53	0.16	0.12	
	11. Custom Work	7.60	2.93	0.18	0.06	
	12. Operating Interest Paid	1.01	0.39	0.02	0.01	
	13. Paid Labour	3.72	0.00	0.09	0.00	
	14. Unpaid Labour	15.10	20.64	0.35	0.44	
	Variable Costs	237.35	205.83	5.57	4.37	
(C)	1. Cash/ Share Land Rent	16.92	0.16	0.40	0.00	
	2. Taxes, Water Rates, License & Ins.	3.85	5.68	0.09	0.12	
	3. Equipment and Building:	a) Depreciation	39.39	48.95	0.92	1.04
		b) Lease Payments	0.76	1.42	0.02	0.03
	4. Paid Capital Interest	4.44	4.47	0.10	1.29	
	Capital Costs	65.36	60.68	1.53	2.48	
(D)	Cash Costs	(B+C-B14-C3a)	248.23	196.92	5.83	5.37
(E)	Total Production Costs	(B+C)	302.71	266.52	7.11	6.85
	Gross Margin	(A-D)	47.77	148.11	1.12	1.95
	Return to Unpaid Labour	(A-E+B14)	8.39	99.16	0.20	0.91
	Return to Investment	(A-E+C4)	(2.27)	82.99	(0.05)	1.76
	Return to Equity	(A-E)	(6.71)	78.52	(0.16)	0.47

Investment

Buildings	125.33	149.15
Machinery	383.79	476.54
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1366.48	2404.99

Management

Average Yield	(Bushel/acre)	42.59	47.10
Expected Market Price	(\$/Bushel)	6.02	6.50

2015 Crop Enterprise Analysis

AgriProfit\$

Crop: CPS Wheat - Own
Soil Zone: Grey Wooded - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	319.16	--	6.31	--	
	2. Crop Insurance Receipts	12.85	--	0.25	--	
	3. Other Receipts	32.81	--	0.65	--	
	Gross Receipts	364.82	0.00	7.22	0.00	
(B)	Cost Items					
	1. Seed	24.43	--	0.48	--	
	2. Fertilizer	81.21	--	1.61	--	
	3. Chemical	20.79	--	0.41	--	
	4. Hail/Crop Insurance Premium	14.03	--	0.28	--	
	5. Trucking and Marketing	13.70	--	0.27	--	
	6. Fuel	20.75	--	0.41	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	41.53	--	0.82	--	
	9. Repairs - Buildings	0.00	--	0.00	--	
	10. Utilities and Miscellaneous	7.97	--	0.16	--	
	11. Custom Work	6.57	--	0.13	--	
	12. Operating Interest Paid	1.15	--	0.02	--	
	13. Paid Labour	3.43	--	0.07	--	
	14. Unpaid Labour	11.64	--	0.23	--	
	Variable Costs	247.20	0.00	4.89	0.00	
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	6.92	--	0.14	--	
	3. Equipment and Building:	a) Depreciation	45.79	--	0.91	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	7.70	--	0.15	--	
	Capital Costs	60.41	0.00	1.19	0.00	
(D)	Cash Costs	(B+C-B14-C3a)	250.18	--	4.95	
(E)	Total Production Costs	(B+C)	307.61	--	6.08	
	Gross Margin	(A-D)	114.64	--	2.27	
	Return to Unpaid Labour	(A-E+B14)	68.85	--	1.36	
	Return to Investment	(A-E+C4)	64.90	--	1.28	
	Return to Equity	(A-E)	57.20	--	1.13	

Investment

Buildings	144.24	--
Machinery	444.93	--
Irrigation Machinery	0.00	--
Total (incl. Land)	2694.84	--

Management

Average Yield	(Bushel/acre)	50.56	--
Expected Market Price	(\$/Bushel)	6.31	--

2015 Crop Enterprise Analysis

AgriProfit\$

Crop: CPS Wheat - Rent
Soil Zone: Grey Wooded - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	213.37	--	5.75	--	
	2. Crop Insurance Receipts	15.27	--	0.41	--	
	3. Other Receipts	20.10	--	0.54	--	
	Gross Receipts	248.74	0.00	6.70	0.00	
(B)	Cost Items					
	1. Seed	21.89	--	0.59	--	
	2. Fertilizer	70.64	--	1.90	--	
	3. Chemical	11.48	--	0.31	--	
	4. Hail/Crop Insurance Premium	18.47	--	0.50	--	
	5. Trucking and Marketing	9.40	--	0.25	--	
	6. Fuel	14.15	--	0.38	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	47.68	--	1.28	--	
	9. Repairs - Buildings	0.00	--	0.00	--	
	10. Utilities and Miscellaneous	6.27	--	0.17	--	
	11. Custom Work	8.30	--	0.22	--	
	12. Operating Interest Paid	0.91	--	0.02	--	
	13. Paid Labour	3.92	--	0.11	--	
	14. Unpaid Labour	17.47	--	0.47	--	
Variable Costs	230.59	0.00	6.21	0.00		
(C)	1. Cash/ Share Land Rent	28.55	--	0.77	--	
	2. Taxes, Water Rates, License & Ins.	1.73	--	0.05	--	
	3. Equipment and Building:	a) Depreciation	34.99	--	0.94	--
		b) Lease Payments	1.29	--	0.03	--
	4. Paid Capital Interest	2.20	--	0.06	--	
Capital Costs	68.76	0.00	1.85	0.00		
(D)	Cash Costs	(B+C-B14-C3a)	246.88	--	6.65	--
(E)	Total Production Costs	(B+C)	299.34	--	8.06	--
	Gross Margin	(A-D)	1.85	--	0.05	--
	Return to Unpaid Labour	(A-E+B14)	(33.14)	--	(0.89)	--
	Return to Investment	(A-E+C4)	(48.41)	--	(1.30)	--
	Return to Equity	(A-E)	(50.61)	--	(1.36)	--

Investment

Buildings	112.34	--
Machinery	341.79	--
Irrigation Machinery	0.00	--
Total (incl. Land)	454.14	--

Management

Average Yield	(Bushel/acre)	37.12	--
Expected Market Price	(\$/Bushel)	5.75	--

2015 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	363.29	--	4.02	--	
	2. Crop Insurance Receipts	36.69	--	0.41	--	
	3. Other Receipts	29.30	--	0.32	--	
	Gross Receipts	429.28	0.00	4.75	0.00	
(B)	Cost Items					
	1. Seed	18.05	--	0.20	--	
	2. Fertilizer	76.57	--	0.85	--	
	3. Chemical	17.61	--	0.19	--	
	4. Hail/Crop Insurance Premium	19.47	--	0.22	--	
	5. Trucking and Marketing	12.61	--	0.14	--	
	6. Fuel	26.02	--	0.29	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	69.98	--	0.77	--	
	9. Repairs - Buildings	0.25	--	0.00	--	
	10. Utilities and Miscellaneous	23.78	--	0.26	--	
	11. Custom Work	11.97	--	0.13	--	
	12. Operating Interest Paid	0.45	--	0.01	--	
	13. Paid Labour	5.31	--	0.06	--	
	14. Unpaid Labour	5.49	--	0.06	--	
Variable Costs	287.56	0.00	3.18	0.00		
(C)	1. Cash/ Share Land Rent	34.72	--	0.38	--	
	2. Taxes, Water Rates, License & Ins.	4.13	--	0.05	--	
	3. Equipment and Building:	a) Depreciation	73.08	--	0.81	--
		b) Lease Payments	8.36	--	0.09	--
	4. Paid Capital Interest	2.08	--	0.02	--	
Capital Costs	122.36	0.00	1.35	0.00		
(D)	Cash Costs	(B+C-B14-C3a)	331.35	--	3.66	--
(E)	Total Production Costs	(B+C)	409.92	--	4.53	--
	Gross Margin	(A-D)	97.93	--	1.08	--
	Return to Unpaid Labour	(A-E+B14)	24.85	--	0.27	--
	Return to Investment	(A-E+C4)	21.43	--	0.24	--
	Return to Equity	(A-E)	19.36	--	0.21	--

Investment

Buildings	197.15	--
Machinery	752.27	--
Irrigation Machinery	0.00	--
Total (incl. Land)	2057.81	--

Management

Average Yield	(Bushel/acre)	90.45	--
Expected Market Price	(\$/Bushel)	4.02	--

2015 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	422.65	--	4.18	--	
	2. Crop Insurance Receipts	38.69	--	0.38	--	
	3. Other Receipts	19.03	--	0.19	--	
	Gross Receipts	480.38	0.00	4.75	0.00	
(B)	Cost Items					
	1. Seed	20.79	--	0.21	--	
	2. Fertilizer	54.34	--	0.54	--	
	3. Chemical	10.06	--	0.10	--	
	4. Hail/Crop Insurance Premium	16.59	--	0.16	--	
	5. Trucking and Marketing	14.62	--	0.14	--	
	6. Fuel	21.98	--	0.22	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	28.04	--	0.28	--	
	9. Repairs - Buildings	0.26	--	0.00	--	
	10. Utilities and Miscellaneous	25.38	--	0.25	--	
	11. Custom Work	9.54	--	0.09	--	
	12. Operating Interest Paid	1.06	--	0.01	--	
	13. Paid Labour	8.10	--	0.08	--	
	14. Unpaid Labour	4.99	--	0.05	--	
Variable Costs	215.75	0.00	2.13	0.00		
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	5.65	--	0.06	--	
	3. Equipment and Building:	a) Depreciation	50.09	--	0.50	--
		b) Lease Payments	8.81	--	0.09	--
	4. Paid Capital Interest	4.86	--	0.05	--	
Capital Costs	69.41	0.00	0.69	0.00		
(D)	Cash Costs (B+C-B14-C3a)	230.09	--	2.28	--	
(E)	Total Production Costs (B+C)	285.16	--	2.82	--	
	Gross Margin (A-D)	250.29	--	2.48	--	
	Return to Unpaid Labour (A-E+B14)	200.20	--	1.98	--	
	Return to Investment (A-E+C4)	200.07	--	1.98	--	
	Return to Equity (A-E)	195.21	--	1.93	--	

Investment

Buildings	110.83	--
Machinery	532.75	--
Irrigation Machinery	0.00	--
Total (incl. Land)	3236.44	--

Management

Average Yield (Bushel/acre)	101.07	--
Expected Market Price (\$/Bushel)	4.18	--

2015 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	318.97	--	3.87	--
	2. Crop Insurance Receipts	35.19	--	0.43	--
	3. Other Receipts	36.96	--	0.45	--
	Gross Receipts	391.12	0.00	4.74	0.00
(B)	Cost Items				
	1. Seed	16.01	--	0.19	--
	2. Fertilizer	93.16	--	1.13	--
	3. Chemical	23.25	--	0.28	--
	4. Hail/Crop Insurance Premium	21.62	--	0.26	--
	5. Trucking and Marketing	11.11	--	0.13	--
	6. Fuel	29.03	--	0.35	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	101.30	--	1.23	--
	9. Repairs - Buildings	0.24	--	0.00	--
	10. Utilities and Miscellaneous	22.58	--	0.27	--
	11. Custom Work	13.78	--	0.17	--
	12. Operating Interest Paid	0.00	--	0.00	--
	13. Paid Labour	3.22	--	0.04	--
	14. Unpaid Labour	5.87	--	0.07	--
	Variable Costs	341.17	0.00	4.13	0.00
(C)	1. Cash/ Share Land Rent	60.64	--	0.73	--
	2. Taxes, Water Rates, License & Ins.	2.99	--	0.04	--
	3. Equipment and Building: a) Depreciation	90.24	--	1.09	--
	b) Lease Payments	8.02	--	0.10	--
4. Paid Capital Interest	0.00	--	0.00	--	
	Capital Costs	161.89	0.00	1.96	0.00
(D)	Cash Costs (B+C-B14-C3a)	406.96	--	4.93	--
(E)	Total Production Costs (B+C)	503.07	--	6.10	--
	Gross Margin (A-D)	(15.84)	--	(0.19)	--
	Return to Unpaid Labour (A-E+B14)	(106.08)	--	(1.29)	--
	Return to Investment (A-E+C4)	(111.95)	--	(1.36)	--
	Return to Equity (A-E)	(111.95)	--	(1.36)	--

Investment

Buildings	261.59	--
Machinery	916.18	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1177.77	--

Management

Average Yield (Bushel/acre)	82.52	--
Expected Market Price (\$/Bushel)	3.87	--

2015 Crop Enterprise Analysis

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Crop: **Oats - All**
 Soil Zone: **Grey Wooded - Dryland**
 Unit: **Bushel**

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	282.14	--	3.12	--	
	2. Crop Insurance Receipts	26.91	--	0.30	--	
	3. Other Receipts	55.14	--	0.61	--	
	Gross Receipts	364.19	0.00	4.03	0.00	
(B)	Cost Items					
	1. Seed	14.23	--	0.16	--	
	2. Fertilizer	42.21	--	0.47	--	
	3. Chemical	10.04	--	0.11	--	
	4. Hail/Crop Insurance Premium	1.60	--	0.02	--	
	5. Trucking and Marketing	9.47	--	0.10	--	
	6. Fuel	16.97	--	0.19	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	13.12	--	0.15	--	
	9. Repairs - Buildings	1.11	--	0.01	--	
	10. Utilities and Miscellaneous	12.23	--	0.14	--	
	11. Custom Work	2.07	--	0.02	--	
	12. Operating Interest Paid	4.72	--	0.05	--	
	13. Paid Labour	9.26	--	0.10	--	
	14. Unpaid Labour	19.41	--	0.21	--	
Variable Costs	156.44	0.00	1.73	0.00		
(C)	1. Cash/ Share Land Rent	21.71	--	0.24	--	
	2. Taxes, Water Rates, License & Ins.	8.71	--	0.10	--	
	3. Equipment and Building:	a) Depreciation	52.96	--	0.59	--
		b) Lease Payments	0.53	--	0.01	--
	4. Paid Capital Interest	7.70	--	0.09	--	
Capital Costs	91.61	0.00	1.01	0.00		
(D)	Cash Costs	175.68	--	1.94	--	
(E)	Total Production Costs	248.05	--	2.74	--	
	Gross Margin	188.52	--	2.08	--	
	Return to Unpaid Labour	135.56	--	1.50	--	
	Return to Investment	123.84	--	1.37	--	
	Return to Equity	116.14	--	1.28	--	

Investment

Buildings	179.82	--
Machinery	512.88	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1265.66	--

Management

Average Yield	(Bushel/acre)	90.42	--
Expected Market Price	(\$/Bushel)	3.12	--

2015 Crop Enterprise Analysis

AgriProfit\$

Crop: Oats - Rent
Soil Zone: Grey Wooded - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	269.28	--	3.13	--	
	2. Crop Insurance Receipts	43.67	--	0.51	--	
	3. Other Receipts	47.46	--	0.55	--	
	Gross Receipts	360.41	0.00	4.19	0.00	
(B)	Cost Items					
	1. Seed	14.81	--	0.17	--	
	2. Fertilizer	34.06	--	0.40	--	
	3. Chemical	5.32	--	0.06	--	
	4. Hail/Crop Insurance Premium	2.59	--	0.03	--	
	5. Trucking and Marketing	6.19	--	0.07	--	
	6. Fuel	15.81	--	0.18	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	15.30	--	0.18	--	
	9. Repairs - Buildings	1.76	--	0.02	--	
	10. Utilities and Miscellaneous	13.43	--	0.16	--	
	11. Custom Work	3.35	--	0.04	--	
	12. Operating Interest Paid	6.78	--	0.08	--	
	13. Paid Labour	8.79	--	0.10	--	
	14. Unpaid Labour	25.44	--	0.30	--	
Variable Costs	153.64	0.00	1.79	0.00		
(C)	1. Cash/ Share Land Rent	35.24	--	0.41	--	
	2. Taxes, Water Rates, License & Ins.	10.22	--	0.12	--	
	3. Equipment and Building:	a) Depreciation	60.87	--	0.71	--
		b) Lease Payments	0.86	--	0.01	--
	4. Paid Capital Interest	8.79	--	0.10	--	
Capital Costs	115.98	0.00	1.35	0.00		
(D)	Cash Costs	(B+C-B14-C3a)	183.31	--	2.13	--
(E)	Total Production Costs	(B+C)	269.62	--	3.14	--
	Gross Margin	(A-D)	177.10	--	2.06	--
	Return to Unpaid Labour	(A-E+B14)	116.23	--	1.35	--
	Return to Investment	(A-E+C4)	99.57	--	1.16	--
	Return to Equity	(A-E)	90.79	--	1.06	--

Investment

Buildings	211.80	--
Machinery	589.51	--
Irrigation Machinery	0.00	--
Total (incl. Land)	801.31	--

Management

Average Yield	(Bushel/acre)	85.95	--
Expected Market Price	(\$/Bushel)	3.13	--

2015 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	472.63	--	10.09	--	
	2. Crop Insurance Receipts	44.67	--	0.95	--	
	3. Other Receipts	1.03	--	0.02	--	
	Gross Receipts	518.33	0.00	11.07	0.00	
(B)	Cost Items					
	1. Seed	53.10	--	1.13	--	
	2. Fertilizer	54.12	--	1.16	--	
	3. Chemical	24.65	--	0.53	--	
	4. Hail/Crop Insurance Premium	17.10	--	0.37	--	
	5. Trucking and Marketing	7.14	--	0.15	--	
	6. Fuel	15.31	--	0.33	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	15.35	--	0.33	--	
	9. Repairs - Buildings	0.30	--	0.01	--	
	10. Utilities and Miscellaneous	23.61	--	0.50	--	
	11. Custom Work	5.03	--	0.11	--	
	12. Operating Interest Paid	0.00	--	0.00	--	
	13. Paid Labour	4.08	--	0.09	--	
	14. Unpaid Labour	16.12	--	0.34	--	
Variable Costs	235.92	0.00	5.04	0.00		
(C)	1. Cash/ Share Land Rent	21.58	--	0.46	--	
	2. Taxes, Water Rates, License & Ins.	2.69	--	0.06	--	
	3. Equipment and Building:	a) Depreciation	55.70	--	1.19	--
		b) Lease Payments	12.09	--	0.26	--
	4. Paid Capital Interest	0.04	--	0.00	--	
Capital Costs	92.10	0.00	1.97	0.00		
(D)	Cash Costs	256.19	--	5.47	--	
(E)	Total Production Costs	328.02	--	7.00	--	
	Gross Margin	262.13	--	5.60	--	
	Return to Unpaid Labour	206.43	--	4.41	--	
	Return to Investment	190.35	--	4.06	--	
	Return to Equity	190.31	--	4.06	--	

Investment

Buildings	114.47	--
Machinery	595.51	--
Irrigation Machinery	0.00	--
Total (incl. Land)	1614.88	--

Management

Average Yield	(Bushel/acre)	46.84	--
Expected Market Price	(\$/Bushel)	10.09	--

2015 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	444.30	--	10.12	--
	2. Crop Insurance Receipts	36.21	--	0.82	--
	3. Other Receipts	0.87	--	0.02	--
	Gross Receipts	481.38	0.00	10.96	0.00
(B)	Cost Items				
	1. Seed	51.59	--	1.17	--
	2. Fertilizer	51.02	--	1.16	--
	3. Chemical	22.95	--	0.52	--
	4. Hail/Crop Insurance Premium	16.90	--	0.38	--
	5. Trucking and Marketing	5.78	--	0.13	--
	6. Fuel	12.41	--	0.28	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	12.44	--	0.28	--
	9. Repairs - Buildings	0.24	--	0.01	--
	10. Utilities and Miscellaneous	19.21	--	0.44	--
	11. Custom Work	4.08	--	0.09	--
	12. Operating Interest Paid	0.00	--	0.00	--
	13. Paid Labour	3.31	--	0.08	--
	14. Unpaid Labour	19.65	--	0.45	--
	Variable Costs	219.60	0.00	5.00	0.00
(C)	1. Cash/ Share Land Rent	28.05	--	0.64	--
	2. Taxes, Water Rates, License & Ins.	1.61	--	0.04	--
	3. Equipment and Building: a) Depreciation	48.74	--	1.11	--
	b) Lease Payments	10.58	--	0.24	--
4. Paid Capital Interest	0.05	--	0.00	--	
	Capital Costs	89.03	0.00	2.03	0.00
(D)	Cash Costs (B+C-B14-C3a)	240.23	--	5.47	--
(E)	Total Production Costs (B+C)	308.63	--	7.03	--
	Gross Margin (A-D)	241.14	--	5.49	--
	Return to Unpaid Labour (A-E+B14)	192.40	--	4.38	--
	Return to Investment (A-E+C4)	172.79	--	3.93	--
	Return to Equity (A-E)	172.75	--	3.93	--

Investment

Buildings	101.06	--
Machinery	518.54	--
Irrigation Machinery	0.00	--
Total (incl. Land)	619.60	--

Management

Average Yield (Bushel/acre)	43.92	--
Expected Market Price (\$/Bushel)	10.12	--

2015 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	390.07	418.18	10.38	10.40	
	2. Crop Insurance Receipts	15.71	0.00	0.42	0.00	
	3. Other Receipts	6.37	0.06	0.17	0.00	
	Gross Receipts	412.16	418.24	10.96	10.40	
(B)	Cost Items					
	1. Seed	43.45	43.00	1.16	1.07	
	2. Fertilizer	104.37	107.32	2.78	2.67	
	3. Chemical	9.50	11.00	0.25	0.27	
	4. Hail/Crop Insurance Premium	24.00	18.10	0.64	0.45	
	5. Trucking and Marketing	14.34	16.66	0.38	0.41	
	6. Fuel	16.02	14.84	0.43	0.37	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	26.75	3.60	0.71	0.09	
	9. Repairs - Buildings	0.14	0.18	0.00	0.00	
	10. Utilities and Miscellaneous	8.35	9.01	0.22	0.22	
	11. Custom Work	2.64	0.00	0.07	0.00	
	12. Operating Interest Paid	1.74	2.25	0.05	0.06	
	13. Paid Labour	18.28	23.67	0.49	0.59	
	14. Unpaid Labour	6.81	3.51	0.18	0.09	
	Variable Costs	276.39	253.15	7.35	6.30	
(C)	1. Cash/ Share Land Rent	4.96	0.00	0.13	0.00	
	2. Taxes, Water Rates, License & Ins.	5.85	5.05	0.16	0.13	
	3. Equipment and Building:	a) Depreciation	31.35	20.27	0.83	0.50
		b) Lease Payments	0.30	0.00	0.01	0.00
	4. Paid Capital Interest	1.18	1.52	0.03	0.67	
	Capital Costs	43.64	26.84	1.16	1.30	
(D)	Cash Costs	281.88	256.20	7.50	7.00	
(E)	Total Production Costs	320.03	279.98	8.51	7.59	
	Gross Margin	130.28	162.04	3.47	3.40	
	Return to Unpaid Labour	98.93	141.77	2.63	2.90	
	Return to Investment	93.30	139.78	2.48	3.48	
	Return to Equity	92.12	138.26	2.45	2.81	

Investment

Buildings	117.50	82.84
Machinery	302.99	194.91
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1785.33	1215.75

Management

Average Yield	(Bushel/acre)	37.59	40.21
Expected Market Price	(\$/Bushel)	10.38	10.40

2015 Crop Enterprise Analysis

AgriProfit\$

Crop: Roundup Ready Canola - Own
Soil Zone: Grey Wooded - Dryland
Unit: Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	405.42	--	10.42	--	
	2. Crop Insurance Receipts	15.20	--	0.39	--	
	3. Other Receipts	3.76	--	0.10	--	
	Gross Receipts	424.39	0.00	10.90	0.00	
(B)	Cost Items					
	1. Seed	44.65	--	1.15	--	
	2. Fertilizer	110.71	--	2.84	--	
	3. Chemical	9.36	--	0.24	--	
	4. Hail/Crop Insurance Premium	25.82	--	0.66	--	
	5. Trucking and Marketing	15.24	--	0.39	--	
	6. Fuel	17.72	--	0.46	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	33.52	--	0.86	--	
	9. Repairs - Buildings	0.14	--	0.00	--	
	10. Utilities and Miscellaneous	8.59	--	0.22	--	
	11. Custom Work	3.37	--	0.09	--	
	12. Operating Interest Paid	1.81	--	0.05	--	
	13. Paid Labour	18.97	--	0.49	--	
	14. Unpaid Labour	4.83	--	0.12	--	
	Variable Costs	294.75	0.00	7.57	0.00	
(C)	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	6.59	--	0.17	--	
	3. Equipment and Building:	a) Depreciation	34.55	--	0.89	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	1.22	--	0.03	--	
	Capital Costs	42.36	0.00	1.09	0.00	
(D)	Cash Costs	297.73	--	7.65	--	
(E)	Total Production Costs	337.11	--	8.66	--	
	Gross Margin	126.66	--	3.25	--	
	Return to Unpaid Labour	92.10	--	2.37	--	
	Return to Investment	88.50	--	2.27	--	
	Return to Equity	87.28	--	2.24	--	

Investment

Buildings	130.76	--
Machinery	333.53	--
Irrigation Machinery	0.00	--
Total (incl. Land)	2208.24	--

Management

Average Yield	(Bushel/acre)	38.92	--
Expected Market Price	(\$/Bushel)	10.42	--

2015 Crop Enterprise Analysis

AgriProfit\$

Crop: Underseeded Other - All
Soil Zone: Grey Wooded - Dryland
Unit: Tonne

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	291.08	--	4.92	--	
	2. Crop Insurance Receipts	21.52	--	0.36	--	
	3. Other Receipts	8.51	--	0.14	--	
	Gross Receipts	321.11	0.00	5.43	0.00	
(B)	Cost Items					
	1. Seed	67.11	--	1.14	--	
	2. Fertilizer	88.36	--	1.49	--	
	3. Chemical	0.00	--	0.00	--	
	4. Hail/Crop Insurance Premium	22.90	--	0.39	--	
	5. Trucking and Marketing	15.75	--	0.27	--	
	6. Fuel	16.27	--	0.28	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	27.52	--	0.47	--	
	9. Repairs - Buildings	0.00	--	0.00	--	
	10. Utilities and Miscellaneous	8.50	--	0.14	--	
	11. Custom Work	3.73	--	0.06	--	
	12. Operating Interest Paid	1.98	--	0.03	--	
	13. Paid Labour	8.53	--	0.14	--	
	14. Unpaid Labour	9.31	--	0.16	--	
	Variable Costs	269.96	0.00	4.57	0.00	
(C)	1. Cash/ Share Land Rent	20.85	--	0.35	--	
	2. Taxes, Water Rates, License & Ins.	2.55	--	0.04	--	
	3. Equipment and Building:	a) Depreciation	17.67	--	0.30	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	4.72	--	0.08	--	
	Capital Costs	45.79	0.00	0.77	0.00	
(D)	Cash Costs	(B+C-B14-C3a)	288.77	--	4.88	
(E)	Total Production Costs	(B+C)	315.75	--	5.34	
	Gross Margin	(A-D)	32.34	--	0.55	
	Return to Unpaid Labour	(A-E+B14)	14.67	--	0.25	
	Return to Investment	(A-E+C4)	10.07	--	0.17	
	Return to Equity	(A-E)	5.36	--	0.09	

Investment

Buildings	54.58	--
Machinery	173.62	--
Irrigation Machinery	0.00	--
Total (incl. Land)	228.19	--

Management

Average Yield	(Tonne/acre)	59.12	--
Expected Market Price	(\$/Tonne)	4.92	--

2015 Crop Enterprise Analysis

AgriProfit\$

Crop: Underseeded Other - Rent
Soil Zone: Grey Wooded - Dryland
Unit: Tonne

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	291.08	--	4.92	--	
	2. Crop Insurance Receipts	21.52	--	0.36	--	
	3. Other Receipts	8.51	--	0.14	--	
	Gross Receipts	321.11	0.00	5.43	0.00	
(B)	Cost Items					
	1. Seed	67.11	--	1.14	--	
	2. Fertilizer	88.36	--	1.49	--	
	3. Chemical	0.00	--	0.00	--	
	4. Hail/Crop Insurance Premium	22.90	--	0.39	--	
	5. Trucking and Marketing	15.75	--	0.27	--	
	6. Fuel	16.27	--	0.28	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	27.52	--	0.47	--	
	9. Repairs - Buildings	0.00	--	0.00	--	
	10. Utilities and Miscellaneous	8.50	--	0.14	--	
	11. Custom Work	3.73	--	0.06	--	
	12. Operating Interest Paid	1.98	--	0.03	--	
	13. Paid Labour	8.53	--	0.14	--	
	14. Unpaid Labour	9.31	--	0.16	--	
Variable Costs	269.96	0.00	4.57	0.00		
(C)	1. Cash/ Share Land Rent	20.85	--	0.35	--	
	2. Taxes, Water Rates, License & Ins.	2.55	--	0.04	--	
	3. Equipment and Building:	a) Depreciation	17.67	--	0.30	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	4.72	--	0.08	--	
Capital Costs	45.79	0.00	0.77	0.00		
(D)	Cash Costs	(B+C-B14-C3a)	288.77	--	4.88	--
(E)	Total Production Costs	(B+C)	315.75	--	5.34	--
	Gross Margin	(A-D)	32.34	--	0.55	--
	Return to Unpaid Labour	(A-E+B14)	14.67	--	0.25	--
	Return to Investment	(A-E+C4)	10.07	--	0.17	--
	Return to Equity	(A-E)	5.36	--	0.09	--

Investment

Buildings	54.58	--
Machinery	173.62	--
Irrigation Machinery	0.00	--
Total (incl. Land)	228.19	--

Management

Average Yield	(Tonne/acre)	59.12	--
Expected Market Price	(\$/Tonne)	4.92	--

2015 Crop Enterprise Analysis

AgriProfit\$

Crop: *Alfalfa Grass Hay - All*
Soil Zone: *Grey Wooded - Dryland*
Unit: *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	203.90	285.49	183.86	203.80
	2. Crop Insurance Receipts	13.83	27.11	12.47	19.35
	3. Other Receipts	1.99	1.25	1.79	0.89
	Gross Receipts	219.72	313.85	198.12	224.05
(B) Cost Items					
	1. Seed	4.90	0.00	4.42	0.00
	2. Fertilizer	5.60	0.00	5.05	0.00
	3. Chemical	0.00	0.00	0.00	0.00
	4. Hail/Crop Insurance Premium	1.27	2.58	1.14	1.84
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	6.32	7.95	5.69	5.68
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	13.36	16.93	12.04	12.08
	9. Repairs - Buildings	0.13	0.24	0.12	0.17
	10. Utilities and Miscellaneous	2.40	1.71	2.16	1.22
	11. Custom Work	0.52	1.28	0.47	0.92
	12. Operating Interest Paid	0.48	0.86	0.43	0.61
	13. Paid Labour	1.05	1.05	0.94	0.75
	14. Unpaid Labour	17.23	12.23	15.54	8.73
	Variable Costs	53.24	44.83	48.01	32.00
(C)	1. Cash/ Share Land Rent	17.54	18.69	15.82	13.34
	2. Taxes, Water Rates, License & Ins.	4.17	6.37	3.76	4.55
	3. Equipment and Building: a) Depreciation	19.08	19.82	17.20	14.15
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	2.54	2.35	2.29	33.71	
	Capital Costs	43.33	47.23	39.07	65.75
(D)	Cash Costs (B+C-B14-C3a)	60.26	60.01	54.34	74.88
(E)	Total Production Costs (B+C)	96.57	92.05	87.08	97.75
	Gross Margin (A-D)	159.46	253.84	143.78	149.17
	Return to Unpaid Labour (A-E+B14)	140.38	234.02	126.58	135.03
	Return to Investment (A-E+C4)	125.69	224.15	113.33	160.01
	Return to Equity (A-E)	123.15	221.80	111.04	126.30

Investment

Buildings	41.26	54.08
Machinery	172.94	171.85
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1284.12	1891.58

Management

Average Yield (Tonne/acre)	1.11	1.40
Expected Market Price (\$/Tonne)	183.86	203.80

2015 Crop Enterprise Analysis

AgriProfit\$

Crop: Alfalfa/Grass Hay - Own Soil

Zone: Grey Wooded - Dryland Unit:

Tonne

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	215.94	277.31	191.53	205.23	
	2. Crop Insurance Receipts	26.53	40.36	23.53	29.87	
	3. Other Receipts	3.81	0.00	3.38	0.00	
	Gross Receipts	246.29	317.67	218.44	235.10	
(B)	Cost Items					
	1. Seed	9.40	0.00	8.34	0.00	
	2. Fertilizer	10.74	0.00	9.52	0.00	
	3. Chemical	0.00	0.00	0.00	0.00	
	4. Hail/Crop Insurance Premium	2.43	3.84	2.16	2.84	
	5. Trucking and Marketing	0.00	0.00	0.00	0.00	
	6. Fuel	8.12	8.38	7.20	6.20	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	17.94	19.53	15.91	14.46	
	9. Repairs - Buildings	0.22	0.36	0.20	0.27	
	10. Utilities and Miscellaneous	1.91	1.48	1.69	1.09	
	11. Custom Work	0.99	1.91	0.88	1.41	
	12. Operating Interest Paid	0.86	1.28	0.76	0.95	
	13. Paid Labour	0.81	0.00	0.72	0.00	
	14. Unpaid Labour	11.89	11.64	10.54	8.61	
	Variable Costs	65.30	48.42	57.92	35.83	
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00	
	2. Taxes, Water Rates, License & Ins.	6.67	7.74	5.92	5.73	
	3. Equipment and Building:	a) Depreciation	20.58	22.10	18.26	16.36
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	4.17	2.88	3.70	24.22	
	Capital Costs	31.43	32.73	27.87	46.31	
(D)	Cash Costs	64.26	47.40	57.00	57.17	
(E)	Total Production Costs	96.73	81.14	85.79	82.14	
	Gross Margin	182.03	270.27	161.44	177.93	
	Return to Unpaid Labour	161.44	248.16	143.19	161.57	
	Return to Investment	153.73	239.41	136.35	177.18	
	Return to Equity	149.56	236.53	132.65	152.96	

Investment

Buildings	54.34	60.64
Machinery	180.22	187.36
Irrigation Machinery	0.00	0.00
Total (incl. Land)	2286.65	2441.99

Management

Average Yield	(Tonne/acre)	1.13	1.35
Expected Market Price	(\$/Tonne)	191.53	205.23

2015 Crop Enterprise Analysis

AgriProfit\$

Crop: *Alfalfa/Grass Hay - Rent Soil*

Zone: *Grey Wooded - Dryland Unit:*

Tonne

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	190.78	--	175.20	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	0.00	--	0.00	--
	Gross Receipts	190.78	0.00	175.20	0.00
(B)	Cost Items				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	0.00	--	0.00	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	4.35	--	3.99	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	8.37	--	7.69	--
	9. Repairs - Buildings	0.03	--	0.03	--
	10. Utilities and Miscellaneous	2.93	--	2.69	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	0.07	--	0.06	--
	13. Paid Labour	1.30	--	1.20	--
14. Unpaid Labour	23.05	--	21.17	--	
Variable Costs	40.10	0.00	36.83	0.00	
(C)	1. Cash/ Share Land Rent	36.66	--	33.66	--
	2. Taxes, Water Rates, License & Ins.	1.44	--	1.32	--
	3. Equipment and Building: a) Depreciation	17.44	--	16.02	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	0.76	--	0.70	--	
Capital Costs	56.30	0.00	51.70	0.00	
(D)	Cash Costs (B+C-B14-C3a)	55.91	--	51.34	--
(E)	Total Production Costs (B+C)	96.40	--	88.53	--
	Gross Margin (A-D)	134.88	--	123.86	--
	Return to Unpaid Labour (A-E+B14)	117.43	--	107.84	--
	Return to Investment (A-E+C4)	95.14	--	87.37	--
	Return to Equity (A-E)	94.38	--	86.67	--

Investment

Buildings	27.00	--
Machinery	165.01	--
Irrigation Machinery	0.00	--
Total (incl. Land)	192.01	--

Management

Average Yield (Tonne/acre)	1.09	--
Expected Market Price (\$/Tonne)	175.20	--

2015 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	167.36	--	171.90	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	0.00	--	0.00	--
	Gross Receipts	167.36	0.00	171.90	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	6.41	--	6.58	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	10.69	--	10.98	--
	9. Repairs - Buildings	0.00	--	0.00	--
	10. Utilities and Miscellaneous	3.34	--	3.43	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	0.00	--	0.00	--
	13. Paid Labour	4.35	--	4.47	--
14. Unpaid Labour	23.13	--	23.75	--	
	Variable Costs	47.92	0.00	49.22	0.00
(C)	1. Cash/ Share Land Rent	19.46	--	19.99	--
	2. Taxes, Water Rates, License & Ins.	2.94	--	3.02	--
	3. Equipment and Building: a) Depreciation	38.41	--	39.45	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	1.74	--	1.79	--	
	Capital Costs	62.56	0.00	64.25	0.00
(D)	Cash Costs (B+C-B14-C3a)	48.95	--	50.27	--
(E)	Total Production Costs (B+C)	110.48	--	113.48	--
	Gross Margin (A-D)	118.41	--	121.63	--
	Return to Unpaid Labour (A-E+B14)	80.01	--	82.18	--
	Return to Investment (A-E+C4)	58.62	--	60.21	--
	Return to Equity (A-E)	56.88	--	58.42	--

Investment

Buildings	113.33	--
Machinery	322.39	--
Irrigation Machinery	0.00	--
Total (incl. Land)	834.16	--

Management

Average Yield (Tonne/acre)	0.97	--
Expected Market Price (\$/Tonne)	171.90	--

2015 Crop Enterprise Analysis

AgriProfit\$

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	153.62	--	150.93	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	0.00	--	0.00	--
	Gross Receipts	153.62	0.00	150.93	0.00
(B)	Cost Items				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	0.00	--	0.00	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	4.51	--	4.43	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	4.18	--	4.10	--
	9. Repairs - Buildings	0.00	--	0.00	--
	10. Utilities and Miscellaneous	3.19	--	3.13	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	0.00	--	0.00	--
	13. Paid Labour	3.26	--	3.20	--
14. Unpaid Labour	22.71	--	22.31	--	
	Variable Costs	37.85	0.00	37.18	0.00
(C)	1. Cash/ Share Land Rent	29.14	--	28.63	--
	2. Taxes, Water Rates, License & Ins.	1.77	--	1.74	--
	3. Equipment and Building: a) Depreciation	50.14	--	49.26	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	1.32	--	1.30	--	
	Capital Costs	82.37	0.00	80.93	0.00
(D)	Cash Costs (B+C-B14-C3a)	47.37	--	46.54	--
(E)	Total Production Costs (B+C)	120.22	--	118.11	--
	Gross Margin (A-D)	106.25	--	104.39	--
	Return to Unpaid Labour (A-E+B14)	56.11	--	55.13	--
	Return to Investment (A-E+C4)	34.72	--	34.11	--
	Return to Equity (A-E)	33.40	--	32.82	--

Investment

Buildings	142.89	--
Machinery	417.44	--
Irrigation Machinery	0.00	--
Total (incl. Land)	560.33	--

Management

Average Yield (Tonne/acre)	1.02	--
Expected Market Price (\$/Tonne)	150.93	--

2015 Crop Enterprise Analysis

AgriProfit\$

Crop: Grain Silage - All
Soil Zone: Grey Wooded - Dryland
Unit: Tonne

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	385.17	416.33	63.81	75.94
	2. Crop Insurance Receipts	46.18	86.86	7.65	15.84
	3. Other Receipts	0.21	0.00	0.03	0.00
	Gross Receipts	431.56	503.19	71.50	91.79
(B)	Cost Items				
	1. Seed	24.11	19.62	3.99	3.58
	2. Fertilizer	57.34	49.74	9.50	9.07
	3. Chemical	8.08	0.54	1.34	0.10
	4. Hail/Crop Insurance Premium	7.25	5.71	1.20	1.04
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	28.79	31.69	4.77	5.78
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	20.75	25.74	3.44	4.70
	9. Repairs - Buildings	0.27	0.53	0.05	0.10
	10. Utilities and Miscellaneous	7.83	8.08	1.30	1.47
	11. Custom Work	68.40	59.41	11.33	10.84
	12. Operating Interest Paid	0.92	1.51	0.15	0.28
	13. Paid Labour	0.80	0.00	0.13	0.00
	14. Unpaid Labour	12.97	14.45	2.15	2.64
	Variable Costs	237.52	217.02	39.35	39.59
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	5.18	5.77	0.86	1.05
	3. Equipment and Building: a) Depreciation	21.32	23.52	3.53	4.29
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	5.31	3.87	0.88	6.05	
	Capital Costs	31.81	33.16	5.27	11.39
(D)	Cash Costs (B+C-B14-C3a)	235.03	212.21	38.94	44.05
(E)	Total Production Costs (B+C)	269.33	250.18	44.62	50.98
	Gross Margin (A-D)	196.53	290.98	32.56	47.73
	Return to Unpaid Labour (A-E+B14)	175.21	267.46	29.03	43.44
	Return to Investment (A-E+C4)	167.54	256.87	27.76	46.86
	Return to Equity (A-E)	162.23	253.00	26.88	40.81

Investment

Buildings	56.31	66.16
Machinery	185.82	195.20
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1827.46	1745.97

Management

Average Yield (Tonne/acre)	6.04	5.48
Expected Market Price (\$/Tonne)	63.81	75.94

2015 Crop Enterprise Analysis

AgriProfit\$

Crop: Grain Silage - Own
Soil Zone: Grey Wooded - Dryland
Unit: Tonne

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
(A)	1. Crop Sales	385.17	416.33	63.81	75.94
	2. Crop Insurance Receipts	46.18	86.86	7.65	15.84
	3. Other Receipts	0.21	0.00	0.03	0.00
	Gross Receipts	431.56	503.19	71.50	91.79
(B)	Cost Items				
	1. Seed	24.11	19.62	3.99	3.58
	2. Fertilizer	57.34	49.74	9.50	9.07
	3. Chemical	8.08	0.54	1.34	0.10
	4. Hail/Crop Insurance Premium	7.25	5.71	1.20	1.04
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	28.79	31.69	4.77	5.78
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	20.75	25.74	3.44	4.70
	9. Repairs - Buildings	0.27	0.53	0.05	0.10
	10. Utilities and Miscellaneous	7.83	8.08	1.30	1.47
	11. Custom Work	68.40	59.41	11.33	10.84
	12. Operating Interest Paid	0.92	1.51	0.15	0.28
	13. Paid Labour	0.80	0.00	0.13	0.00
	14. Unpaid Labour	12.97	14.45	2.15	2.64
	Variable Costs	237.52	217.02	39.35	39.59
(C)	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	5.18	5.77	0.86	1.05
	3. Equipment and Building: a) Depreciation	21.32	23.52	3.53	4.29
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	5.31	3.87	0.88	6.05	
	Capital Costs	31.81	33.16	5.27	11.39
(D)	Cash Costs (B+C-B14-C3a)	235.03	212.21	38.94	44.05
(E)	Total Production Costs (B+C)	269.33	250.18	44.62	50.98
	Gross Margin (A-D)	196.53	290.98	32.56	47.73
	Return to Unpaid Labour (A-E+B14)	175.21	267.46	29.03	43.44
	Return to Investment (A-E+C4)	167.54	256.87	27.76	46.86
	Return to Equity (A-E)	162.23	253.00	26.88	40.81

Investment

Buildings	56.31	66.16
Machinery	185.82	195.20
Irrigation Machinery	0.00	0.00
Total (incl. Land)	1827.46	1745.97

Management

Average Yield (Tonne/acre)	6.04	5.48
Expected Market Price (\$/Tonne)	63.81	75.94

2015 Crop Enterprise Analysis

AgriProfit\$

Crop: Haylage - All
Soil Zone: Grey Wooded - Dryland
Unit: Tonne

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	214.10	--	73.83	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	0.00	--	0.00	--	
	Gross Receipts	214.10	0.00	73.83	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	0.40	--	0.14	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	19.70	--	6.79	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	33.88	--	11.68	--	
	9. Repairs - Buildings	1.34	--	0.46	--	
	10. Utilities and Miscellaneous	5.63	--	1.94	--	
	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	20.40	--	7.03	--	
Variable Costs	81.34	0.00	28.05	0.00		
(C)	1. Cash/ Share Land Rent	29.06	--	10.02	--	
	2. Taxes, Water Rates, License & Ins.	1.83	--	0.63	--	
	3. Equipment and Building:	a) Depreciation	17.91	--	6.18	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	5.90	--	2.03	--	
Capital Costs	54.70	0.00	18.86	0.00		
(D)	Cash Costs	97.74	--	33.70	--	
(E)	Total Production Costs	136.05	--	46.91	--	
	Gross Margin	116.36	--	40.12	--	
	Return to Unpaid Labour	98.45	--	33.95	--	
	Return to Investment	83.95	--	28.95	--	
	Return to Equity	78.06	--	26.92	--	

Investment

Buildings	21.79	--
Machinery	157.62	--
Irrigation Machinery	0.00	--
Total (incl. Land)	863.01	--

Management

Average Yield	(Tonne/acre)	2.90	--
Expected Market Price	(\$/Tonne)	73.83	--

2015 Crop Enterprise Analysis

AgriProfit\$

Crop: Haylage - Rent
Soil Zone: Grey Wooded - Dryland
Unit: Tonne

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
(A)	1. Crop Sales	207.37	--	71.51	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	0.00	--	0.00	--	
	Gross Receipts	207.37	0.00	71.51	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	19.70	--	6.79	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	33.88	--	11.68	--	
	9. Repairs - Buildings	1.34	--	0.46	--	
	10. Utilities and Miscellaneous	5.63	--	1.94	--	
	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	20.40	--	7.03	--	
Variable Costs	80.95	0.00	27.91	0.00		
(C)	1. Cash/ Share Land Rent	40.00	--	13.79	--	
	2. Taxes, Water Rates, License & Ins.	1.29	--	0.44	--	
	3. Equipment and Building:	a) Depreciation	17.91	--	6.18	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	5.90	--	2.03	--	
Capital Costs	65.09	0.00	22.44	0.00		
(D)	Cash Costs (B+C-B14-C3a)	107.73	--	37.15	--	
(E)	Total Production Costs (B+C)	146.04	--	50.36	--	
	Gross Margin (A-D)	99.63	--	34.36	--	
	Return to Unpaid Labour (A-E+B14)	81.72	--	28.18	--	
	Return to Investment (A-E+C4)	67.22	--	23.18	--	
	Return to Equity (A-E)	61.33	--	21.15	--	

Investment

Buildings	21.79	--
Machinery	157.62	--
Irrigation Machinery	0.00	--
Total (incl. Land)	179.41	--

Management

Average Yield (Tonne/acre)	2.90	--
Expected Market Price (\$/Tonne)	71.51	--

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