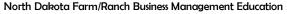
Enterprise Analysis Summary for 2015 Crops on Cash Rented Land

Bottineau, Minot and Rugby Farm and Ranch Business Management Education Programs

Г	Barley	Beans, Pinto	Canola	Corn	Flax	Peas, Field
Number of Farms	22		27	15	14	9
Yield per Acres (bu or cwt)	66.84		18.23	100.62	23.29	46.36
Value per bushel/cwt	\$4.88	r 1	\$14.76	\$3.01	\$9.55	\$7.24
Other Product Return per Acre		r 1		\$0.53	•	
Total Product Return per Acre	\$325.86	r 1	\$269.08	\$303.28	\$222.37	\$335.74
Crop Insuance, LDP & Other Incor	\$16.86	†	\$6.41	\$5.75	\$9.32	\$18.09
Gross Return per Acre	\$342.72		\$275.49	\$309.03	\$231.69	\$353.83
Direct Costs per Acre						
Seed	18.19	†	60.70	70.64	18.96	40.98
Fertilizer	51.04	†	70.09	87.69	41.67	11.02
Chemicals	35.87	†	27.04	26.45	21.00	37.56
Crop Insurance	17.87	†	14.85	19.97	11.80	12.38
Drying		†		5.29		
Fuel and Oil	13.02	†	14.30	21.33	11.94	17.47
Repairs	20.50	†	21.23	31.37	20.67	24.79
Custom Work	8.15	†	7.87	1.46	5.39	6.60
Land Rent	53.28	†	45.98	47.33	47.00	43.19
Machinery & Building Leases			0.29			
Operating Interest	5.65	†	4.33	8.19	5.36	6.51
Miscellaneous Crop Expenses	2.11	†	1.45	1.61	1.13	1.75
Total Direct Costs per Acre	\$225.68		\$268.13	\$321.33	\$184.92	\$202.25
Return to Overhead per Acre	\$117.04		\$7.36	-\$12.30	\$46.77	\$151.58
Overhead Costs per Acre						
Hired Labor	6.31		4.60	21.86	5.93	10.10
Machinery & Building Leases	1.93	T	1.43	0.87	1.44	0.63
Farm Insurance	4.29		3.63	5.41	4.78	4.82
Utilities	2.61		2.36	3.26	2.77	2.47
Dues and Professional Fees	2.05		1.38	1.13	0.77	1.80
Interest on Term Loans	3.60	T	3.05	3.13	3.38	2.27
Machinery and Building Depr.	30.68	T	28.62	44.79	26.08	42.03
Miscellaneous Farm Expenses	4.31	T	3.83	3.51	1.94	3.27
Total Overhead Costs per Acre	\$55.78		\$48.90	\$83.96	\$47.09	\$67.39
Total Listed Costs per Acre	\$281.46		\$317.03	\$405.29	\$232.01	\$269.64
Net Return per Acre	\$61.26		-\$41.54	-\$96.26	-\$0.32	\$84.19
Government Payments per Acre	7.59		6.57	7.76	6.00	11.21
Net Return with Gov. Payments	\$68.85		-\$34.97	-\$88.50	\$5.68	\$95.40
Labor & Management Charge	23.37		26.24	31.34	19.16	23.38
Net Return over Labor & Mngt.	\$45.48		-\$61.21	-\$119.84	-\$13.48	\$72.02
Total Direct Costs per Bu/Cwt	3.38		14.71	3.19	8.53	4.36
Total Listed Costs per Bu/Cwt	4.21		17.39	4.03	9.96	5.82
Listed Costs per Bu/Cwt Less						
Government Payments	3.85		16.68	3.89	9.30	5.18
Costs per bu/Cwt Less Gov.		r 1				
Payments, Other Income &	4.19		18.12	4.20	10.13	5.69
Labor & Management Charge						
Machinery Cost per Acre	78.20		76.91	100.14	67.71	91.75
Estimated Labor Hours per Acre	1.26		1.25	2.15	1.06	1.33









Enterprise Analysis Summary for 2015 Crops on Cash Rented Land

Bottineau, Minot and Rugby Farm and Ranch Business Management Education Programs

1		Sunflowers,	Sunflowers,	1	Wheat, Hard	Wheat, Hard
	Soybeans	Confectionary	Oil	Wheat, Durum	Red Spring	Red Winter
Number of Farms	41	Concensionary	8	, ricut, Durum	49	Tied (Time)
Yield per Acres (bu or cwt)	27.92		16.51		49.85	
Value per bushel/cwt	\$8.30	•	\$19.59	,	\$4.62	•
Other Product Return per Acre	ψ0.50	-	Ψ17.57	 	\$0.06	-
Total Product Return per Acre	\$231.72	-	\$323.35	 	\$230.28	•
Crop Insuance, LDP & Other Incon	\$231.72 \$15.06	-	\$323.33 \$7.05	-	\$9.54	•
Gross Return per Acre	\$246.78		\$330.40		\$239.82	
Direct Costs per Acre	\$240.78		\$330.40		\$239.62	
Seed	77.23	-	40.56	-	18.55	-
Fertilizer	17.23	,	57.54	·	63.21	7
Chemicals		-	42.04	ļ		-
	21.65	-	16.98	 	34.67	
Crop Insurance	13.05	-	16.98	 	15.57	•
Drying Evel and Oil	12.49		14.64		12.20	
Fuel and Oil	12.48		14.64		12.29	
Repairs	20.21		26.61		20.39	
Custom Work	4.12		6.21		4.89	
Land Rent	53.44		49.91		48.86	
Operating Interest	5.17		5.85		4.94	
Miscellaneous Crop Expenses	1.50		1.01		1.66	
Total Direct Costs per Acre	\$226.04		\$261.35		\$225.03	
Return to Overhead per Acre	\$20.74		\$69.05		\$14.79	
Overhead Costs per Acre			40.45		- 40	
Hired Labor	5.91		10.42		6.19	
Machinery & Building Leases	6.26		0.32		3.67	
Farm Insurance	4.72		3.75		4.46	
Utilities	2.69		2.10		2.49	
Dues and Professional Fees	1.70		0.68		1.48	
Interest on Term Loans	3.37		1.63		3.29	
Machinery and Building Depr.	27.00		37.70		27.45	
Miscellaneous Farm Expenses	4.31		3.88		4.68	
Total Overhead Costs per Acre	\$55.96		\$60.48		\$53.71	
Total Listed Costs per Acre	\$282.00		\$321.83		\$278.74	
Net Return per Acre	-\$35.22		\$8.57		-\$38.92	
Government Payments per Acre	5.81		7.12		5.20	
Net Return with Gov. Payments	-\$29.41		\$15.69		-\$33.72	
Labor & Management Charge	21.74		24.87		20.53	
Net Return over Labor & Mngt.	-\$51.15		-\$9.18		-\$54.25	
Total Direct Costs per Bu/Cwt	8.10		15.83		4.51	
Total Listed Costs per Bu/Cwt	10.10		19.49		5.59	
Listed Costs per Bu/Cwt Less	9.35		18.63		5.29	
Government Payments	7.33		10.03		3.29	
Costs per bu/Cwt Less Gov.						
Payments, Other Income &	10.13		20.14		5.71	
Labor & Management Charge						
Machinery Cost per Acre	73.80		86.50		72.41	
Estimated Labor Hours per Acre	1.24		1.35		1.24	

For more information or to sign up for the DCB Farm & Ranch Business Management Education Program contact one of the following instructors:

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Enterprise Analysis Summary for 2015 Forage Crops on Cash Rented Land

Bottineau, Minot and Rugby Farm and Ranch Business Management Education Programs

			Hay, Mixed		Hay, Small	
	Corn Silage	Hay, Alfalfa	Alfalfa/Grass	Hay, Grass	Grain	Pasture
Number of Farms	Combinage	7	12	20	Gium	26
Yield per Acres (tons or AUMs)		1.50	1.38	1.13		0.87
Value per ton or AUM	•	\$80.71	\$42.54	\$38.34	•	\$16.99
Other Product Return per Acre	•	φοσ.71	Ψ12.31	φ30.31	•	\$0.04
Total Product Return per Acre	•	\$121.06	\$58.70	\$43.32	•	\$14.82
Crop Insuance, LDP & Other Incom	•	\$28.05	φεσσ	ų .5.5 2	•	\$0.37
Gross Return per Acre		\$149.11	\$58.70	\$43.32		\$15.19
Direct Costs per Acre		40.000	70000	7 10102		430.32
Seed	•				•	
Fertilizer	•	2.71			•	
Chemicals	7	0.70			7	
Crop Insurance	7	9.40	4.11		7	
Fuel and Oil	•	8.17	6.72	6.79	7	
Repairs		16.99	12.30	12.97		0.67
Custom Work		0.01	0.52			
Land Rent		22.35	24.29	12.84		14.01
Operating Interest		0.82	2.29	1.35		
Miscellaneous Crop Expenses		0.45		1.43		0.95
Total Direct Costs per Acre		\$61.60	\$50.23	\$35.38		\$15.63
Return to Overhead per Acre		\$87.51	\$8.47	\$7.94		-\$0.44
Overhead Costs per Acre						
Hired Labor		1.01	1.18	3.83		
Machinery & Building Leases			0.15			0.67
Farm Insurance		2.84	2.56	1.17		
Utilities		2.86	1.23	1.16		
Dues and Professional Fees		0.25	0.74	0.35		
Interest on Term Loans		1.94	3.55	0.95		
Machinery and Building Depr.		17.59	11.90	13.90		
Miscellaneous Farm Expenses		1.59	0.55	2.20		0.51
Total Overhead Costs per Acre		\$28.08	\$21.86	\$23.56		\$1.18
Total Listed Costs per Acre		\$89.68	\$72.09	\$58.94		\$16.81
Net Return per Acre		\$59.43	-\$13.39	-\$15.62		-\$1.62
Government Payments per Acre		0.03	0.23			0.04
Net Return with Gov. Payments		\$59.46	-\$13.16	-\$15.62		-\$1.58
Labor & Management Charge		13.04	13.17	10.47		0.57
Net Return over Labor & Mngt.		\$46.42	-\$26.33	-\$26.09		-\$2.15
Total Direct Costs per Ton/AUM		41.07	36.40	31.31		17.97
Total Listed Costs per Ton/AUM		59.79	52.24	52.16		19.32
Listed Costs per Ton/AUM Less		41.07	52.07	52.16		18.80
Government Payments		,	52.57	52.13		10.00
Costs per Ton/AUM Less Gov.						
Payments, Other Income &		49.76	61.62	61.42		19.46
Labor & Management Charge						
Machinery Cost per Acre		43.19	34.43	35.95		1.80
Estimated Labor Hours per Acre		0.91	0.94	0.85		0.04







Enterprise Analysis Summary for 2015 Livestock

Bottineau, Minot and Rugby Farm and Ranch Business Management Education Programs

	Beef Co Average p		Beef Backg Average per C	
N 1 CF		er cow		
Number of Farms	26	Value	Overetites 13	Value
Poof Colves Sold (nounds)	Quantity 215.40	429.65	Quantity 369.33	725.46
Beef Calves Sold (pounds)		429.65 572.75		183.01
Transferred Out (pounds)	321.40		102.78	183.01
Cull Sales (pounds)	-	204.33		
Other Income		2.49	0.00	0.00
Less Purchased (pounds)		-205.71		
Less Transferred In (pounds) Inventory Change (pounds)	6.20	-138.69	-171.61 -201.45	-333.11 -510.83
Gross Margin (Production in pounds	543.00	68.61 \$933.43	99.05	
•	343.00	Ф933.43	99.03	\$65.47
Direct Expenses			1 10	2.62
Barley (bushels)			1.10	2.63
Corn (bushels)			2.59	7.47
Oats (bushels)	2017.20	29.02	0.67	1.58
Corn & Other Silage (pounds)	2817.30	38.92	311.76	4.41
Hay, Alfalfa (pounds)	1000.10	31.79	46.75	1.54
Hay, Grass and Other (pounds)	5375.10	109.10	337.82	7.27
Complete Rations (pounds)	05.40	20.12	12.60	0.57
Protein, Vitamins & Minerals (lbs)	95.40	29.12	13.16	5.11
Pasture (animal unit months)	7.40	112.47	0.07	1.02
Other Feed Stuffs (pounds)	357.00	17.60	203.63	3.13
Veterinary		31.83		6.91
Livestock Supplies		17.06		0.50
Fuel and Oil		28.99		2.87
Repairs		64.31		5.02
Custom Hire		12.13		2.98
Other Direct Expenses		6.21		
Operating Interest		9.04		1.66
Total Direct Costs/Cow/Cwt Prod.		\$508.57		\$54.67
Return Over Direct Expenses		\$424.86		\$10.80
Overhead Expenses				
Hired Labor		10.91		
Machinery & Building Leases				
Farm Insurance		10.40		
Utilities		12.17		0.88
Dues and Professional Fees		3.65		
Interest on Term Loans		10.34		1.07
Machinery and Building Depr.		59.31		6.72
Miscellaneous Farm Expenses		3.29		2.76
Total Overhead Expenses		\$110.07		\$11.43
Total Direct & Overhead Expenses		\$618.64		\$66.10
Net Return		\$314.79		-\$0.63
Labor & Management Charge		70.52		6.56
Net Return over Labor & Mngt.		\$244.27		-\$7.19
Feed Cost per Cow/Cwt Produced		\$339.00		\$34.73
Weaning Percentage		87.2%		
Average Weaning Weight		552		
Average Daily Gain				1.49
Pounds of Feed per Pound of Gain				9.37
Est. Labor Hours per Cow/Cwt Pro		5.56		0.48
not location) Alle	n Graner (Rugby	location)	Rodn	ey Armstrong

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Executive Summary for 2015

Bottineau, Minot and Rugby Farm and Ranch Business Management Education Programs

Income Statement

Financial Standards Measures

Crop Sales	416,040		Liquidity	Beginning	Ending
Crop Inventory Change	16,266		Current Ratio	1.59	1.54
Gross Crop Income		432,306	Working Capital	193,294	189,802
Livestock Sales	72,708		Working Capital to Gross Rev.		31.4%
Livestock Inventory Change	-6,317				
Gross Livestock Income		66,391	Solvency (Cost)	Beginning	Ending
Government Payments		30,090	Debt to Asset Ratio	38.0%	39.9%
Other Cash Farm Income		74,900	Equity to Asset Ratio	58.4%	56.1%
Change in Accounts Receivable		-8,017	Debt to Equity	71.2%	78.4%
Gain or Loss on Hedging Accts.		3,122			
Change in Other Assets		1,353	Profitability		Cost
Gain or Loss on Breeding Lvst.		-95	Rate of Return on Assets		0.7%
Gross Farm Income		600,050	Rate of Return on Equity		-1.6%
			Operating Profit Margin		2.2%
Cash Operating Expense	476,240		Net Farm Income		30,500
Change in Prepaid Exp. & Sup.	6,268		EBITDA		124,545
Change in Growing Crops	-2,213				
Change in Accounts Payable	-4,790		Repayment Capacity		
Depreciation	64,431		Capital Debt Repayment Cap.		71,322
Total Operating Expense		539,936	Capital Debt Repayment Margin		-21,943
Interest Paid	27,399		Replacement Margin		-46,630
Change in Accrued Interest	2,215		Term Debt Coverage Ratio		0.76
Total Interest Expense		29,614	Replacement Margin Coverage Ra	atio	0.60
Total Expenses		569,550			
			Efficiency		Cost
Net Farm Income from Operation	ns	30,500	Asset Turnover Rate		31.8%
Gain or Loss on Capital Sales		-625	Operating Expense Ratio		79.4%
Net Farm Income		29,875	Depreciation Expense Ratio		10.7%
			Interest Expense Ratio		4.9%
Change in Earned Net Worth	-8,845	-1%	Net Farm Income Ratio		4.9%







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