The 2004 Annual Report is dedicated to the memory of Robert E. Bollesen

Bob served as Regional Dean of Management Education at Northland Community and Technical College from 1997 to 2004. Bob passed away in January of 2005. Bob was an energetic, intelligent, and hardworking individual who dedicated his life to Agriculture. We have lost a true friend of Agriculture and caring family man. Bob was a special individual who will be remembered by those who knew and worked with him.

Annual Report Overview

The 2004 North Central and Northwestern Minnesota Farm Business Management Education Program Annual Report has been printed for the second time. The North Central and Northwestern Minnesota Report was developed through a partnership between the Northland Community & Technical College and Central Lakes Community & Technical College Farm Business Management Programs.

The North Central and Northwestern Minnesota Annual Report contains data from students enrolled in the Farm Business Management programs at Northland Community & Technical College and Central Lakes Community & Technical College. A complete list of Instructors who have students with data in this report can be found on page three (3). We believe that merging this data, from similar farming operations and environments, enables us to provide more complete farm financial information.

This report and the three (3) other regional reports include only statewide data for each of the livestock enterprises. Minnesota Farm Business Management Education Programs are committed to developing an even more valuable database of information for farmers. The increase in the number of farms included in each enterprise enhances the reliability and accuracy of the database. Regional livestock enterprise information can be obtained from each of the six Regional Farm Business Management Offices, or a Farm Business Management Instructor in that area.

Additional Note: The 2004 State Farm Business Management Education Program database includes data from over 2,200 farms. This information is unique to Minnesota and provides a wealth of information for farmers, the agriculture businesses that support those farmers, educators, and other interested individuals. Additional Farm Business Management database information is available from the Farm Business Management (FBM) Internet website, and from each of the regional offices listed on the inside front cover. Included on the FBM website is information about Management Programs, office locations and instructor information. Regional and state database reports, and links to other agriculture web pages can also be found at this website.

State FBM Website: www.mgt.org

Northland College Website: www.northlandcollege.edu

Central Lakes College Website: www.clcmn.edu

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Instructors Participating

Inside the front cover of this report, you will see a map of Minnesota. The farms included in this report are located in the shaded area on the map, Northern Minnesota. The instructors who work with the Farm Farm Business Management students located in the shaded area, and their office locations, are listed below:

Northland College	•	Central Lakes College		
Office Location:	Instructor	Office Location:	Instructor	
Barnesville	Sheldon Schmiess	Aitkin	Brad Irwin	
Baudette	Gerald Ausmus	Iron	Jim Takala	
Bemidji	Jim Sackett	Little Falls	Dave Stish	
Detroit Lakes	Mark Berg	Milaca	Lee Todnem	
Detroit Lakes	Paul Ramsey	Pierz	Ben Jorgensen	
East Grand Forks	Ron Dvergsten/Jon Christensen	Staples	Bob Rick	
Fertile	Jon Christensen/Dennis Olsen	Staples	Tom Schulz	
Fosston	Doug Fjerstad			
Hallock	Flint Daugherty			
Hawley	Dennis Olsen			
Mahnomen/Ulen	Mike Lockhart			
Red Lake Falls	Greg Kalinoski			
Roseau	Duane Jaenicke			
Thief River Falls	Greg Dvergsten			

The preparation of this report was done under the direction of Ron Dvergsten, Regional Dean of Management Education at Northland Community & Technical College; and DelRay Lecy, Regional Dean of Management Education at Central Lakes College. Directing in supervisory capacity were:

Dr. Orley Gunderson, President, Northland Community & Technical College; Dr. Joe Birmingham, President, Central Lakes College; Dr. Jeff Thomas, Dean of Academic Affairs, Northland Community & Technical College; Rebecca Best, Associate VP of Academic Affairs, Central Lakes College; and John Murray, State Program Manager, Minnesota State Colleges and Universities. A special thank you goes to Shirley Judd, Central Lakes College, and Robin Langevin, Northland College, for their assistance in preparing this report.

Explanation of Data Processing and Report Format

The tables in this report were created using FINPACK and RankEm Central, copyrighted software of the Center for Farm Financial Management, University of Minnesota. Actual processing of the report was done at the Thief River Falls (NCTC) and Staples (CLC) Analysis Centers.

The financial portion of the report, found in the first 27 pages, uses a standard format for each of the tables. Data from the analysis system is printed in a four column format, that includes: Average, Low, Middle, & High. The High, Middle, & Low ranges are calculated based on a 20% slice of the farms in the total group.

The enterprise tables begin on page 30. Each of these tables consist of: a size indicator, a total and per unit income, direct & overhead expenses, and other information. Costs which are considered to be operating, whether easily assigned or are allocated, are listed as Direct Expenses. Costs which are general in nature, whether fixed or variable, are listed as Overhead Expenses.

The Criteria for determining the 20% categories in each area are listed below:

Analysis Section	Criteria to determine the "20%" categories
Financial	Net Farm Income

Crops Return to Overhead
Livestock Return to Overhead

Thief River Falls

Danie Packard

Average Money Spent by Each Farmer	Average	Money	Spent	by Ea	ach l	Farmer
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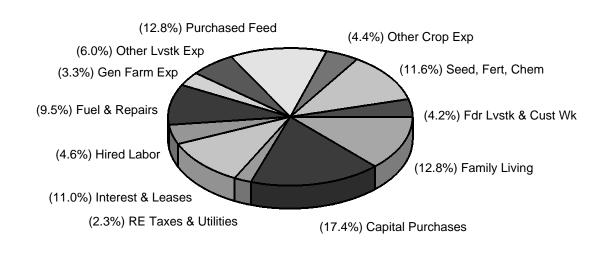
Where the Money was Spent:	What the Money was used for:	Amount
To Other Farmers	Feeder Livestock and Custom Work	\$14,508
To Agri-Business	Seed, Fertilizer, and Chemicals Other Direct Crop Expense Purchased Feed Other Direct Livestock Expense Fuel, Lubricants & Repairs General Farm Expenses	\$40,413 \$15,222 \$44,567 \$20,757 \$32,917 \$11,487
Individuals	Hired Labor	\$16,080
Utility Company	Utilities	\$5,754
Lenders or Other Farmers	Use of Capital: Interest & Leases	\$38,257
Local Government	Real Estate Taxes	\$2,158
Agri-Business or Other Farmers	Breeding Livestock, Machinery, Equipment, Buildings, Land, and Other.	\$60,425
Household and Personal Expense	Food, Clothing, Furnishings, Education, Contributions, Medical, Gifts, Recreation, Taxes, Capital Expenditures & Investments.	\$44,432

Average Money Spent by Each Farmer in the Community: \$346,977
Increase in Money Spent by Each Farmer, compared to 2003: \$43,344

Average Money Spent by Each Farmer in a 30 Yr Career: \$10,409,310

Money Spent in Community by 417 Farmers: \$144,689,409





Year at a Glance "2004 Annual Report"	Area Average	State Ave.	Local Ave.	Your Farm	Your Goal
	417 Farms	2234 <u>Farms</u>			
Pages 6 9 7	<u>raiiis</u>	<u>raiiis</u>			
<u>Pages 6 & 7:</u> Gross Cash Farm Income	\$206.040	¢420 250			
	\$306,049	\$438,358 \$350,335			
Total Cash Operating Expense Net Cash Farm Income	\$242,120 \$63,929	\$359,325 \$79,033			
	\$71,180	•			
Net Operating Profit Net Farm Income		\$97,715			
Net Farm income	\$51,656	\$72,761			
<u>Page 11:</u>					
Total Assets - 12/31	\$900,916	\$1,273,818			
Total Liabilities - 12/31	\$430,308	\$590,327			
Net Worth - 12/31	\$470,609	\$683,491			
Change in Net Worth	\$49,186	\$74,211			
Page 12:					
Working Capital - 12/31	\$44,506	\$76,346			
Debt to Asset Ratio - 12/31	51%	49%			
Rate of Return on Farm Assets - Cost	6.7%	8.0%			
Rate of Return on Farm Equity - Cost	8.0%	10.9%			
Capital Replacement Margin	\$24,251	\$35,569			
Asset Turnover Rate	39.9%	45.6%			
Operating Expense Ratio	71.4%	73.3%			
Interest Expense Ratio	5.9%	5.2%			
Page 18 & 19:					
Total Cash Family Living Expense	\$33,990	\$40,527			
Total Cash Family Living Expense Total Non Farm Income		•			
	\$20,124	\$21,616			
<u>Page 20:</u>					
Average Age of the Farmer	46.4	46.0			
Average Years Farming	22.0	22.7			

Net Farm Income dollars must pay for Family Living, Social Security and Income Tax, Retirement Accounts, Medical and Health expenses, and loan principle payments.

The following list shows 2004 expenses:

Family Living (Excl Health/Med)	\$28,188
Social Security and Income Tax	\$3,556
Health and Medical Expense	\$5,802
Retirement Accounts	\$1,817
Principle Payments	\$36,200
Balance	(\$23,907)

Farm Income Statement Northland & Central Lakes Community and Technical Colleges (Farms Sorted By Net Farm Income)

	Avg. Of	1 0 20%	40 600/	Uinh 200/
Number of farms	<u>All Farms</u> 417	<u>Low 20%</u> 83	<u>40 - 60%</u> 84	<u>High 20%</u> 84
Sale of Crops				
Barley	1,684	2,598	202	4,767
Beans, Navy	880	661	1,479	964
Beans, Pinto	770	1,055	1,479	1,145
Beans, Other Edible	427	327	, -	216
Canola	2,303	2,393	356	4,031
Corn	9,753	10,598	8,824	12,627
Corn Silage	570	420	451	884
Grass Seeds	1167	455	-	4256
Hay, Alfalfa	3,382	1,737	2,485	6,891
Hay, Mixed & Grass	923	1247	205	854
Oats	489	303	289	1,059
Potatoes	1,646	4,606	3,189	429
Soybeans	25,239	10,288	22,318	37,485
Sunflowers	927	764	345	802
Sunflowers, Confectionary	1,005	2,225	12	1,297
Wheat, Spring	32,807	18,249	25,147	55,095
Wheat, Winter	498	808	399	210
Miscellaneous crop enterprises	2132	413	294	1767
Miscellaneous crop income	362	118	-	-
Total Crop Sales	86,964	59,265	67,474	134,779
Sale of Livestock				
Beef Cow-Calf, Beef Calves	6,827	7,071	8,435	4,792
Beef, Backgrounding	4,138	8,797	388	5,932
Beef, Finishing	5,365	1,688	4,312	2,464
Dairy, Milk	131,887	21,329	96,197	383,413
Dairy, Dairy Calves	1,914	440	1,554	5,047
Dairy Heifers (for sale)	2,296	2,178	915	486
Dairy Steers	6,359	2,608	7,165	6,873
Hogs, Farrow-Fin, Raised Hogs	225	204	12	40
Hogs, Finish Feeder Pigs	2,964	-	-	14,384
Hogs, Weaning to Finish	3,946	-	-	19,588
Miscellaneous livestock enterprises	3121	3559	758	1819
Cull breeding livestock	7,816	3,490	6,169	18,357
Misc. livestock income	1,187	1,077	2,919	386
Total Livestock & Product Sales	178,045	52,441	128,824	463,581
Other farm income				
LDP payments	1,906	1,070	1,526	3,450
Direct & CC govt payments	9,507	6,191	7,648	16,017
CRP payments	992	1,795	752	778
Livestock govt payments	1,388	208	1,299	3,181
Other government payments	609	318	372	661
Custom work income	3,265	2,975	2,668	3,722
Patronage dividends, cash	1,227	1,161	854	2,248
Insurance income	16,527	11,136	12,922	29,306
Cash from hedging accts	1,236	364	717	2,401
Other farm income	4,383	2,657	3,512	10,489
Total Other Farm Income	41,040	27,875	32,270	72,253
Gross Cash Farm Income	306,049	139,581	228,568	670,613

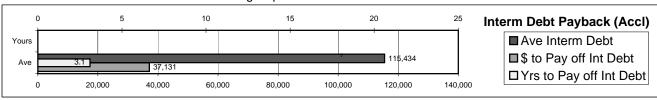
Farm Income Statement Northland & Central Lakes Community and Technical Colleges (Farms Sorted By Net Farm Income)

Avg. Of <u>All Farms</u>	<u>Low 20%</u>	<u>40 - 60%</u>	<u> High 20%</u>
417	83	84	84
12358	8571	10185	20553
17.106	13.030	12726	26,749
		8,910	19,354
5477	3019	4365	8894
989	964	820	1391
			4167
			2662
		·	3,319
55,635	39,793	42,394	87,089
·			
7973	7025	3413	13211
			120,249
	•		3,808
-		·	13382
			2588
			12880
			12000
	17		10592
	404		
-		•	2,216
			4,287
			4,467 188,953
13,291	23,000	33,640	100,933
-	·		33,525
•		10,341	20,322
	·	16488	38227
-		·	13,680
16080	5805	9666	46828
15,994	8722	12470	27,214
4456	2546	2460	12645
2,158	1,895	2,035	3,179
4,404	3,414	3,629	7977
5,754	3,484	4,756	10,805
1,411	867	1,181	2,898
1,593	866	396	6,127
4,079	2,467	4,585	7,626
113,188	71,124	85,449	231,053
242,120	134,603	181,689	507,095
63,929	4,978	46,879	163,518
-9.800	-11 166	-9941	-2,547
-	•		2,688
-			34,948
•			2,675
		·	2,195
			39,959
			203,477
,100	5,102	0.,011	=30,711
0.000	F 000	0.404	0.010
-	·	·	-2,319
-13,925	-10,451	-11,311	-23,798
		1 677	-8,140
-3,012	-1,263	-1,677	
332	-80	-283	1,645
	•	·	1,645 -32,612
	Avg. Of All Farms 417 12358 17,106 10,949 5477 989 4087 1,986 2,683 55,635 7973 44,567 1,434 5062 737 5612 501 2818 1,347 1,964 1,282 73,297 17,807 11,828 21,089 6,535 16080 15,994 4456 2,158 4,404 5,754 1,411 1,593 4,079 113,188 242,120 63,929 -9,800 1,179 15,411 986 -523 7,252 71,180	All Farms Low 20% 417 83 12358 8571 17,106 13,030 10,949 5,748 5477 3019 989 964 4087 2736 1,986 3,571 2,683 2,154 55,635 39,793 7973 7025 44,567 12,197 1,434 191 5062 1301 737 45 5612 1642 501 17 2818 - 1,347 494 1,964 583 1,282 191 73,297 23,686 17,807 13,499 11,828 8838 21,089 14,188 6,535 4,533 16080 5805 15,994 8722 4456 2546 2,158 1,895 4,404 3,414	Avg. Of All Farms Low 20% 40 - 60% 417 83 84 12358 8571 10185 17,106 13,030 12726 10,949 5,748 8,910 5477 3019 4365 989 964 820 4087 2736 1864 1,986 3,571 1,381 2,683 2,154 2,143 556,635 39,793 42,394 7973 7025 3413 44,567 12,197 34264 1,434 191 1,108 5062 1301 3699 737 45 379 5612 1642 5492 501 17 451 2818 - 901 1,347 494 1,628 1,964 583 1626 1,282 191 885 73,297 23,686 53,846 17,807 13,499 </td

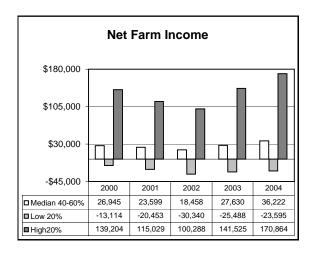
Profitability and Liquidity Measures Northland & Central Lakes Community and Technical Colleges (Farms Sorted By Net Farm Income)

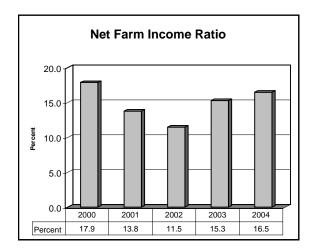
	Avg. Of <u>All Farms</u>	Low 20%	40 - 60%	<u> High 20%</u>
N 1 77	<u> </u>	<u> </u>		
Number of farms	417	83	84	84
Profitability (assets valued at cost)				
Net farm income	51,656	-23,595	36,222	170,864
Labor and management earnings	33,061	-35,286	21,220	134,660
Rate of return on assets	6.70%	-5.80%	5.00%	13.30%
Rate of return on equity	8.00%	-21.60%	4.60%	21.20%
Operating profit margin	16.70%	-25.30%	13.20%	28.30%
Asset turnover rate	39.90%	22.80%	37.40%	47.00%
Interest on farm net worth	18,595	11,691	15,002	36,204
Farm interest expense	18,402	14,932	14,117	33,799
Value of operator lbr and mgmt.	27,079	17,834	24,849	43,253
Return on farm assets	42,978	-26,498	25,489	161,410
Average farm assets	645,296	459,636	514,253	1,211,681
Return on farm equity	24,577	-41,430	11,373	127,611
Average farm equity	307,114	191,391	245,040	601,655
Value of farm production	257,377	104,682	192,382	569,922
Liquidity (cash)	00.000	4.070	40.070	400.540
Net cash farm income	63,929	4,978	46,879	163,518
Net nonfarm income	20,120	37,895	14,914	12,880
Family living and taxes	37,102	32,070	34,340	54,115
Principal due on long term debt	9,815	8,146	7,826	17,589
Cash available for interm. debt	37,131 115,434	2,657	19,627	104,694
Average intermediate debt	115,434	79,385	88,931	209,443
Years to turnover interm. debt	3.1	29.9	4.5	2
Expense as a % of income	79%	96%	79%	76%
Interest as a % of income	6%	10%	6%	5%
Liquidity (accrual)				
Total accrual farm income	312,838	129,523	232,183	705,702
Total accrual operating expense	241,657	135,705	180,566	502,225
Net accrual operating income	71,180	-6,182	51,617	203,477
Net nonfarm income	20,120	37,895	14,914	12,880
Family living and taxes	37,102	32,070	34,340	54,115
Principal due on long term debt	9,815	8,146	7,826	17,589
Available for intermediate debt	44,383	-8,503	24,366	144,653
Average intermediate debt	115,434	79,385	88,931	209,443
Years to turnover interm. debt	2.6	**	3.6	1.4
Expense as a % of income	77%	105%	78%	71%
Interest as a % of income	6%	12%	6%	5%

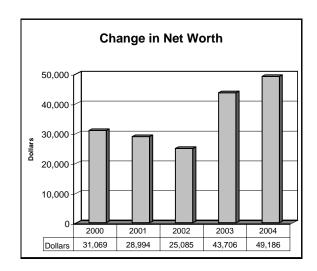
^{**} Income insufficient to meet debt servicing requirements

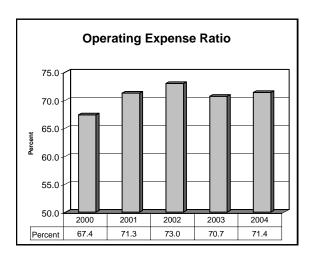


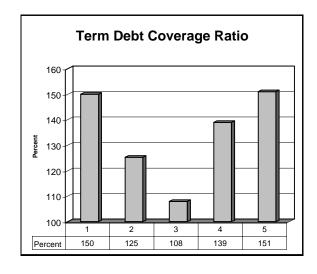
Five Year History of Selected Financial Measures

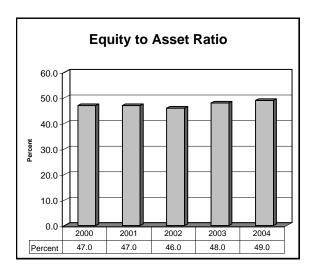












Balance Sheet at Cost Values Northland & Central Lakes Community and Technical Colleges (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	417	83	84	84
Assets Current Farm Assets				
Cash and checking balance Prepaid expenses & supplies Growing crops Accounts receivable Hedging accounts Crops held for sale or feed	8,576	7,986	4,256	18,666
	10,679	5,974	9,280	18,868
	924	561	242	2,827
	24,288	12,022	21,153	48,855
	1,373	427	431	5,140
	67,703	35,868	49,055	142,014
Crops under government loan	5,970	5,494	3,969	7,338
Market livestock held for sale	23,337	16,891	17,529	32,180
Other current assets	1,108	855	175	1,425
Total current farm assets	143,957	86,077	106,090	277,314
Intermediate Farm Assets Breeding livestock Machinery and equipment Titled vehicles Other intermediate assets Total intermediate farm assets	88,894	34,081	72,486	217,421
	164,678	135,060	130,130	283,760
	4,625	4,767	3,883	5,469
	11,646	11,707	8,448	19,832
	269,842	185,615	214,946	526,482
Long Term Farm Assets Farm land Buildings and improvements Other long-term assets Total long-term farm assets Total Farm Assets	161,221	136,966	154,154	225,417
	86,144	48,505	51,274	222,393
	9,671	3,851	7,697	21,363
	257,036	189,322	213,125	469,172
	670,836	461,014	534,162	1,272,968
Total Nonfarm Assets	92,364	100,826	73,887	115,809
Total Assets	763,200	561,840	608,049	1,388,777
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities	4,104	5,004	3,667	3,801
	10,384	7,716	9,627	19,253
	50,562	46,801	41,202	72,556
	5,345	4,971	3,561	6,373
	29,057	18,715	22,244	56,617
	99,452	83,207	80,301	158,600
Total intermediate farm liabs	96,006	70,285	74,580	172,145
Total long term farm liabilities	151,372	125,001	125,935	280,007
Total farm liabilities	346,829	278,494	280,816	610,752
Total nonfarm liabilities	18,680	26,488	11,775	26,215
Total liabilities	365,509	304,982	292,591	636,967
Net worth (farm and nonfarm)	397,691	256,858	315,457	751,810
Net worth change	39,532	-13,645	22,767	131,637
Ratio Analysis Current farm liabilities / assets Curr. & interm farm liab. / assets Long term farm liab. / assets Total debt to asset ratio	69 %	97 %	76 %	57 %
	47 %	56 %	48 %	41 %
	59 %	66 %	59 %	60 %
	48 %	54 %	48 %	46 %

Balance Sheet at Market Values Northland & Central Lakes Community and Technical Colleges (Farms Sorted By Net Farm Income)

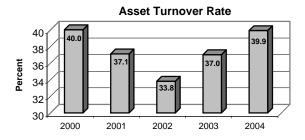
	Avg. Of AII Farms	Low 20%	40 - 60%	High 20%
Number of farms	417	83	84	84
Assets Current Farm Assets Cash and checking balance Prepaid expenses & supplies Growing crops Accounts receivable Hedging accounts Crops held for sale or feed Crops under government loan Market livestock held for sale Other current assets Total current farm assets	8,576	7,986	4,256	18,666
	10,679	5,974	9,280	18,868
	924	561	242	2,827
	24,288	12,022	21,153	48,855
	1,373	427	431	5,140
	67,703	35,868	49,055	142,014
	5,970	5,494	3,969	7,338
	23,337	16,891	17,529	32,180
	1,108	855	175	1,425
	143,957	86,077	106,090	277,314
Intermediate Farm Assets Breeding livestock Machinery and equipment Titled vehicles Other intermediate assets Total intermediate farm assets	90,664	35,766	75,464	219,307
	198,733	157,665	157,829	333,594
	4,890	4,791	3,987	5,647
	11,693	11,758	8,645	19,979
	305,980	209,980	245,926	578,527
Long Term Farm Assets Farm land Buildings and improvements Other long-term assets Total long-term farm assets Total Farm Assets	244,248	211,688	236,885	313,700
	96,280	58,050	62,252	239,665
	9,556	3,847	7,341	21,254
	350,085	273,585	306,477	574,620
	800,022	569,643	658,493	1,430,461
Total Nonfarm Assets	100,894	108,959	77,757	133,825
Total Assets	900,916	678,601	736,250	1,564,285
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities	4,104	5,004	3,667	3,801
	10,384	7,716	9,627	19,253
	50,562	46,801	41,202	72,556
	5,345	4,971	3,561	6,373
	29,057	18,715	22,244	56,617
	99,452	83,207	80,301	158,600
Total intermediate farm liabs	96,006	70,285	74,580	172,145
Total long term farm liabilities	151,372	125,001	125,935	280,007
Total farm liabilities	346,829	278,494	280,816	610,752
Total nonfarm liabilities	18,680	26,488	11,775	26,215
Total liabs excluding deferreds	365,509	304,982	292,591	636,967
Total deferred liabilities	64,799	43,419	50,824	111,341
Total liabilities	430,308	348,401	343,416	748,308
Retained earnings Market valuation equity Net worth (farm and nonfarm) Net worth excluding deferreds Net worth change	397,691	256,858	315,457	751,810
	72,918	73,342	77,378	64,167
	470,609	330,200	392,835	815,977
	535,407	373,619	443,659	927,318
	49,186	-2,690	28,410	135,211
Ratio Analysis Current farm liabilities / assets Curr. & interm farm liab. / assets Long term farm liab. / assets Total debt to asset ratio Debt to assets excl deferreds	69 %	97 %	76 %	57 %
	43 %	52 %	44 %	39 %
	43 %	46 %	41 %	49 %
	48 %	51 %	47 %	48 %
	41 %	45 %	40 %	41 %

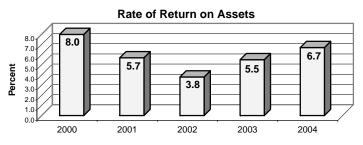
Financial Standards Measures Northland & Central Lakes Community and Technical Colleges (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	417	83	84	84
Liquidity				
Current ratio	1.45	1.03	1.32	1.75
Working capital	44,506	2,870	25,789	118,713
Solvency (market)				
Farm debt to asset ratio	51%	56%	50%	50%
Farm equity to asset ratio	49%	44%	50%	50%
Farm debt to equity ratio	105%	128%	101%	101%
Profitability (cost)				
Rate of return on farm assets	6.70%	-5.80%	5.00%	13.30%
Rate of return on farm equity	8.00%	-21.60%	4.60%	21.20%
Operating profit margin	16.70%	-25.30%	13.20%	28.30%
Net farm income	51,656	-23,595	36,222	170,864
Repayment Capacity				
Term debt coverage ratio	151%	38%	128%	228%
Capital replacement margin	24,251	-22,094	9,559	109,820
Efficiency				
Asset turnover rate (cost)	39.90%	22.80%	37.40%	47.00%
Operating expense ratio	71.40%	93.20%	71.70%	66.40%
Depreciation expense ratio	6.20%	13.40%	6.60%	4.60%
Interest expense ratio	5.90%	11.50%	6.10%	4.80%
Net farm income ratio	16.50%	-18.20%	15.60%	24.20%

Operating Profit Margin X Asset Turnover Rate = Rate of Return on Farm Assets







How Does Your Farm Stack Up?

Below is a summary of the low, average, and high farms for recent years using 16 key management factors. Some factors have a "credit risk rating" shown above the bar, and an * at the left. The ratings are from "Weighing the Variables", a book by David M. Kohl, Virginia Tech, VA. The "Green" indicates the business enjoys a competitive position, the "Yellow" indicates the business has caution signs, and "Red" indicates the business could face some major obstacles in that area. Please be reminded that these credit risk breakpoints are generic in nature and should be viewed over a 5 year period.

For additional information, please see the back cover of this report. A "Financial Scorecard" is provided in color for your use.

Evaluation Chart		Low F	arms	Δνα	erage	High	Farms	Your	Farm
Evaluation Ghart		2004	5 Yr Ave	2004	5 Yr Ave	2004	5 Yr Ave	2004	Ave
		2004	J II AVE	2004	J II AVE	2004	J II AVE	2004	AVE
Liquidity		Red	< 1.0		Yellow	< 1.5 >	Green		
* Current Ratio		1.03	0.91	1.45	1.43	1.75	1.72		
Working Capital	\$	2,870	(7,709)	44,506	36,603	118,713	113,023		
Working Suprice	Ψ	2,010	(1,100)	7 1,000	00,000	110,110	110,020		1
Solvency (Market)		Red < 70% :			Yellow		30% > Green		
* Farm Debt to Asset Ratio	%	56%	59%	51%	53%	50%	51%		
raim Book to 7,000t Hallo	70	0070	0070	0170	0070	0070	0170		
Farm Equity to Asset Ratio	%	44%	41%	49%	47%	50%	49%		
									1
Farm Debt to Equity Ratio	%	128%	145%	105%	111%	101%	102%		
Profitability (Cost)		Red	< 0.0% >	Yellow	< 8.0% >		Green		
* Rate of Return on Farm Assets	%	-5.8%	-4.7%	6.7%	5.9%	13.3%	11.9%		
Rate of Return on Farm Equity	%	-21.6%	-22.1%	8.0%	5.5%	21.2%	17.1%		
Operating Profit Margin	%	-25.3%	-20.6%	16.7%	15.7%	28.3%	26.1%		
Net Farm Income	\$	(23,595)	(22,600)	51,656	39,305	170,864	133,382		
Net i aim income	Ф	(23,595)	(22,000)	31,000	39,303	170,004	133,362		<u> </u>
Beneviment Conscitu (Accessel)		5.1		4400/	V.II. 4	50 0/			
Repayment Capacity (Accrual)	0.4	Red	500/	< 110% >		50% >	Green		
* Term Debt Coverage Ratio	%	38%	52%	151%	135%	228%	205%		
Capital Replacement Margin	\$	(22,094)	(18,707)	24,251	15,124	109,820	75,780		
			, ,	,	,	,	,		
<u>Efficiency</u>									
Asset Turnover Rate (Cost)	%	22.8%	23.3%	39.9%	37.6%	47.0%	45.5%		
,		Red	< 80% >	Yellow		< 65% >	Green		
* Operating Expense Ratio	%	93.2%	87.4%	71.4%	70.8%	66.4%	65.1%		
									1
Depreciation Expense Ratio	%	13.4%	15.3%	6.2%	6.9%	4.6%	5.2%		
		Red < 25% >	Yellow	< 10% >		Green			
* Interest Expense Ratio	%	11.5%	13.0%	5.9%	7.3%	4.8%	5.7%		
Not Form Income Potic	0/	40.00/	45 70/	16 50/	1F 00/	0400/	00.00/		
Net Farm Income Ratio	%	-18.2%	-15.7%	16.5%	15.0%	24.2%	23.9%		

Financial Guideline Measures

The Farm Financial Standards Task Force recommended the use of sixteen financial measures to evaluate a farm's financial position and financial performance. These measures are grouped by: Liquidity, Solvency, Profitability, Repayment Capacity, and Efficiency.

Liquidity

Liquidity is the ability of the farm business to meet financial obligations in a timely manner, without disrupting normal business operations.

Current Ratio: The current ratio shows the value of current assets relative to current liabilities. It measures the extent current farm assets, if liquidated, would cover liabilities that are due during the next 12 months. The higher the ratio, the safer the short term position.

Working Capital: Working capital shows the dollar amount that current assets can or cannot cover current liabilities. It approximates the amount of capital available to purchase crop and livestock inputs and equipment necessary to produce farm products. The amount of working capital considered adequate must be related to the size of the farm business.

Solvency

Solvency is important in evaluating the risk position of the farm and family and in considering future borrowing capacity. Solvency measures the ability of the business to pay off all debts if liquidated.

Farm Debt To Asset Ratio: The farm debt to asset ratio measures the financial position or solvency of the farm or ranch by comparing the total liabilities to the total assets. It measures the portion of the farm assets that have debt against them. A higher ratio is considered an indicator of greater financial risk.

Farm Equity To Asset Ratio: The farm equity to asset ratio measures the farm equity relative to the value of the farm assets. It measures the proportion of the farm assets financed by the owner's equity whereas the debt to asset ratio measured the proportion of farm assets financed by debt.

Farm Debt To Equity Ratio: The farm debt to equity ratio measures the amount of farm debt relative to the amount of farm equity. It measures the amount of debt the farm has for every dollar of equity the farm has.

Profitability

Profitability is the measure of the value of goods produced by the business in relation to the cost of resources used in the production. Profitability calculated on a cost basis does not consider changes in market valuation of capital assets such as machinery and breeding livestock.

Rate of Return on Assets: Rate of return on assets is, in effect, the interest rate your farm earned in the past year on all money invested in the business. If assets are valued at market value, the rate of return on investment can be looked at as the "opportunity cost" of investing money in the farm instead of alternative investments. If assets are valued at cost (cost less depreciation), the rate of return represents the actual return on the average dollar invested in the business.

Rate of Return on Equity: Rate of return on equity is, in effect, the interest rate your investment in the business earned in the past year. If assets are valued at market value, this return can be compared with returns available if the assets were liquidated and invested in alternative investments. If assets are valued at cost, this represents the actual return to the amount of equity capital you have invested in the farm business.

Financial Guideline Measures

If your return on assets is higher than your average interest rate, your return on equity will be still higher, reflecting the fact that there are residual returns to equity capital after paying all interest expense. This is positive use of financial leverage. If your return on assets is lower than your average interest rate, your return on equity will be still lower, reflecting the fact that borrowed capital did not earn enough to pay it's interest cost. This is negative financial leverage. As your debt to asset ratio increases, these relationships become more pronounced. So profitability becomes a key concern when substantial debt capital is used in the business.

Net Farm Income: Net farm income represents the returns to labor, management, and equity capital invested in the business. Without income from other sources, or appreciation of capital asset values, net farm income must cover family living expenses and taxes, or net worth will decrease.

Operating Profit Margin: The operating profit margin is a measure of the profit margin from the employment of assets. It measures how effectively you are employing assets relative to the value of output produced. Low prices, high operating expenses, or production problems are all possible causes of a low operating profit margin.

Repayment Capacity

Repayment capacity measures the ability to repay term debt (longer than one year) and to replace capital assets.

Term Debt Coverage Ratio: The term debt coverage ratio measures the ability of the business to cover all term debt payments. A number less than 100 percent indicates that the business, plus non-farm income, is not generating sufficient cash to meet all of the debt payments, after family living expenses and taxes have been paid. A number greater than 100 indicates the business is generating sufficient cash to pay all term debt obligations with some surplus margin remaining.

Capital Replacement Margin: The capital replacement margin is the amount of money remaining from farm and non-farm income after all operating expenses, taxes, family living and debt payments have been paid. It is the amount available for acquiring capital assets, such as machinery and land, or servicing additional debt.

Efficiency

These measures reflect the relationships between expense and income items to revenue and the efficiency of the farm business with regard to the use of cash and capital assets.

Asset Turnover: Asset turnover is a measure of how efficiently assets are used in the business. A farm with good operating profit margin and asset turnover will show a strong rate of return on farm assets. If operating profit margin is low, the asset turnover rate must be strong, or vice versa, to maintain the rate of return on assets.

Operating Expense Ratio: This ratio indicates the percent of the gross farm income, which is used to pay the operating expenses. Operating expenses do not include interest or depreciation expense.

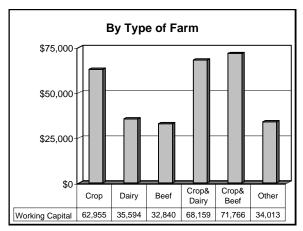
Depreciation Expense Ratio: This ratio indicates the percent of the gross farm income, which is used to cover the depreciation expense.

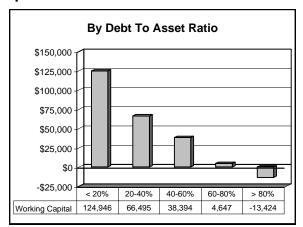
Interest Expense Ratio: This ratio indicates the percent of the gross farm income, which is used to pay farm interest expenses.

Net Farm Income Ratio: The ratio indicates the percent of the gross farm income, which remains after all expenses.

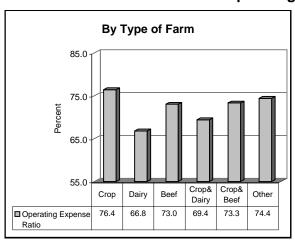
Selected Financial Guideline Measures

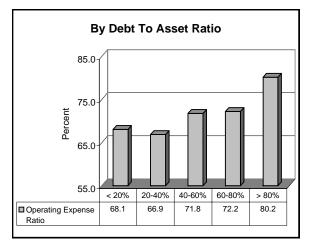
Working Capital



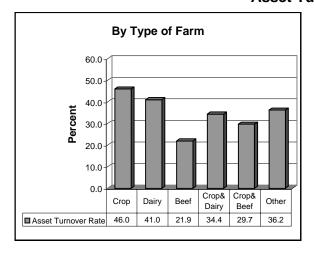


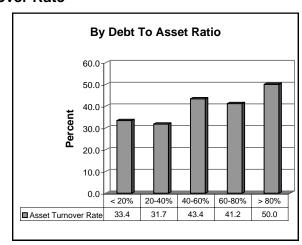
Operating Expense Ratio





Asset Turnover Rate





Statement Of Cash Flows Northland & Central Lakes Community and Technical Colleges (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	417	83	84	84
Beginning cash (farm & nonfarm)	9,781	11,685	5,025	14,475
Cash From Operating Activities				
Gross cash farm income	306,049	139,581	228,568	670,613
Net nonfarm income	20,120	37,895	14,914	12,880
Total cash farm expense	-242,120	-134,603	-181,689	-507,095
Apparent family living expense	-33,869	-28,969	-31,675	-48,656
Income and social security tax	-3,127	-3,100	-2,665	-5,324
Cash from operations	47,052	10,804	27,453	122,417
Cash From Investing Activities				
Sale of breeding livestock	2,685	2,168	2,039	4,064
Sale of machinery & equipment	2,040	2,429	748	4,069
Sale of titled vehicles	15	, -	<u>-</u>	76
Sale of farm land	3,951	6,000	4,199	6,273
Sale of farm buildings	350	151	1,429	5
Sale of other farm assets	116	96	100	247
Sale of nonfarm assets	2,920	861	503	3,099
Purchase of breeding livestock	-10,247	-7,290	-6,338	-23,824
Purchase of machinery & equip.	-30,150	-15,980	-20,475	-60,604
Purchase of titled vehicles	-1,261	-599	-367	-1,725
Purchase of farm land	-9,330	-2,404	-9,171	-12,777
Purchase of farm buildings	-8,474	-5,402	-7,662	-14,541
Purchase of other farm assets	-963	-500	-609	-2,129
Purchase of nonfarm assets	-7,436	-5,425	-8,085	-10,946
Cash from investing activities	-55,784	-25,895	-43,691	-108,712
Cash From Financing Activities				
Money borrowed	130,577	113,591	118,869	173,333
Cash gifts and inheritances	1,534	2,603	560	251
Principal payments	-121,354	-99,042	-102,500	-179,940
Dividends paid	-106	· -1	, -	-134
Gifts given	-221	-437	-75	-505
Cash from financing activities	10,431	16,714	16,853	-6,996
Net change in cash balance	1,699	1,623	615	6,709
Ending cash (farm & nonfarm)	11,480	13,307	5,640	21,184

Household and Personal Expenses Northland & Central Lakes Community and Technical Colleges (Farms Sorted By Net Farm Income)

	Avg. Of		40000/	W. I. 000/
	All Farms	Low 20%	40 - 60%	High 20%
Number of farms	74	14	15	10
Average family size	3.5	2.9	3.9	4.5
Family Living Expenses				
Food and meals expense	6,511	5,845	6,648	8,181
Medical care	2,785	2,964	2,013	3,890
Health insurance	3,017	1,987	2,109	4,213
Cash donations	1,083	1,014	1,131	1,495
Household supplies	3,199	3,221	4,074	5,631
Clothing	1,065	632	1,149	1,825
Personal care	2,999	2,167	3,248	5,200
Child / Dependent care	210	284	196	119
Alimony and Child support	86	441	-	-
Gifts	1,441	1,357	863	1,829
Education	908	509	804	1,387
Recreation	1,495	1,246	1,699	1,751
Utilities (household share)	1,604	1,462	968	2,269
Nonfarm vehicle operating expense	2,340	2,200	3,121	1,645
Household real estate taxes	314	677	540	-
Dwelling rent	143	2	164	-
Household repairs	1,351	2,346	695	694
Nonfarm interest	662	1,604	391	458
Disability / Long term care insuran	266	410	184	212
Life insurance payments	1,253	596	1,413	1,707
Nonfarm property insurance	34	51	12	-
Miscellaneous	1,226	311	2,290	1,500
Total cash family living expense	33,990	31,323	33,713	44,004
Family living from the farm	549	372	615	338
Total family living	34,540	31,694	34,328	44,342
Other Nonfarm Expenditures				
Income taxes	3,656	3,765	1,404	6,672
Furnishing & appliance purchases	127	263	154	152
Nonfarm vehicle purchases	1,010	-140	2,728	1,255
Nonfarm real estate purchases	2,791	1,975	190	11,963
Other nonfarm capital purchases	361	-	438	-
Nonfarm savings & investments	1,817	2,099	2,121	1,842
Total other nonfarm expenditures	9,761	7,962	7,037	21,884
Total cash family living				
investment & nonfarm capital purch	43,751	39,285	40,750	65,888

Nonfarm Summary Northland & Central Lakes Community and Technical Colleges (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	417	83	84	84
Nonfarm Income				
Nonfarm wages & salary	14,011	25,957	9,804	8,728
Net nonfarm business income	1,722	4,206	1,187	955
Nonfarm rental income	139	157	189	117
Nonfarm interest income	248	612	108	273
Nonfarm cash dividends	106	220	8	146
Taxrefunds	1,233	1,702	1,038	979
Other nonfarm income	2,666	5,040	2,581	1,681
Total nonfarm income	20,124	37,895	14,914	12,880
Gifts and inheritances	1,534	2,603	560	251
Nonfarm Assets (market)				
Checking & savings	2,904	5,321	1,384	2,518
Stocks & bonds	3,449	1,304	1,892	10,005
Other current assets	1,473	2,030	137	1,659
Furniture & appliances	8,932	9,884	8,339	9,186
Nonfarm vehicles	9,182	12,112	8,254	10,495
Cash value of life ins.	4,771	3,723	4,092	8,217
Retirement accounts	17,356	15,173	7,780	28,739
Other intermediate assets	6,929	9,566	4,694	5,691
Nonfarm real estate	39,832	48,566	37,970	50,062
Other long term assets	6,067	1,279	3,214	7,252
Total nonfarm assets	100,894	108,959	77,757	133,825
Nonfarm Liabilities				
Accrued interest	60	251	8	27
Accounts payable	1,260	2,254	2,092	711
Current notes	954	2,630	552	249
Princ due on term debt	1,709	2,220	1,415	1,977
Total current liabilities	3,982	7,355	4,067	2,964
Intermediate liabilities	3,975	6,252	3,547	2,485
Long term liabilities	10,722	12,881	4,162	20,766
Total nonfarm liabilities	18,680	26,488	11,775	26,215
Nonfarm net worth	82,214	82,470	65,982	107,610
Nonfarm debt to asset ratio	19 %	24 %	15 %	20 %

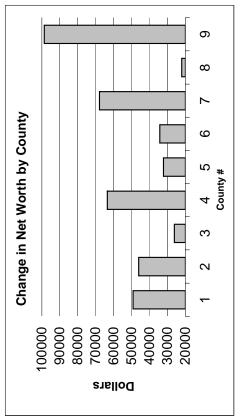
Operator and Labor Information Northland & Central Lakes Community and Technical Colleges (Farms Sorted By Net Farm Income)

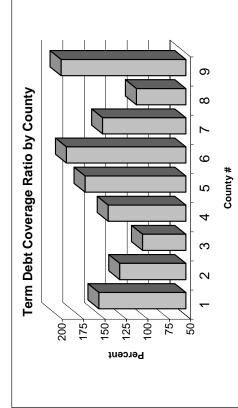
	Avg. Of			
	All Farms	Low 20%	40 - 60%	High 20%
Number of farms	417	83	84	84
Operator Information				
Average number of operators	1.2	1.1	1.1	1.5
Average age of operators	46.4	47.3	46.5	45.3
Average number of years farming	22.0	22.8	22.1	22.7
Results Per Operator				
Working capital	36,955	2,562	22,683	81,271
Total assets (market)	748,073	605,634	647,592	1,070,904
Total liabilities	357,304	310,939	302,062	512,289
Net worth (market)	390,768	294,695	345,530	558,615
Net worth excl deferred liabs	444,574	333,445	390,234	634,839
Gross farm income	259,764	115,596	204,224	483,121
Total farm expense	216,871	136,654	172,364	366,148
Net farm income	42,892	-21,058	31,860	116,973
Net nonfarm income	16,707	33,820	13,118	8,818
Family living & tax withdrawals	30,808	28,621	30,205	37,047
Total acres owned	333.3	355.2	292.0	366.8
Total crop acres	598.0	458.1	501.7	782.3
Crop acres owned	222.7	213.5	189.7	269.1
Crop acres cash rented	359.6	233.4	282.1	501.7
Crop acres share rented	15.7	11.3	29.9	11.5
Total pasture acres	30.1	22.6	26.6	19.3
Labor Analysis				
Number of farms	417	83	84	84
Total unpaid labor hours	2,973			4,369
Total dispard labor hours		2,059 611	2,997 924	
	1,728			4,855
Total labor hours per farm	4,700	2,670	3,921 2,636	9,224
Unpaid hours per operator	2,468	1,838	,	2,991
Value of farm production / hour	54.76	39.21	49.07	61.79
Net farm income / unpaid hour	17.38	-11.46	12.08	39.11
Average hourly hired labor wage	9.98	10.07	11.99	9.81
Partnerships & LLCs		•		40
Number of farms	52	9	8	18
Number of operators	2.1	1.8	2.0	2.3
Owner withdrawals per farm	39,586	-	-	51,066
Withdrawals per operator	19,001	-	-	21,885
Corporations				
Number of farms	12	2	-	3
Number of operators	1.8	-	-	-

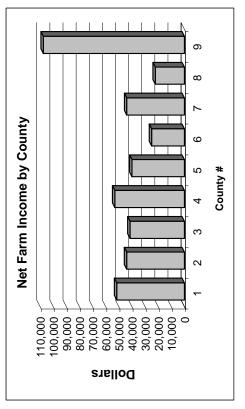
Financial Summary Northland & Central Lakes Community and Technical Colleges (Farms Sorted By Net Farm Income)

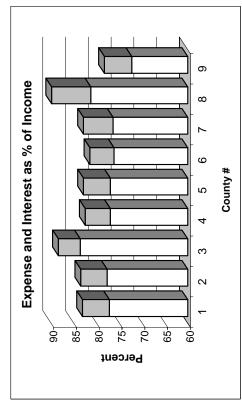
	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	417	83	84	84
Income Statement				
Gross cash farm income	306,049	139,581	228,568	670,613
Total cash farm expense	242,120	134,603	181,689	507,095
Net cash farm income	63,929	4,978	46,879	163,518
Inventory change	7,252	-11,160	4,739	39,959
Depreciation and capital adjust	-19,524	-17,413	-15,395	-32,612
Net farm income	51,656	-23,595	36,222	170,864
Profitability (cost)				
Labor and management earnings	33,061	-35,286	21,220	134,660
Rate of return on assets	6.7 %	-5.8 %	5.0 %	13.3 %
Rate of return on equity	8.0 %	-21.6 %	4.6 %	21.2 %
Operating profit margin	16.7 %	-25.3 %	13.2 %	28.3 %
Asset turnover rate	39.9 %	22.8 %	37.4 %	47.0 %
Liquidity				
Ending current ratio	1.45	1.03	1.32	1.75
Ending working capital	44,506	2,870	25,789	118,713
End working capital to gross inc	14.5 %	2.1 %	11.3 %	17.7 %
Term debt coverage ratio	151.5 %	38.2 %	127.5 %	227.7 %
Expense as a percent of income	77.2 %	104.8 %	77.8 %	71.2 %
Interest as a percent of income	5.9 %	11.5 %	6.1 %	4.8 %
Solvency (market)				
Number of farms	417	83	84	84
Ending farm assets	800,022	569,643	658,493	1,430,461
Ending farm liabilities	409,364	319,593	330,523	718,382
Ending total assets	900,916	678,601	736,250	1,564,285
Ending total liabilities	430,308	348,401	343,416	748,308
Ending net worth	470,609	330,200	392,835	815,977
Net worth change	49,186	-2,690	28,410	135,211
Ending farm debt to asset ratio	51 %	56 %	50 %	50 %
Beg total debt to asset ratio	50 %	50 %	47 %	52 %
End total debt to asset ratio	48 %	51 %	47 %	48 %
Nonfarm Information				
Net nonfarm income	20,120	37,895	14,914	12,880
Farms reporting living expenses	103	19	19	17
Total family living expense	31,585	30,593	32,314	37,801
Total living, invest, & capital	45,188	41,531	43,652	67,189
Crop Acres				
Total acres owned	401	398	332	536
Total crop acres	720	513	570	1,143
Total crop acres owned	268	239	216	393
Total crop acres cash rented	433	261	321	733
Total crop acres share rented	19	13	34	17

Selected Factors by County Group









	,	[u	ű		l	·		ď	ű
County #	1	2	3	4	5	9	,	8	6
							Aitkin	Isanti	
				Clay	Becker	Beltrami	Cass	Kanabec	Benton
		Kittson	Pennington	Mahnomen	Otter Tail	Clearwater	Carlton	Mille Lacs	Morrison
Counties	All Farms	Roseau	Polk	Norman	Wadena	Koochiching	Crow Wing	Pine	Lodd
		Marshall	Red Lake	Wilkin	Douglas	LOW	Hubbard	Sherburne	Stearns
							Itasca	Washington	
							St. Louis		

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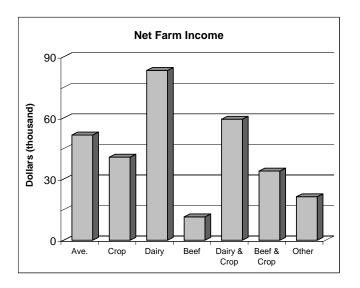
Farm Business Management Education Programs

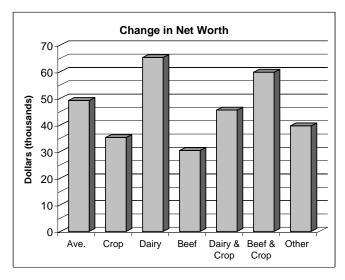
Financial Summary Northland and Central Lakes) Na	Rocker	Reltrami	Aitkin, Cass	Isanti	Repton
Community & Technical Colleges	es	Kittson	Pennington Polk	Mahnomen	Douglas Offer Tail	Clearwater	Crow Wing Hubbard Itasca	Mille Lacs, Pine	Morrison
County Group Summary	Average	Marshall	Red Lake	Wilkin	Wadena	Lake of Woods	St. Louis	Washington	Stearns
Number of Farms	417	38	92	20	70	41	16	23	80
Income Statement									
Gross Cash Farm Income	306,049	315,513	392,016	303,076	257,130	167,641	249,458	198,435	434,727
Total Cash Farm Expense	242,120	230,036	311,998	227,778	211,092	128,898	198,062	172,485	343,924
Net Cash Farm Income	63,929	85,477	80,018	75,298	46,038	38,744	51,396	25,950	90,804
Inventory Change	7,252	(19,905)	(17,984)	(2,063)	15,718	1,287	9,605	13,866	39,839
Dep & Capital Adjustment	(19,524)	(21,514)	(20,498)	(15,116)	(21,645)	(15,007)	(16,980)	(17,617)	(23,010)
Net Farm Income	51,656	44,058	41,536	53,119	40,110	25,024	44,021	22,198	107,633
Profitability (Cost)									
Labor & Management Earnings	33,061	17,218	20,827	33,232	26,764	10,676	33,404	8,772	83,350
Rate of Return on Assets	%2'9	3.8%	4.0%	%8.9	%9.9	2.7%	8.4%	2.9%	11.9%
Rate of Return on Equity	8.0%	2.8%	3.0%	7.7%	8.5%	1.0%	13.6%	-1.5%	19.0%
Operating Profit Margin	16.7%	10.8%	8.2%	15.4%	17.3%	8.1%	21.7%	8.9%	29.3%
Asset Turnover Kate	39.9%	35.4%	48.8%	41.2%	38.1%	33.5%	39.0%	32.9%	40.5%
Liquidity									
Ending current ratio	1.45	1.73	1.35	1.33	1.61	1.92	1.10	1.27	1.47
Ending working capital	44,506	92,606	55,259	40,904	38,028	38,008	8,218	24,053	45,651
End working capital to gross inc	14.5%	29.4%	14.1%	13.5%	14.8%	22.7%	3.3%	12.1%	10.5%
Term Debt Coverage Ratio	151.5%	127.2%	100.6%	140.7%	167.7%	189.4%	147.2%	107.7%	195.7%
Expense as a Percent of Income	77.2%	77.77	83.6%	%0.77	77.0%	76.2%	76.4%	81.3%	72.3%
Interest as a Percent of Income	2.9%	2.8%	4.8%	2.5%	2.9%	2.3%	6.5%	8.6%	%0.9
Solvency (Market)									
Number of Farms	417	38	92	20	70	41	16	23	80
Ending Farm Assets	800,022	918,004	816,924	804,703	649,438	546,982	581,964	731,593	1,090,252
Ending Farm Liabilities	409,364	407,531	456,364	378,891	344,602	222,269	333,475	395,597	576,905
Ending Total Assets	900,916	1,030,960	898,246	934,662	725,913	653,127	671,542	862,216	1,183,368
Ending Total Liabilities	430,308	423,289	478,178	413,140	361,180	231,095	340,884	425,584	597,000
Ending Net Worth	470,609	607,671	420,068	521,522	364,733	422,031	330,658	436,631	586,368
Net Worth Change	49,186	45,999	26,151	63,563	32,258	34,229	67,891	22,063	98,629
Ending Farm Debt to Asset Ratio	21%	44%	26%	47%	23%	41%	21%	24%	23%
Beg Total Debt to Asset Ratio	20%	44%	24%	48%	20%	36%	28%	49%	54%
End Total Debt to Asset Ratio	48%	41%	23%	44%	20%	35%	21%	49%	20%
Nonfarm Information	;	!				;	;	;	
Net Nontarm Income	20,120	19,815	18,488	23,575	14,735	25,941	20,140	23,616	18,757
Farm Reporting Liv Expenses	103		9	17	24	9	•	18	27
Total Family Living Expense	31,585		43,923	40,237	25,863	27,077		29,178	31,918
Total Liv, Invest, & Cap Purch	45,188		58,559	57,547	34,344	38,590	•	38,452	51,491
Crop Acres Total Acres Owned	401	888	512	453	243	524	240	237	273
Total Crop Acres	720	1541	1409	880	375	433	410	410	337
Total Crop Acres Owned	768	134	604	303	176	236	7	120	162
Total Crop Acres Cash Rented	433	739	953	303	225	189	257	275	174
Total Crop Acres Share Rent	19	80	33	23	8	ි -	44) (G	: -
	!	}	;		,	,			

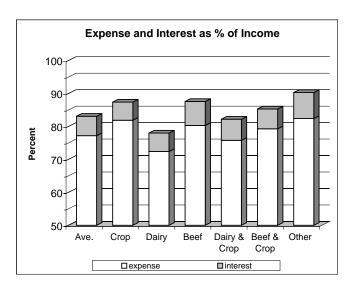
Financial Summary Northland & Central Lakes Community and Technical Colleges (Farms Sorted By Farm Type)

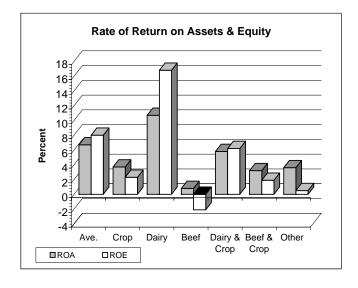
	Avg. Of All Farms	Сгор	Dairy	Beef	Crop and Dairy	Crop and Beef	<u>Other</u>
Number of farms	417	98	163	41	15	19	78
Income Statement							
Gross cash farm income	306,049	367,141	361,258	95,003	366,715	269,950	188,904
Total cash farm expense	242,120	282,160	279,494	80,193	291,740	212,927	163,642
Net cash farm income	63,929	84,981	81,765	14,810	74,975	57,022	25,261
Inventory change	7,252	-22,745	23,824	4,670	16,945	304	10,000
Depreciation and capital adjust	-19,524	-21,447	-22,235	-7,995	-32,495	-23,354	-13,889
Net farm income	51,656	40,789	83,354	11,485	59,424	33,972	21,373
Profitability (cost)							
Labor and management earnings	33,061	18,175	64,106	-1,192	31,671	7,657	9,698
Rate of return on assets	6.7 %	3.7 %	10.7 %	0.8 %	5.8 %	3.2 %	3.6 %
Rate of return on equity	8.0 %	2.3 %	16.8 %	-2.1 %	6.2 %	1.9 %	0.5 %
Operating profit margin	16.7 %	8.1 %	26.1 %	3.7 %	16.8 %	10.7 %	10.0 %
Asset turnover rate	39.9 %	46.0 %	41.0 %	21.9 %	34.4 %	29.7 %	36.2 %
Liquidity							
Ending current ratio	1.45	1.38	1.51	1.86	1.53	1.54	1.39
Ending working capital	44,506	62,955	35,594	32,840	68,159	71,766	34,013
End working capital to gross inc	14.5 %	17.1 %	9.9 %	34.6 %	18.6 %	26.6 %	18.0 %
Term debt coverage ratio	151.5 %	100.9 %	188.2 %	178.7 %	144.9 %	134.1 %	117.8 %
Expense as a percent of income	77.2 %	81.9 %	72.4 %	80.3 %	75.8 %	79.3 %	82.4 %
Interest as a percent of income	5.9 %	5.5 %	5.6 %	7.3 %	6.4 %	6.0 %	7.9 %
Solvency (market)							
Number of farms	417	98	163	41	15	19	78
Ending farm assets	800,022	897,400	841,408	452,611	1,176,706	1,054,304	619,512
Ending farm liabilities	409,364	462,922	441,049	167,934	571,514	468,427	335,538
Ending total assets	900,916	1,039,875	926,510	552,241	1,286,369	1,092,106	713,965
Ending total liabilities	430,308	492,749	458,397	187,253	579,601	469,583	359,294
Ending net worth	470,609	547,126	468,113	364,988	706,767	622,523	354,671
Net worth change	49,186	35,278	65,318	30,396	45,564	59,793	39,651
Ending farm debt to asset ratio	51 %	52 %	52 %	37 %	49 %	44 %	54 %
Beg total debt to asset ratio End total debt to asset ratio	50 % 48 %	49 % 47 %	53 % 49 %	35 % 34 %	45 % 45 %	44 % 43 %	52 % 50 %
End total debt to asset fatto	40 /0	41 /0	45 /0	34 /0	45 /6	43 /0	30 /6
Nonfarm Information							
Net nonfarm income	20,120	19,151	12,685	40,681	17,734	18,644	26,956
Farms reporting living expenses	103	25	47	8	5	3	15
Total family living expense	31,585	36,518	29,965	35,133	41,485	-	24,576
Total living, invest, & capital	45,188	52,268	46,593	47,262	43,163	-	31,536
Crop Acres							
Total acres owned	401	601	254	394	510	838	338
Total crop acres	720	1,587	283	287	897	991	673
Total crop acres owned	268	500	136	156	472	509	214
Total crop acres cash rented	433	1,051	146	121	373	468	425
Total crop acres share rented	19	36	1	10	52	14	34

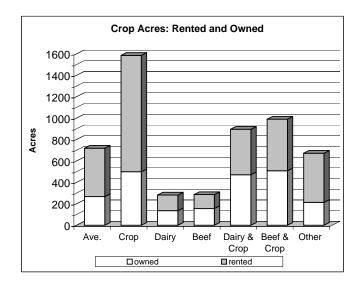
Selected Factors by Type of Farm

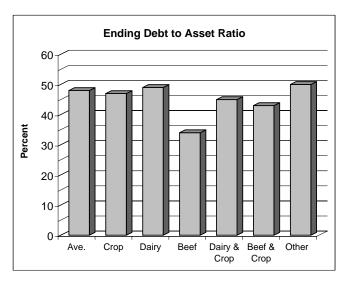












Financial Summary Northland & Central Lakes Community and Technical Colleges (Farms Sorted By Gross Farm Income)

	Less than 50,000	50,001 - 100,000	100,001 - 250,000	250,001 - 500,000	500,001 - 1,000,000	Over 1,000,000
Number of farms	46	63	140	107	44	17
Income Statement						
Gross cash farm income	27,199	74,557	176,029	350,988	647,996	1,821,321
Total cash farm expense	36,331	64,872	139,373	269,554	501,822	1,457,136
Net cash farm income	-9,132	9,685	36,657	81,434	146,174	364,185
Inventory change	4,286	5,265	8,984	8,865	-16,069	58,572
Depreciation and capital adjust	-6,411	-7,017	-11,274	-24,699	-36,073	-93,900
Net farm income	-11,257	7,933	34,367	65,599	94,033	328,857
Profitability (cost)						
Labor and management earnings	-17,071	-1,343	20,500	45,730	59,119	252,461
Rate of return on assets	-7.3 %	0.1 %	5.5 %	7.8 %	6.8 %	11.4 %
Rate of return on equity	-22.6 %	-5.0 %	5.4 %	10.8 %	8.6 %	18.3 %
Operating profit margin	-56.4 %	0.3 %	15.2 %	19.5 %	14.8 %	23.2 %
Asset turnover rate	13.0 %	22.9 %	35.9 %	40.3 %	46.2 %	49.2 %
Liquidity						
Ending current ratio	1.39	1.47	1.59	1.40	1.40	1.43
Ending working capital	9,130	15,242	35,102	47,521	93,920	179,241
End working capital to gross inc	33.6 %	20.4 %	19.9 %	13.5 %	14.5 %	9.8 %
Term debt coverage ratio	100.8 %	113.1 %	148.3 %	149.5 %	123.9 %	218.7 %
Expense as a percent of income	115.5 %	81.6 %	75.3 %	74.9 %	79.5 %	77.3 %
Interest as a percent of income	19.5 %	9.6 %	6.1 %	6.0 %	5.3 %	4.8 %
Solvency (market)						
Number of farms	46	63	140	107	44	17
Ending farm assets	282,231	396,374	578,256	894,757	1,442,326	3,264,578
Ending farm liabilities	140,073	179,866	263,070	478,989	764,984	1,834,661
Ending total assets	379,519	480,676	671,283	1,007,708	1,565,197	3,368,744
Ending total liabilities	165,448	197,860	279,332	504,564	783,996	1,868,926
Ending net worth	214,071	282,815	391,951	503,144	781,201	1,499,817
Net worth change Ending farm debt to asset ratio	10,609 50 %	21,953 45 %	30,047 45 %	55,099 54 %	77,420 53 %	301,811 56 %
Beg total debt to asset ratio	42 %	45 % 42 %	41 %	53 %	53 % 53 %	61 %
End total debt to asset ratio	44 %	41 %	42 %	50 %	50 %	55 %
Nonfarm Information						
Net nonfarm income	41,404	28,961	18,397	12,771	12,443	10,086
Farms reporting living expenses	14	20,901	42	26	12,443	10,080
Total family living expense	30,896	22,531	28,910	34,134	45,516	_
Total living, invest, & capital	42,453	34,692	40,700	46,466	60,673	_
	.2, 100	3 1,002	.5,700	.5, 100	20,010	
Crop Acres	050	242	240	400	704	770
Total crop acros	252 213	313 274	319 478	430 875	731 1,782	778 2,021
Total crop acres Total crop acres owned	101	274 141	478 201	339	538	2,021 602
Total crop acres cash rented	101	126	263	507	1,203	1,410
Total crop acres cash reflect Total crop acres share rented	11	7	14	29	40	1,410
. J.a. Grop agrod driato fortion		,	17	20	70	0

Financial Summary Northland & Central Lakes Community and Technical Colleges (Farms Sorted By Total Crop Acres)

	Less than 100	101 - 250	251 - 500	501 - 1,000	1,001 - 1,500	1,501 - 2,000	2,001 - 5,000
Number of farms	55	87	110	67	39	23	34
Income Statement							
Gross cash farm income	162,468	140,249	223,061	317,267	579,412	658,513	605,472
Total cash farm expense	131,303	113,116	173,040	250,778	487,506	504,757	461,957
Net cash farm income	31,166	27,133	50,021	66,489	91,906	153,755	143,515
Inventory change	3,705	10,052	14,213	9,706	29,847	3,824	-42,967
Depreciation and capital adjust	-9,031	-10,752	-17,196	-23,830	-24,115	-42,098	-35,533
Net farm income	25,839	26,433	47,038	52,365	97,637	115,481	65,015
Profitability (cost)							
Labor and management earnings	18,682	15,382	31,049	31,845	68,312	84,265	29,109
Rate of return on assets	5.4 %	5.1 %	7.1 %	6.1 %	8.8 %	9.7 %	4.0 %
Rate of return on equity	6.3 %	4.7 %	8.8 %	6.6 %	12.2 %	15.5 %	3.0 %
Operating profit margin	15.0 %	17.2 %	21.1 %	16.5 %	18.0 %	21.5 %	8.2 %
Asset turnover rate	36.1 %	29.6 %	33.5 %	37.3 %	48.7 %	44.9 %	48.2 %
Liquidity							
Ending current ratio	1.09	1.71	1.58	1.54	1.26	1.32	1.39
Ending working capital	3,826	22,505	34,995	57,515	53,714	73,562	105,375
End working capital to gross inc	2.4 %	16.0 %	15.7 %	18.1 %	9.3 %	11.2 %	17.4 %
Term debt coverage ratio	128.1 %	164.5 %	146.8 %	164.5 %	179.9 %	174.0 %	95.0 %
Expense as a percent of income	79.1 %	75.0 %	72.9 %	76.7 %	80.0 %	76.2 %	82.3 %
Interest as a percent of income	6.3 %	6.3 %	6.5 %	6.5 %	5.0 %	6.2 %	4.9 %
Solvency (market)							
Number of farms	55	87	110	67	39	23	34
Ending farm assets	412,647	472,394	688,043	877,960	1,238,822	1,557,580	1,379,439
Ending farm liabilities	244,939	210,954	337,412	443,202	674,219	878,639	713,208
Ending total assets	476,710	570,441	787,941	973,516	1,354,910	1,729,526	1,495,084
Ending total liabilities	267,995	227,658	357,094	457,092	706,789	920,211	733,566
Ending net worth	208,715	342,784	430,847	516,424	648,121	809,315	761,519
Net worth change	42,000	27,605	37,824	46,877	83,506	117,939	68,079
Ending farm debt to asset ratio	59 %	45 %	49 %	50 %	54 %	56 %	52 %
Beg total debt to asset ratio End total debt to asset ratio	60 % 56 %	41 % 40 %	47 % 45 %	49 % 47 %	54 % 52 %	58 % 53 %	52 % 49 %
Nonfarm Information Net nonfarm income	10.070	27.056	40.220	20.454	16.066	4F 060	10 115
	19,078	27,956	19,338	20,451	16,266	15,868	12,115
Farms reporting living expenses	8 25,182	32 31,866	30 29,330	13 26,159	16 39,914	-	4
Total family living expense Total living, invest, & capital	33,066	45,068	29,330 44,718	29,524	58,939	-	-
Crop Acres							
Total acres owned	140	227	318	516	455	702	987
Total crop acres	35	181	359	733	1,240	702 1,747	2,751
Total crop acres owned	22	103	185	304	396	624	837
Total crop acres cash rented	12	78	164	414	819	1,064	1,820
Total crop acres share rented	1	1	104	14	25	60	94
Total Grop dolog strate fortica	ı	'	10	1-7	20	00	54

Individual Enterprise Analysis Tables

The individual crop and livestock tables are designed to identify the costs and returns for specific enterprises on the farm. Data from all farmers with each enterprise is merged. The minimum number of farms, in order to print a given column on the following reports, is five (5). This enables the necessary level of confidentiality for publication of this information.

The <u>crop</u> reports list acres, yield, value per unit, (usually the sales price or an assigned market value) and the gross return per acre. The price includes cash price plus any Loan Deficiency Payment (LDP). Miscellaneous income would include crop insurance payment or crop specific government payment.

Costs such as fertilizer, chemicals, seed, crop drying expenses, hired labor, and custom hire are costs that are assigned to each individual crop. These costs are shown in the crop enterprise analysis as *Direct Costs*.

Other costs, called *Overhead Costs*, are divided out by formula. Overhead costs are assigned by an allocation factor to each enterprise. The allocation factor is based on historical data of labor and capital intensity.

There are a couple of subtle differences between the Owned Land and Cash Rented Land tables. Naturally, on cash rented land, the actual cost of renting the land is reported in the direct cost section. On the owned land, the land cost consists of three different lines of information in the overhead cost section. The two costs that would be included for owned land are: real-estate taxes, and interest on long-term debt.

The Labor and Management Charge is calculated by taking five (5) percent of the gross farm revenue and a per operator charge of \$15,000.

Government Payments near the bottom of the page include Direct and Counter Cyclical payments. They are spread across all tillable acres except edible beans, potatoes and other vegetable crops.

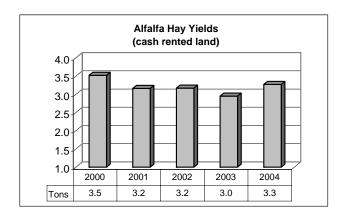
The <u>livestock</u> reports have a format similar to the crop reports. Production information is listed at the top of each table. This will include animal or product sales, purchases, sales, transfers, and inventory change.

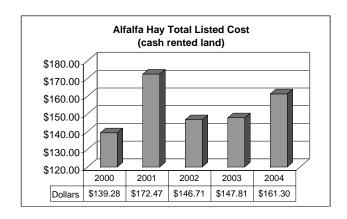
The *Direct Costs* include costs that are assigned to the enterprise, including items such as: feed, veterinary, breeding, marketing, hired labor, fuel & repairs, and livestock supplies. The *Overhead Costs* include formula-assigned costs, including items such as: depreciation, interest, utilities, and insurances.

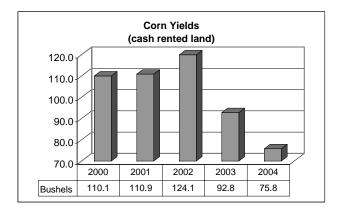
At the bottom of each livestock report, there is a list of selected factors for each enterprise. These factors are a combination of production indicators and efficiency indicators.

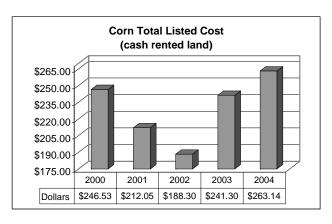
Towards the bottom of both the <u>crop and livestock</u> enterprise tables, are four (4) factors that show varying levels of Cost of Production. Those factors include a cost of production based on: direct costs, overhead & direct costs, total cost including labor & management, and total cost less government payments and/or other revenue.

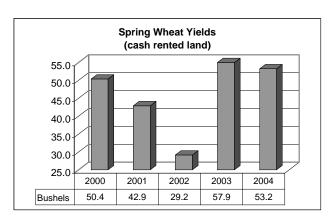
Five Year History of Crop Yields and Cost of Production

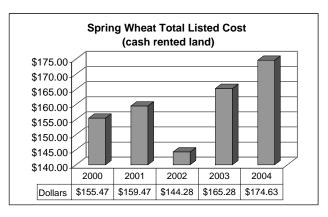


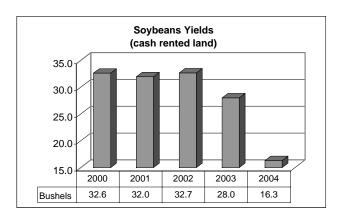


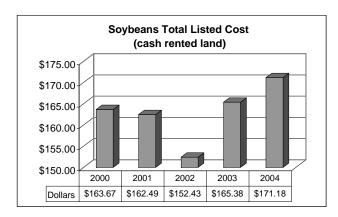












Corn on Owned Land

	Avg. Of All Farms	40 - 60%	High 20%
Number of fields	126	25	29
Number of farms	116	23	24
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Miscellaneous income per acre Gross return per acre	80.00	78.98	82.27
	82.62	86.48	110.13
	100.00	100.00	100.00
	2.03	1.98	2.19
	167.40	171.12	240.84
	63.64	37.95	66.06
	231.05	209.06	306.90
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Drying fuel Fuel & oil Repairs Custom hire Machinery & bldg leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	35.01 45.36 23.47 9.30 9.63 16.46 27.38 2.04 0.22 5.41 1.31 175.59 55.46	35.09 42.33 25.02 9.33 12.55 15.73 23.12 1.87 1.11 3.25 1.65 171.05 38.01	37.20 43.26 20.15 9.58 11.49 17.58 26.74 1.92 5.35 0.80 174.08 132.82
Overhead Expenses Custom hire Hired labor Machinery & bldg leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	4.98	3.69	4.63
	9.53	4.28	8.75
	2.35	2.49	2.27
	6.44	4.70	6.01
	3.39	2.64	4.13
	2.73	1.78	3.54
	1.64	0.84	3.10
	33.45	33.09	33.49
	23.45	17.42	27.51
	4.68	2.55	4.94
	92.63	73.48	98.36
	268.22	244.53	272.45
	-37.17	-35.46	34.45
Lbr & mgt charge per acre	27.88	29.43	26.52
Net return over lbr & mgt	-65.05	-64.89	7.93
Government payments	15.01	11.66	15.04
Net return with govt payments	-50.04	-53.23	22.98
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. With labor & management Total exp less govt & oth income	2.13	1.98	1.58
	3.25	2.83	2.47
	3.58	3.17	2.71
	2.63	2.59	1.98
Est. labor hours per acre	4.37	5.05	3.78

Corn on Cash Rent

	Avg. Of All Farms	40 - 60%	High 20%
Number of fields	157	30	41
Number of farms	129	26	26
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Miscellaneous income per acre Gross return per acre	120.59	156.95	87.60
	75.82	68.68	72.58
	100.00	100.00	100.00
	2.03	2.09	2.13
	153.83	143.40	154.51
	66.69	67.08	122.87
	220.52	210.48	277.38
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Drying fuel Fuel & oil Repairs Custom hire Hired labor Land rent Machinery & bldg leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	34.83 44.19 23.59 11.35 10.76 15.06 22.86 1.95 0.50 39.05 0.39 4.66 1.44 210.64 9.88	34.87 44.59 23.23 9.15 10.49 14.55 18.18 2.33 0.99 41.21 1.33 3.96 0.49 205.39 5.09	33.31 35.86 20.46 15.40 7.45 12.21 23.31 1.51 1.24 43.16 4.34 1.36 199.61 77.77
Overhead Expenses Custom hire Hired labor Machinery & bldg leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	5.41 7.35 3.69 3.00 2.44 1.14 7.28 19.04 3.15 52.50 263.14 -42.62	3.62 4.60 4.08 2.50 1.38 0.92 5.01 13.09 3.91 39.11 244.50	1.56 3.98 4.40 3.43 2.31 1.85 6.60 18.07 2.45 44.63 244.24
Lbr & mgt charge per acre	23.63	19.26	26.29
Net return over lbr & mgt	-66.25	-53.27	6.84
Government payments	15.36	14.34	14.79
Net return with govt payments	-50.89	-38.93	21.63
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. With labor & management Total exp less govt & oth income	2.78	2.99	2.75
	3.47	3.56	3.37
	3.78	3.84	3.73
	2.70	2.65	1.83
Est. labor hours per acre	3.66	2.70	3.55

Corn Silage on Owned Land

	Avg. Of All Farms	40 - 60%	High 20%
Number of fields Number of farms	150 144	29 29	32 29
Acres	48.99	50.23	52.43
Yield per acre (ton)	13.27	12.98	19.62
Operators share of yield %	100.00	100.00	100.00
Value per ton	19.47	18.70	20.32
Total product return per acre	258.30	242.73	398.66
Miscellaneous income per acre	32.69	29.19	29.64
Gross return per acre	290.99	271.92	428.30
Direct Expenses			
Seed .	30.75	29.68	32.43
Fertilizer	32.69	30.82	32.64
Crop chemicals	22.12	24.34	21.11
Crop insurance	6.25	6.01	6.99
Fuel & oil	20.82	18.45	22.87
Repairs	33.16	33.61	34.61
Custom hire	5.36	5.89	4.78
Operating interest	3.07	4.96	2.52
Miscellaneous	4.21	0.98	6.56
Total direct expenses per acre	158.44	154.73	164.51
Return over direct exp per acre	132.55	117.19	263.79
Overhead Expenses			
Custom hire	9.49	4.94	19.61
Hired labor	12.99	11.03	20.27
Machinery & bldg leases	4.21	5.85	5.96
RE & pers. property taxes	4.47	4.43	3.66
Farm insurance	3.87	4.00	4.27
Utilities	2.49	2.71	2.15
Dues & professional fees	1.54	1.31	2.79
Interest Mach & bldg depreciation	30.71 23.64	30.26 27.39	36.94 20.43
Miscellaneous	3.68	5.33	3.03
Total overhead expenses per acre	97.10	97.25	119.11
Total dir & ovhd expenses per acre	255.54	251.98	283.62
Net return per acre	35.45	19.93	144.67
Lbr & mgt charge per acre	26.98	27.25	23.99
Net return over lbr & mgt	8.47	-7.31	120.68
Government payments	11.09	14.04	11.94
Net return with govt payments	19.56	6.73	132.62
Cost of Production			
Total direct expense per ton	11.94	11.92	8.39
Total dir & ovhd exp per ton	19.26	19.41	14.46
With labor & management	21.29	21.51	15.68
Total exp less govt & oth income	17.99	18.18	13.56
Est. labor hours per acre	5.45	4.18	6.58

Corn Silage on Cash Rent

	Avg. Of All Farms	40 - 60%	High 20%
Number of fields	113	23	24
Number of farms	106	21	22
Acres Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Miscellaneous income per acre Gross return per acre	66.10	51.96	95.03
	14.08	11.63	18.94
	100.00	100.00	100.00
	19.62	18.53	20.96
	276.10	215.46	396.93
	31.94	41.14	49.30
	308.04	256.61	446.23
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	32.82	28.22	38.97
	33.47	32.44	35.39
	24.94	23.89	23.66
	6.94	8.43	7.15
	21.30	19.84	21.95
	31.42	25.39	29.40
	6.63	1.47	3.53
	28.60	27.99	35.29
	4.05	3.42	4.81
	3.63	2.66	2.30
	193.79	173.76	202.45
	114.25	82.85	243.78
Overhead Expenses Custom hire Hired labor Machinery & bldg leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	10.54	3.17	17.22
	14.42	10.44	13.91
	6.14	7.82	10.12
	3.39	3.69	3.68
	2.61	2.44	2.45
	0.60	0.71	0.15
	8.87	7.36	8.36
	21.87	20.66	22.96
	2.59	2.25	1.54
	71.02	58.55	80.38
	264.82	232.31	282.84
	43.22	24.30	163.40
Lbr & mgt charge per acre	28.17	24.77	27.82
Net return over lbr & mgt	15.05	-0.47	135.58
Government payments	11.46	12.08	13.26
Net return with govt payments	26.51	11.61	148.84
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton With labor & management Total exp less govt & oth income	13.77	14.95	10.69
	18.81	19.98	14.94
	20.82	22.11	16.41
	17.73	17.53	13.10
Est. labor hours per acre	6.22	4.17	6.78

Hay, Alfalfa on Owned Land

	Avg. Of All Farms	40 - 60%	High 20%
Number of fields	113	21	21
Number of farms	102	21	21
Acres	53.88	85.31	49.99
Yield per acre (ton)	3.52	3.20	4.85
Operators share of yield %	100.00	100.00	100.00
Value per ton	74.49	78.27	88.29
Total product return per acre	262.38	250.82	427.84
Miscellaneous income per acre	4.52	8.69	-
Gross return per acre	266.90	259.50	427.84
Direct Expenses			
Fertilizer	17.86	13.93	10.76
Crop chemicals	1.50	2.32	4.21
Crop insurance	2.15	3.51	0.59
Fuel & oil	20.09	17.10	23.11
Repairs	30.90	29.91	32.94
Custom hire	3.95	4.08	3.78
Operating interest	2.99	3.08	1.14
Miscellaneous	4.02	3.06	5.82
Total direct expenses per acre	83.46	76.98	82.35
Return over direct exp per acre	183.44	182.52	345.48
Overhead Expenses			
Custom hire	5.47	3.17	7.65
Hired labor	9.33	5.68	15.48
Machinery & bldg leases	4.98	7.54	6.58
RE & pers. property taxes	5.56	5.86	4.17
Farm insurance	4.18	4.91	2.83
Utilities	3.08	3.04	2.61
Dues & professional fees	1.41	0.80	0.71
Interest	28.39	24.65	34.07
Mach & bldg depreciation	23.82	21.23	27.77
Miscellaneous	3.27	3.06	2.25
Total overhead expenses per acre	89.49	79.95	104.12
Total dir & ovhd expenses per acre	172.95	156.93	186.47
Net return per acre	93.95	102.57	241.37
Lbr & mgt charge per acre	27.87	25.90	26.44
Net return over lbr & mgt	66.08	76.67	214.93
Government payments	12.19	13.30	11.94
Net return with govt payments	78.27	89.97	226.87
Cost of Production			
Total direct expense per ton	23.69	24.02	17.00
Total dir & ovhd exp per ton	49.10	48.97	38.48
With labor & management	57.01	57.06	43.94
Total exp less govt & oth income	52.27	50.19	41.47
Est. labor hours per acre	4.71	3.68	6.47
		0.00	5.17

Hay, Alfalfa on Cash Rent

	Avg. Of		
	All Farms	<u>40 - 60%</u>	<u> High 20%</u>
Number of fields	101	19	19
Number of farms	93	18	19
Acres	61.94	59.15	51.10
Yield per acre (ton)	3.27	3.09	4.49
Operators share of yield %	100.00	100.00	100.00
Value per ton	69.78	75.76	87.07
Total product return per acre Miscellaneous income per acre	228.48 2.09	234.47 8.84	390.80
Gross return per acre	230.58	243.31	390.80
Direct Expenses			
Fertilizer	13.96	10.68	10.53
Crop chemicals	1.56	1.98	3.93
Crop insurance	1.38	2.94	2.31
Fuel & oil	16.72	15.18	19.47
Repairs	27.71	27.08	26.98
Custom hire	6.66	1.55	7.52
Land rent Operating interest	31.64 3.70	39.38 4.20	32.88 2.46
Miscellaneous	2.03	2.01	4.97
Total direct expenses per acre	105.35	105.00	111.06
Return over direct exp per acre	125.22	138.31	279.74
Overhead Expenses			
Custom hire	5.33	3.45	9.35
Hired labor	7.02	5.54	14.54
Machinery & bldg leases	4.60	1.83	8.81
Farm insurance	3.97	5.92	3.19
Utilities Dues & professional fees	2.96 1.17	2.69 0.85	2.01 0.28
Interest	7.35	8.30	10.56
Mach & bldg depreciation	20.99	22.24	26.65
Miscellaneous	2.55	4.37	1.52
Total overhead expenses per acre	55.94	55.19	76.91
Total dir & ovhd expenses per acre	161.30	160.19	187.97
Net return per acre	69.28	83.12	202.84
Lbr & mgt charge per acre	24.88	29.07	26.02
Net return over lbr & mgt	44.40	54.05	176.81
Government payments	12.13	16.25	12.52 189.33
Net return with govt payments	56.53	70.30	189.33
Cost of Production	20.40	22.02	04.74
Total direct expense per ton Total dir & ovhd exp per ton	32.18 49.26	33.93 51.76	24.74 41.88
With labor & management	56.86	61.15	47.67
Total exp less govt & oth income	52.52	53.05	44.89
Est. labor hours per acre	4.04	3.59	6.10

Hay, Mixed on Owned Land

	Avg. Of	40 00%	Himb 200/
	AII Farms	<u>40 - 60%</u>	High 20%
Number of fields	74	13	14
Number of farms	66	13	14
Acres	95.41	86.66	72.41
Yield per acre (ton)	2.28	2.36	3.20
Operators share of yield %	100.00	100.00	100.00
Value per ton	51.17	46.61	62.94
Total product return per acre	116.41	109.90	201.25
Miscellaneous income per acre	2.33	2.86	9.35
Gross return per acre	118.74	112.76	210.60
Direct Expenses			
Seed	0.24	0.82	0.60
Fertilizer	17.61	14.85	17.55
Crop insurance	0.97	1.27	0.83
Fuel & oil	11.33	8.17	13.30 19.73
Repairs	19.03 0.76	17.44 0.56	19.73
Custom hire Operating interest	2.22	2.65	1.80
Miscellaneous	4.08	2.95	4.65
Total direct expenses per acre	56.23	48.72	59.94
Return over direct exp per acre	62.51	64.04	150.66
retain over all cot exp per dore	02.01	04.04	100.00
Overhead Expenses			
Custom hire	3.32	1.87	5.80
Hired labor	4.29	1.68	8.13
Machinery & bldg leases	0.53	0.36	0.86
RE & pers. property taxes	4.60	5.36	6.56
Farm insurance	2.31	1.39	2.66
Utilities	1.72 11.28	1.88	2.57
Interest	16.43	9.18 15.43	24.24 29.36
Mach & bldg depreciation Miscellaneous	3.40	2.38	3.70
Total overhead expenses per acre	47.88	39.52	83.88
Total dir & ovhd expenses per acre	104.11	88.24	143.83
Net return per acre	14.63	24.52	66.77
Lbr & mgt charge per acre	20.21	21.40	25.49
Net return over lbr & mgt	-5.58	3.13	41.28
Government payments	5.55	6.30	9.05
Net return with govt payments	-0.03	9.43	50.33
Cost of Production			
Total direct expense per ton	24.72	20.66	18.75
Total direct expense per ton	45.76	37.42	44.98
With labor & management	54.64	46.50	52.95
Total exp less govt & oth income	51.18	42.62	47.20
Est. labor hours per acre	2.92	2.71	3.76

Hay, Mixed on Cash Rent

	Avg. Of All Farms	40 - 60%	High 20%
Number of fields	60	44	10
Number of fields Number of farms	60 56	11 11	12 12
Acres	103.17	118.65	150.12
Yield per acre (ton)	2.24	2.18	2.81
Operators share of yield %	100.00	100.00	100.00
Value per ton Total product return per acre	58.91 132.24	52.69 114.64	68.46 192.59
Miscellaneous income per acre	1.53	0.27	3.24
Gross return per acre	133.78	114.91	195.83
Direct Expenses			
Seed	0.91	2.15	0.32
Fertilizer	14.08 1.04	11.49 1.34	12.17 1.10
Crop insurance Fuel & oil	11.38	10.31	12.70
Repairs	18.94	18.04	24.10
Custom hire	1.91	0.13	0.37
Land rent	14.81	17.74	12.59
Machinery & bldg leases	0.61	-	1.87
Operating interest Miscellaneous	1.89 2.46	2.74 2.25	0.99 1.15
Total direct expenses per acre	68.03	66.19	67.34
Return over direct exp per acre	65.74	48.72	128.49
Overhead Expenses			
Custom hire	2.63	2.51	4.83
Hired labor	5.61	5.77	11.21
Machinery & bldg leases Farm insurance	0.92 2.07	1.11 2.34	1.76 2.15
Utilities	1.62	1.70	1.91
Interest	3.97	2.53	5.18
Mach & bldg depreciation	14.33	10.87	15.34
Miscellaneous	2.94	2.79	2.56
Total overhead expenses per acre	34.07	29.62	44.94
Total dir & ovhd expenses per acre	102.10 31.67	95.81 19.10	112.28 83.55
Net return per acre			
Lbr & mgt charge per acre	19.50	21.12	17.99
Net return over lbr & mgt	12.17	-2.02	65.56
Government payments Net return with govt payments	7.07 19.24	9.06 7.04	7.98 73.54
Cost of Production			
Total direct expense per ton	30.31	30.42	23.94
Total dir & ovhd exp per ton	45.48	44.04	39.91
With labor & management	54.17	53.74	46.31
Total exp less govt & oth income	50.34	49.46	42.32
Est. labor hours per acre	3.33	3.27	4.04

Hay, Grass on Owned Land

	Avg. Of All Farms	40 - 60%	High 20%
Number of fields	51	9	11
Number of farms	48	9	10
Number of family	40	3	10
Acres	24.04	34.22	13.42
Yield per acre (ton)	2.06	1.92	3.05
Operators share of yield %	100.00	100.00	100.00
Value per ton	47.03	46.32	53.72
Total product return per acre	96.71	89.09	163.91
Miscellaneous income per acre	-	-	-
Gross return per acre	96.71	89.09	163.91
Direct Expenses			
Fertilizer	4.45	3.53	2.47
Fuel & oil	10.07	10.18	11.09
Repairs	17.09	18.50	21.59
Custom hire	3.48	5.29	2.61
Operating interest	1.00	0.85	1.76
Miscellaneous	1.79	1.26	0.45
Total direct expenses per acre	37.88	39.61	39.96
Return over direct exp per acre	58.83	49.48	123.95
Overhead Expenses			
Custom hire	2.09	0.48	4.01
Hired labor	6.03	4.88	3.27
Machinery & bldg leases	1.50	1.05	3.78
RE & pers. property taxes	4.52	5.93	4.24
Farm insurance	2.05	1.19	2.05
Utilities	1.01	0.79	1.18
Interest	14.89	12.29	38.50
Mach & bldg depreciation	12.80	12.66	12.43
Miscellaneous	1.34	2.12	1.21
Total overhead expenses per acre	46.23	41.40	70.68
Total dir & ovhd expenses per acre	84.11	81.01	110.64
Net return per acre	12.60	8.08	53.27
Lbr & mgt charge per acre	14.47	16.66	20.09
Net return over lbr & mgt	-1.87	-8.58	33.18
Government payments	4.81	5.01	9.21
Net return with govt payments	2.94	-3.57	42.39
Cost of Production			
Total direct expense per ton	18.42	20.59	13.10
Total dir & ovhd exp per ton	40.90	42.11	36.26
With labor & management	47.94	50.78	42.85
Total exp less govt & oth income	45.60	48.17	39.83
Est. labor hours per acre	3.09	3.71	3.94

Hay, Grass on Cash Rent

	Avg. Of All Farms	<u>40 - 60%</u>	High 20%
Number of fields	59	11	12
Number of farms	51	10	11
Acres	71.00	92.82	122.50
Yield per acre (ton)	1.54	1.36	2.08
Operators share of yield %	100.00	100.00	100.00
Value per ton	50.39	45.47	53.53
Total product return per acre	77.47	61.67	111.38
Miscellaneous income per acre	-	-	-
Gross return per acre	77.47	61.67	111.38
Direct Expenses			
Seed	1.85		4.85
Fertilizer	6.69	1.96	10.05
Fuel & oil	7.73	7.10	7.68
Repairs	13.69	13.52	9.89
Custom hire	0.80	0.15	0.32
Land rent	12.82	13.70	12.40
Machinery & bldg leases	0.92	3.79	
Operating interest Miscellaneous	1.24 2.00	0.53 2.33	2.22 1.94
Total direct expenses per acre	47.72	2.33 43.07	49.36
Return over direct exp per acre	29.75	18.60	62.02
Overhead Expenses			
Custom hire	1.90	1.34	3.36
Hired labor	2.14	1.92	1.47
Machinery & bldg leases	0.96	1.16	1.03
Farm insurance	1.33	1.62	0.69
Utilities	0.78	0.73	0.55
Interest	3.13	2.98	2.93
Mach & bldg depreciation	8.37	7.30	6.73
Miscellaneous	1.69	0.75	2.24
Total overhead expenses per acre	20.29	17.80	19.00
Total dir & ovhd expenses per acre	68.02	60.87	68.36
Net return per acre	9.45	0.80	43.02
Lbr & mgt charge per acre	10.27	6.98	7.86
Net return over lbr & mgt	-0.81	-6.18	35.16
Government payments	2.31	0.59	2.34
Net return with govt payments	1.50	-5.59	37.50
Cost of Production	24.24	04.70	00.70
Total direct expense per ton	31.04	31.76	23.72
Total dir & ovhd exp per ton	44.24	44.88	32.86
With labor & management	50.92	50.03	36.63
Total exp less govt & oth income	49.42	49.59	35.51
Est. labor hours per acre	2.04	1.63	1.60

Wheat, Spring on Owned Land

	Avg. Of All Farms	40 - 60%	High 20%
Number of fields	119	28	17
Number of farms	84	17	17
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Miscellaneous income per acre Gross return per acre	177.19	122.85	169.01
	46.57	50.43	66.26
	100.00	100.00	100.00
	3.40	3.39	3.69
	158.50	171.09	244.55
	17.67	22.54	11.10
	176.17	193.63	255.65
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Drying fuel Fuel & oil Repairs Custom hire Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	10.73 35.10 20.29 10.36 1.54 9.66 14.11 2.71 0.08 2.90 0.45 107.93 68.24	10.36 34.31 20.47 10.62 2.49 8.91 14.01 1.52 1.73 0.21 104.64 88.99	12.18 33.60 16.07 9.89 0.87 7.50 14.25 1.37 0.61 2.38 0.73 99.45 156.20
Overhead Expenses Custom hire Hired labor Machinery & bldg leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	2.69 4.12 1.66 4.71 3.38 2.41 1.29 15.63 13.15 1.21 50.26 158.19 17.97	1.39 3.13 1.96 4.33 2.51 1.77 1.34 14.38 15.39 1.35 47.54 152.18 41.45	0.89 4.05 1.16 7.02 3.43 2.35 1.19 21.79 13.20 1.84 56.91 156.36 99.29
Lbr & mgt charge per acre	16.94	18.10	15.18
Net return over lbr & mgt	1.03	23.36	84.11
Government payments	13.27	12.84	15.21
Net return with govt payments	14.31	36.20	99.31
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. With labor & management Total exp less govt & oth income	2.32	2.07	1.50
	3.40	3.02	2.36
	3.76	3.38	2.59
	3.10	2.67	2.19
Est. labor hours per acre	1.67	1.65	1.48

Wheat, Spring on Cash Rent

	Avg. Of All Farms	40 - 60%	High 20%
Number of fields	154	37	24
Number of farms	101	20	21
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Miscellaneous income per acre Gross return per acre	247.44	219.53	292.60
	53.24	59.88	61.71
	100.00	100.00	100.00
	3.43	3.45	3.81
	182.35	206.75	234.98
	9.75	5.69	8.17
	192.10	212.44	243.15
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Drying fuel Fuel & oil Repairs Custom hire Land rent Machinery & bldg leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	11.63	13.27	12.93
	34.69	36.48	30.96
	21.18	22.24	14.81
	10.28	10.77	9.66
	1.59	2.02	1.91
	9.27	9.76	7.44
	12.90	11.85	13.80
	2.62	0.30	1.63
	38.21	46.60	42.92
	0.26	0.24	0.54
	2.61	2.02	1.52
	0.96	1.12	1.84
	146.20	156.67	139.96
	45.90	55.76	103.19
Overhead Expenses Custom hire Hired labor Machinery & bldg leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	1.89 4.30 2.00 2.86 1.96 1.20 2.40 10.47 1.35 28.43 174.63 17.47	0.63 3.11 3.11 2.13 1.37 1.51 1.60 9.67 1.10 24.22 180.90 31.54	1.54 5.10 1.24 3.25 2.24 0.98 2.05 8.99 1.55 26.94 166.90 76.25
Lbr & mgt charge per acre	17.08	21.31	14.57
Net return over lbr & mgt	0.39	10.23	61.68
Government payments	14.48	15.75	15.13
Net return with govt payments	14.87	25.99	76.81
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. With labor & management Total exp less govt & oth income	2.75	2.62	2.27
	3.28	3.02	2.70
	3.60	3.38	2.94
	3.15	3.02	2.56
Est. labor hours per acre	1.54	1.58	1.41

Soybeans on Owned Land

	Avg. Of All Farms	40 - 60%	High 20%
Number of fields Number of farms	133 117	25 24	32 24
Acres	138.71	159.46	127.18
Yield per acre (bu.)	17.23	16.61	25.06
Operators share of yield %	100.00	100.00	100.00
Value per bu.	5.71	5.55	6.01
Total product return per acre	98.32	92.12	150.70
Miscellaneous income per acre	65.27	62.23	59.93
Gross return per acre	163.59	154.36	210.63
Direct Expenses			
Seed	25.55	19.69	27.00
Fertilizer	10.58	11.78	9.49
Crop chemicals	17.18	20.39	14.37
Crop insurance	11.71	12.04	12.48
Fuel & oil	11.17	11.56	11.17
Repairs	16.96	17.17	16.35
Custom hire	2.02	1.91	1.77
Machinery & bldg leases	0.19	0.56	-
Operating interest	3.50	3.18	4.60
Miscellaneous	0.50	0.05	0.42
Total direct expenses per acre	99.37	98.34	97.65
Return over direct exp per acre	64.22	56.02	112.98
Overhead Expenses			
Custom hire	3.44	2.18	2.97
Hiredlabor	4.65	4.36	2.49
Machinery & bldg leases	2.01	1.29	1.51
RE & pers. property taxes	6.11	6.52	7.43
Farm insurance	3.58	3.28	3.48
Utilities	2.49	2.56	2.53
Dues & professional fees	1.54	1.18	2.44
Interest	23.83	21.35	23.26
Mach & bldg depreciation	14.05	11.22	20.62
Miscellaneous	2.34	2.43	2.57
Total overhead expenses per acre	64.04	56.36 454.70	69.31
Total dir & ovhd expenses per acre	163.41	154.70	166.97
Net return per acre	0.18	-0.34	43.66
Lbr & mgt charge per acre	19.00	18.65	17.41
Net return over lbr & mgt	-18.82	-18.99	26.25
Government payments	14.46	14.32	15.26
Net return with govt payments	-4.36	-4.68	41.50
Cost of Production		5.00	2.22
Total direct expense per bu.	5.77	5.92	3.90
Total dir & ovhd exp per bu.	9.49	9.31	6.66
With labor & management	10.59	10.43	7.36
Total exp less govt & oth income	5.96	5.83	4.36
Est. labor hours per acre	2.09	2.03	1.87

Soybeans on Cash Rent

	Avg. Of All Farms	40 - 60%	High 20%
Number of fields	202	42	39
Number of farms	134	27	27
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Miscellaneous income per acre Gross return per acre	267.34	412.45	328.10
	16.31	15.81	18.80
	100.00	100.00	100.00
	6.07	5.85	6.46
	99.00	92.51	121.40
	70.48	62.75	88.23
	169.48	155.26	209.62
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Drying fuel Fuel & oil Repairs Custom hire Hired labor Land rent Machinery & bldg leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	24.75 10.77 16.98 11.69 0.48 10.61 15.81 1.89 0.32 41.77 0.42 3.10 0.40 138.99 30.49	21.81 12.59 20.21 10.95 0.77 9.72 16.48 1.25 0.04 38.08 0.68 2.55 0.35 135.46 19.80	26.55 9.30 13.79 13.21 0.25 10.33 12.96 0.69 0.94 47.47 2.85 0.69 139.03 70.60
Overhead Expenses Custom hire Hired labor Machinery & bldg leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	1.92 3.80 2.21 2.95 2.03 1.31 3.68 12.48 1.81 32.19 171.18 -1.70	2.99 3.66 2.59 2.81 2.00 1.11 3.46 12.57 1.88 33.06 168.53 -13.27	1.52 1.99 1.59 2.78 1.66 1.35 3.46 14.94 1.17 30.45 169.48 40.15
Lbr & mgt charge per acre	19.27	17.53	24.23
Net return over lbr & mgt	-20.97	-30.80	15.91
Government payments	14.80	13.48	15.39
Net return with govt payments	-6.17	-17.32	31.31
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. With labor & management Total exp less govt & oth income	8.52	8.57	7.40
	10.49	10.66	9.02
	11.68	11.76	10.31
	6.45	6.94	4.79
Est. labor hours per acre	1.84	1.70	1.83

Soybeans on Cash Rent

	Avg. Of	100%	No	No
	<u>All Farm</u> s		RR	Answer
Number of fields	202	85	30	87
Number of farms	134	50	14	77
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Miscellaneous income per acre Gross return per acre	267.34	196.60	95.50	395.70
	16.31	16.84	8.89	16.67
	100.00	100.00	100.00	100.00
	6.07	5.92	5.72	6.16
	99.00	99.68	50.84	102.67
	70.48	66.36	99.99	70.02
	169.48	166.04	150.83	172.70
Seed Fertilizer Crop chemicals Crop insurance Drying fuel Fuel & oil Repairs Custom hire Land rent Machinery & bldg leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	24.75 10.77 16.98 11.69 0.48 10.61 15.81 1.89 41.77 0.42 3.10 0.72 138.99 30.49	29.47 9.38 13.40 8.64 0.61 9.98 14.84 3.03 40.61 0.14 3.18 0.57 133.87 32.18	16.56 8.96 19.04 10.46 0.06 12.09 18.53 1.20 31.86 	23.14 11.59 18.55 13.27 0.45 10.79 16.05 1.40 43.16 0.59 3.12 0.83 142.94 29.75
Overhead Expenses Custom hire Hired labor Machinery & bldg leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	1.92	1.92	1.73	1.93
	3.80	4.01	1.36	3.90
	2.21	2.34	0.73	2.27
	2.95	3.18	2.82	2.86
	2.03	1.97	3.36	1.95
	1.31	1.38	1.73	1.24
	3.68	3.79	3.27	3.66
	12.48	14.25	13.60	11.53
	1.81	2.09	1.31	1.72
	32.19	34.92	29.91	31.05
	171.18	168.79	151.32	174.00
	-1.70	-2.74	-0.49	-1.30
Lbr & mgt charge per acre	19.27	18.19	22.40	19.53
Net return over lbr & mgt	-20.97	-20.93	-22.89	-20.83
Government payments	14.80	14.69	12.86	15.01
Net return with govt payments	-6.17	-6.24	-10.03	-5.82
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. With labor & management Total exp less govt & oth income	8.52	7.95	13.65	8.57
	10.49	10.02	17.01	10.44
	11.68	11.10	19.53	11.61
	6.45	6.29	6.84	6.51
Est. labor hours per acre	1.84	1.86	1.92	1.82

Barley, Canola, and Sunflowers on Cash Rent

	Barley	Canola	Sunflowers
	Avg. Of <u>All Farms</u>	Avg. Of <u>All Farms</u>	Avg. Of <u>All Farms</u>
Number of fields Number of farms	25 18	12 10	6 6
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Miscellaneous income per acre Gross return per acre	84.56 55.46 100 2.49 138.23 22.73 160.96	156.01 14.03 100 10.19 142.96 12.24 155.20	99.97 16.89 100 14.17 239.34 6.09 245.42
Direct Expenses			
Seed Fertilizer Crop chemicals Crop insurance Drying fuel Fuel & oil Repairs	8.65 27.05 11.55 6.77 1.31 10.01 14.92	22.06 40.58 18.06 7.44 9.96 14.32	22.31 38.64 20.15 7.95 0.80 12.30 19.97
Custom hire Hired labor	1.34 0.73	6.01	3.26
Land rent Hauling and trucking Operating interest Miscellaneous Total direct expenses per acre	32.38 2.89 0.84 118.43	26.28 1.69 0.37 146.78	37.81 1.87 2.27 0.43 167.75
Return over direct exp per acre	42.53	8.42	77.67
Overhead Expenses Custom hire Hired labor Machinery & bldg leases Farm insurance Utilities Dues & professional fees Interest	1.69 2.88 1.34 2.48 2.47 0.79 3.77	2.70 4.77 0.69 2.17 2.23 1.07 2.11	1.00 3.44 0.95 1.24 2.80 1.53 2.02
Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	10.39 0.88 26.68 145.11 15.85	15.99 0.84 32.57 179.35 -24.15	8.54 1.97 23.49 191.24 54.18
Lbr & mgt charge per acre Net return over lbr & mgt Government payments Net return with govt payments	14.19 1.66 13.00 14.67	17.28 -41.43 13.78 -27.65	20.98 33.19 12.96 46.15
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. With labor & management Total exp less govt & oth income	2.14 2.62 2.87 2.23 1.64	10.46 12.78 14.02 12.16	9.93 11.33 12.57 11.44
Est. labor hours per acre	1.04	1.67	2.03

Establish Hay, Alfalfa

	<u>Owned</u>		<u>Cas</u> l	n Rent
	Avg. Of		Avg. Of	
	All Farms	<u>High 20%</u>	All Farms	<u>High 20%</u>
Number of fields	27	6	28	5
Number of farms	27	6	25	5
Acres	33.92	58.55	35.71	28.20
Yield per acre (ton)	1.98	2.57	1.23	2.23
Operators share of yield %	100.00	100.00	100.00	100.00
Value per ton	69.96	75.03	72.77	67.92
Total product return per acre	138.35	193.17	89.55	151.33
Miscellaneous income per acre	3.37 141.72	1.28 194.45	5.01 94.55	151.33
Gross return per acre	141.72	194.45	94.55	151.55
Direct Expenses	45.04	25.27	47.07	40.00
Seed Fertilizer	45.84 16.34	35.27 9.72	47.87 26.73	40.80 30.33
Crop chemicals	5.04	9.72 2.07	10.02	8.60
Crop insurance	0.97	1.43	1.00	1.55
Fuel & oil	20.36	22.09	16.54	19.51
Repairs	29.33	27.78	26.14	19.99
Land Rent	-	-	26.50	11.70
Custom hire	5.13	3.98	3.71	1.24
Operating interest	5.64	9.91	3.63	2.17
Miscellaneous	3.84	5.21	3.60	4.62
Total direct expenses per acre	132.49	117.45	165.74	140.52
Return over direct exp per acre	9.23	77.00	-71.19	10.81
Overhead Expenses				
Custom hire	6.89	8.87	4.52	1.21
Hired labor	15.09	16.29	8.20	4.87
Machinery & bldg leases	2.71	3.26	2.30	1.12
RE & pers. property taxes	4.01	3.80	-	-
Farm insurance Utilities	2.64	1.96	3.65	3.06
	2.06 0.95	1.97 1.48	2.19 0.64	2.83 0.20
Dues & professional fees Interest	21.86	20.3	5.67	5.81
Mach & bldg depreciation	28.55	34.83	22.26	33.37
Miscellaneous	2.80	3.10	2.26	4.56
Total overhead expenses per acre	87.56	95.85	51.7	57.02
Total dir & ovhd expenses per acre	220.05	213.3	217.44	197.54
Net return per acre	-78.33	-18.85	-122.88	-46.21
Lbr & mgt charge per acre	26.35	28.84	23.05	24.46
Net return over lbr & mgt	-104.68	-47.69	-145.93	-70.67
Government payments	12.10	12.85	10.23	5.56
Net return with govt payments	-92.58	-34.84	-135.7	-65.11
Cost of Production				
Total direct expense per ton	67.00	45.62	134.69	63.07
Total dir & ovhd exp per ton	111.27	82.84	176.70	88.66
With labor & management	124.6	94.05	195.43	99.64
Total exp less govt & oth income	116.77	88.56	183.05	97.15
Est. labor hours per acre	5.81	6.40	4.09	4.58

Crop Enterprise Analysis

Northland & Central Lakes Community and Technical Colleges (Farms Sorted By Return to Overhead)

Irrigated Corn and Corn Silage, on Owned Land

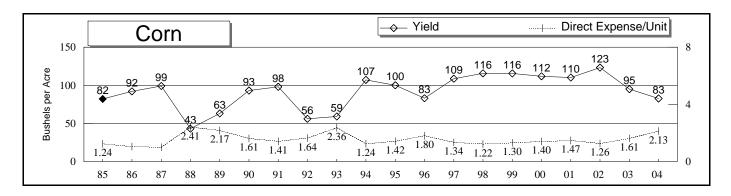
	<u>Corn</u>	Corn Silage
Number of fields Number of farms	8 7	10 10
Acres	84.36	74.20
Yield per acre	126.75	16.40
Operators share of yield %	100	100
Value	1.93	19.27
Total product return per acre	244.09	316.03
Miscellaneous income per acre	42.04	27.75
Gross return per acre	286.13	343.79
Direct Expenses	40.44	44.00
Seed	46.41 61.35	41.39 45.54
Fertilizer Crop chemicals	19.38	23.56
Crop insurance	11.82	8.08
Drying fuel	13.55	0.00
Irrigation energy	7.84	11.56
Fuel & oil	16.61	23.24
Repairs	31.08	38.14
Custom hire	22.03	14.56
Operating interest	9.72	3.81
Miscellaneous	1.29	11.28
Total direct expenses per acre	241.09	221.17
Return over direct exp per acre	45.04	122.62
Overhead Expenses	0.00	40.00
Custom hire Hired labor	8.92 6.83	18.30 16.05
Machinery & bldg leases	5.49	4.23
RE & pers. property taxes	6.03	4.60
Farm insurance	3.41	2.86
Utilities	2.76	3.03
Dues & professional fees	0.89	0.62
Interest	50.59	51.3
Mach & bldg depreciation	38.80	22.57
Miscellaneous	3.89	4.47
Total dir 8 subd expenses per acre	127.61	128.04
Total dir & ovhd expenses per acre Net return per acre	368.7 -82.57	349.21 -5.42
·		
Lbr & mgt charge per acre	18.94 -101.51	16.50
Net return over lbr & mgt Government payments	15.23	-21.93 16.11
Net return with govt payments	-86.29	-5.82
Cost of Production	00.20	5.02
Total direct expense per bu.	1.9	13.49
Total direct expense per bu. Total dir & ovhd exp per bu.	2.91	21.3
With labor & management	3.06	22.3
Total exp less govt & oth income	2.61	19.63
Est. labor hours per acre	4.29	5.61
	0	0.01

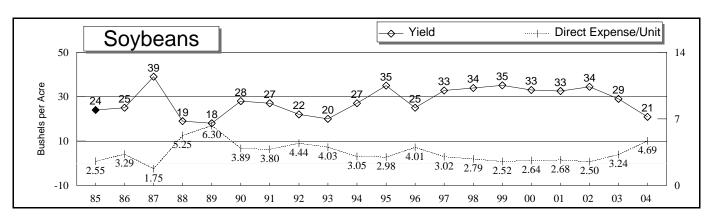
	Oats on Owned Land		Oats on Cash Rent	
	Avg. Of <u>All Farms</u>	<u>High 20%</u>	Avg. Of <u>All Farms</u>	High 20%
Number of fields	32	7	28	6
Number of farms	32	7	28	6
Acres	38.12	23.10	44.65	54.48
Yield per acre (bu.)	73.30	91.94	80.92	109.87
Operators share of yield %	100	100	100	100
Value per bu.	1.45	1.63	1.55	1.76
Total product return per acre	106.58	149.47	125.69	193.49
Miscellaneous income per acre	23.36	63.50	29.86	48.50
Gross return per acre	129.94	212.97	155.55	241.99
Direct Expenses				
Seed	7.51	9.90	8.57	7.97
Fertilizer	18.84	6.66	19.68	22.92
Crop chemicals	6.57	6.80	6.28	13.20
Crop insurance	2.89	4.66	2.65	3.08
Fuel & oil	10.18	8.92	9.33	8.65
Repairs	14.67	21.13	15.25	15.44
Custom hire	1.30	-	2.34	-
Land rent	-	-	21.89	34.40
Operating interest	1.25	1.65	1.86	2.60
Miscellaneous	0.83	0.49	1.08	0.20
Total direct expenses per acre	64.02	60.21	88.92	108.45
Return over direct exp per acre	65.91	152.75	66.63	133.54
Overhead Expenses				
Custom hire	1.27	1.79	1.50	1.16
Hired labor	2.90	2.96	5.39	6.86
Machinery & bldg leases	1.14	0.33	1.19	0.71
RE & pers. property taxes	4.19	5.79	-	-
Farm insurance	1.59	1.15	2.54	3.46
Utilities	1.53	1.06	1.20	1.26
Dues & professional fees	0.31	0.54	0.29	0.61
Interest	14.21	17.28	3.16	3.67
Mach & bldg depreciation	10.24	13.13	11.39	12.93
Miscellaneous	1.43	1.17	2.08	3.38
Total overhead expenses per acre	38.83	45.20	28.74	34.04
Total dir & ovhd expenses per acre	102.86	105.41	117.66	142.49
Net return per acre	27.08	107.55	37.90	99.50
Lbr & mgt charge per acre	15.76	16.96	14.31	16.51
Net return over lbr & mgt	11.32	90.59	23.59	82.99
Government payments	7.90	11.79	10.55	15.98
Net return with govt payments	19.22	102.37	34.14	98.97
Cost of Production				
Total direct expense per bu.	0.87	0.65	1.10	0.99
Total dir & ovhd exp per bu.	1.40	1.15	1.45	1.30
With labor & management	1.62	1.33	1.63	1.45
Total exp less govt & oth income	1.19	0.51	1.13	0.86
Est. labor hours per acre	1.98	2.29	2.25	2.52

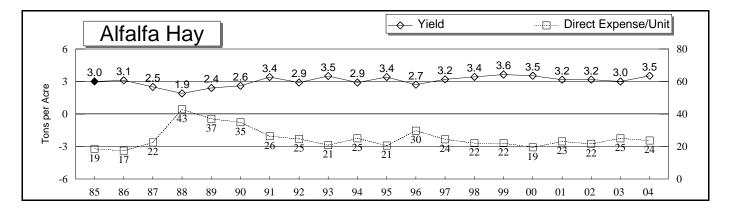
Prevented Planting and CRP

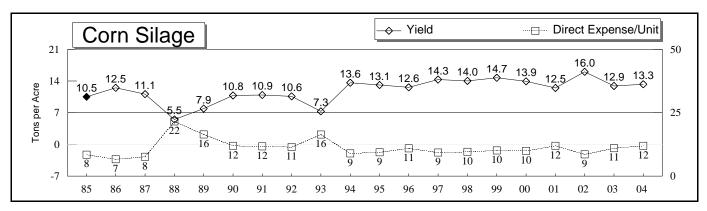
	CRP	Prevented	Planting
	<u>Owned</u>	<u>Owned</u>	Rented
Number of fields	38	31	32
Number of farms	33	18	23
Acres	152.97	141.41	260.00
Yield per acre (\$)	44.96	-	-
Operators share of yield %	100	-	-
Value per \$	1	-	-
Total product return per acre	44.96	70.00	-
Miscellaneous income per acre	0.27 45.23	78.98	77.93 77.93
Gross return per acre	45.23	78.98	77.93
Direct Expenses		0.40	
Seed	-	0.48	-
Fertilizer	-	4.06	4.65
Crop chemicals	-	4.03	4.72
Crop insurance	4 00	9.93	7.72
Fuel & oil	1.82 2.68	6.83 9.51	5.96 8.87
Repairs Machinery & bldg leases	2.00	9.31	0.78
Land rent	-	-	25.26
Operating interest	<u>-</u>	3.00	3.12
Miscellaneous	_	0.57	0.38
Total direct expenses per acre	5.07	38.41	61.45
Return over direct exp per acre	40.16	40.57	16.49
Overhead Expenses			
Custom hire	-	3.54	2.53
Hired labor	0.44	3.98	3.10
Machinery & bldg leases	-	1.21	2.57
RE & pers. property taxes	3.89	3.66	-
Farm insurance	2.69	3.61	4.24
Utilities	0.49	1.81	1.80
Dues & professional fees	-	0.97	0.64
Interest	14.59	10.17	1.33
Mach & bldg depreciation	1.72	9.34	8.28
Miscellaneous	1.39	1.23	0.90
Total overhead expenses per acre	25.21	39.51	25.39
Total dir & ovhd expenses per acre	30.28	77.93	86.83
Net return per acre	14.94	1.05	-8.90
Lbr & mgt charge per acre	3.15	12.43	11.61
Net return over lbr & mgt	11.79	-11.37	-20.52
Government payments	-	12.89	11.86
Net return with govt payments	11.79	1.51	-8.65
Cost of Production			
Total direct expense per \$	0.11	-	-
Total dir & ovhd exp per \$	0.67	-	-
With labor & management	0.74	-	-
Total exp less govt & oth income	0.74	-	-
Est. labor hours per acre	0.33	1.24	1.10

A Twenty Year History of Selected Crop Yields









Livestock Enterprise Analysis Farm Business Management Statewide Data (Farms Sorted By Enterprise Size)

Dairy -- Average Per Cow

	Dairy	<i>r Average Per C</i>	•ow		
Number of Cows	<u>Up to 50</u>	<u>51 - 100</u>	<u>101 - 200</u>	<u>201 - 500</u>	Over 500
Number of farms	133	229	109	49	13
	Value	Value	Value	Value	Value
Milk sold (lb)	2,759.11	3,107.31	3,229.91	3,559.54	3,633.75
Milk used in home (lb)	4.42 8.01	2.19 11.40	0.70 8.66	0.15 3.63	0.40 2.31
Milk fed to animals (lb) Dairy Calves sold (hd)	11.57	20.20	24.24	38.81	39.59
Transferred out (hd)	124.86	114.24	112.86	81.14	99.93
Cull sales (hd)	159.56	159.53	146.28	146.63	159.52
Butchered (hd)	6.13	5.12	3.52	1.47	1.24
Less purchased (hd)	-146.22	-64.52	-76.52	-145.98	-187.55
Less transferred in (hd)	-344.63	-374.3	-406.05	-354.94	-470.47
Inventory change (hd) Total production	98.72 2,681.53	55.01 3,036.20	75.48 3,119.07	62.85 3,393.31	113.90 3,392.63
Other income	56.93	35.71	37.84	29.14	23.13
Gross return	2,738.45	3,071.91	3,156.92	3,422.45	3,415.76
Direct Expenses					
Corn (bu.)	148.09	159.63	173.20	160.66	149.73
Corn Silage (lb.)	114.35	125.00	127.68	150.11	162.5
Hay, Alfalfa (lb.)	228.18	188.37	158.55	187.04	100.17
Hay, Grass & Other (lb.) Haylage, Alfalfa (lb.)	36.81 55.44	15.07 94.10	15.75 94.69	6.39 77.24	15.08 128.61
Complete Ration (lb.)	101.1	116.63	144.20	187.02	142.48
Protein Vit Minerals (lb.)	297.29	368.19	410.48	428.82	525.26
Other feed stuffs	42.51	42.00	47.75	39.82	53.45
Breeding fees	30.14	36.89	35.23	41.09	33.58
Veterinary	79.06	88.53	96.94	113.97	136.01
BST Supplies	8.42 138.95	10.94 126.62	19.28 130.78	33.80 144.03	56.03 138.73
DHIA	14.65	16.94	15.87	144.03	7.50
Fuel & oil	41.20	40.23	45.42	50.82	46.11
Repairs	116.13	112.04	109.53	108.36	114.97
Custom hire	9.54	14.12	22.06	35.52	51.03
Hired labor	4.79	9.64	13.94	25.00	79.15
Hauling and trucking	45.03 39.01	38.32	29.23	27.20	22.96
Marketing Bedding	11.62	40.57 22.49	31.81 31.91	52.19 48.87	96.09 49.68
Total direct expenses	1,562.30	1,666.34	1,754.30	1,932.85	2,109.13
Return over direct expense	1,176.16	1,405.57	1,402.62	1,489.60	1,306.63
Overhead Expenses					
Custom hire	8.92	8.82	14.52	15.30	24.07
Hired labor	47.68	104.57	206.7	337.75	351.64
Machinery & bldg leases Farm insurance	11.89 38.83	19.26	23.62	36.05	59.40
Utilities	80.42	34.97 72.92	33.41 61.97	30.76 52.97	28.15 48.13
Interest	84.48	95.97	112.17	120.22	143.03
Mach & bldg depreciation	106.02	110.98	131.84	134.62	104.71
Miscellaneous	52.29	45.69	53.35	49.11	45.24
Total overhead expenses	430.53	493.18	637.59	776.78	804.35
Total dir & ovhd expenses	1,992.83	2,159.52	2,391.88	2,709.63	2,913.48
Net return	745.62	912.39	765.03	712.81	502.28
Labor & management charge	293.12	244.52	184.10	163.24	118.70
Net return over lbr & mgt	452.50	667.87	580.93	549.58	383.58
Cost of Production					
Total direct expense per cwt.	9.17	8.68	8.88	8.85	9.62
Total dir& ovhd expense per cwt. With labor and management	11.70 13.42	11.24 12.52	12.10 13.03	12.41 13.16	13.28 13.82
With other revenue adjustments	13.61	12.77	13.45	13.81	14.83
Est. labor hours per unit	48.54	41.51	38.72	40.15	43.39
Other Information					
Avg. number of Cows	38	70.6	137.8	292.6	751.2
Milk produced per Cow	17,038	19,207	19,762	21,828	21,935
Culling percentage	25.7	24.9	24.9	25.5	30.5
Turnover rate	34.6	32.9	33.7	33.9	38.9
Percent of barn capacity Lbs. milk/lb grain & conc.	88.3 2.2	107.1 2.4	105.8 2.3	104.9 2.3	115.3 2.1
Feed cost per cwt of milk	6.01	5.77	5.93	2.3 5.67	5.82
Feed cost per Cow	1,023.77	1,109.00	1,172.30	1,237.10	1,277.27
Avg. milk price per cwt.	16.29	16.26	16.41	16.33	16.58

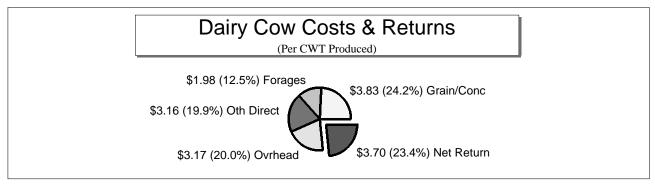
Dairy -- Average Per Cwt Of Milk

	Avg. (All Fai	Of rms	40 - 60	9%	High 20	0%
Number of farms		533	10	06	•	07
Milk sold (lb) Milk used in home (lb) Milk fed to animals (lb) Dairy Calves sold (hd) Transferred out (hd) Cull sales (hd) Butchered (hd) Less purchased (hd) Less transferred in (hd) Inventory change (hd) Total production Other income Gross return	Quantity 99.68 0.04 0.27 0.00 0.00 0.00 0.00 0.00 0.00	Value 16.32 0.01 0.04 0.14 0.52 0.76 0.02 -0.56 -1.93 0.37 15.67 0.17	Quantity 99.63 0.04 0.32 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Value 16.30 0.01 0.05 0.18 0.44 0.82 0.02 -0.50 -1.97 0.17 15.51 0.14	Quantity 99.86 0.02 0.12 0.00 0.00 0.00 0.00 0.00 0.00	Value 16.66 0.00 0.02 0.14 0.51 0.72 0.01 -0.38 -1.80 0.54 16.43 0.16
Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Haylage, Alfalfa (lb.) Complete Ration (lb.) Protein Vit Minerals (lb.) Other feed stuffs Breeding fees Veterinary BST Supplies Fuel & oil Repairs Custom hire Hired labor Machinery & bldg leases Hauling and trucking Marketing Bedding Total direct expenses Return over direct expense	0.37 70.89 18.61 20.83 6.08 14.89 6.00	0.79 0.68 0.84 0.46 0.71 2.04 0.30 0.18 0.51 0.13 0.69 0.22 0.55 0.13 0.12 0.05 0.16 0.25 0.17 8.97 6.87	0.37 69.06 18.29 17.46 6.48 16.30 6.86	0.80 0.67 0.88 0.33 0.77 2.17 0.31 0.15 0.53 0.16 0.64 0.23 0.48 0.12 0.15 0.15 0.12 0.15	0.33 65.57 16.50 18.40 7.04 14.17 3.16	0.71 0.63 0.75 0.40 0.76 1.70 0.20 0.46 0.12 0.58 0.20 0.58 0.09 0.02 0.00 0.15 0.17 7.89 8.69
Overhead Expenses Custom hire Hired labor Machinery & bldg leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		0.07 1.09 0.15 0.16 0.31 0.56 0.60 0.24 3.17 12.14 3.70		0.09 1.15 0.08 0.13 0.31 0.60 0.59 0.22 3.18 12.18 3.46		0.09 1.38 0.22 0.15 0.29 0.41 0.61 0.23 3.38 11.27 5.31
Labor & management charge Net return over lbr & mgt		0.96 2.74		0.90 2.56		0.90 4.41
Cost of Production Total direct expense per cwt. Total dir& ovhd expense per cwt. With labor and management With other revenue adjustments		8.97 12.14 13.10 13.62		9.00 12.18 13.08 13.79		7.89 11.27 12.18 12.27
Est. labor hours per unit		0.20		0.21		0.19
Other Information Avg. number of Cows Milk produced per Cow Culling percentage Turnover rate Percent of barn capacity Lbs. milk/lb grain & conc. Feed cost per cwt of milk Feed cost per Cow Avg. milk price per cwt.		113.2 20,228 26.0 34.4 105.6 2.3 5.81 1,175.27 16.37		121.3 20,053 28.2 36.8 105.5 2.2 5.92 1,187.52 16.36		133.6 23,014 25.8 32.5 109.0 2.4 5.14 1,183.80 16.68

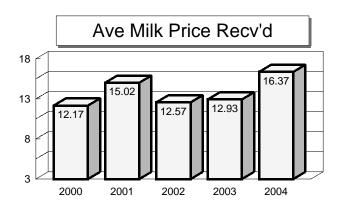
Dairy -- Average Per Cow

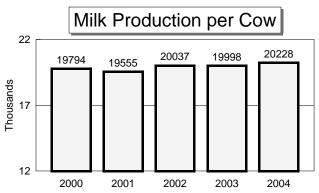
	Avg. All F	Of arms	40-(60%	High2	20%
Number of farms	533		106		107	
Milk sold (lb) Milk used in home (lb) Milk fed to animals (lb) Dairy Calves sold (hd) Transferred out (hd) Cull sales (hd) Butchered (hd) Less purchased (hd) Less transferred in (hd) Inventory change (hd) Total production Other income Gross return	Quantity 20,163.80 8.40 55.35 0.19 0.69 0.26 0.01 -0.08 -0.32 0.03	Value 3,301.24 1.23 7.12 28.04 104.61 153.17 3.31 -113.61 -390.67 75.16 3,169.60 34.42 3,204.03	Quantity 19,979.06 8.83 65.05 0.25 0.63 0.28 0.01 -0.07 -0.33 0.04	Value 3,267.93 1.28 9.87 35.73 88.87 164.57 3.37 -100.48 -396.01 34.69 3,109.82 27.54 3,137.36	Quantity 22,981.23 5.33 27.49 0.23 0.72 0.26 0.00 -0.06 -0.34 0.00	Value 3,834.02 0.81 3.59 33.23 117.29 165.94 -4.15.29 124.86 3,780.35 36.55 3,816.90
Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Haylage, Alfalfa (lb.) Complete Ration (lb.) Protein Vit Minerals (lb.) Other feed stuffs Breeding fees Veterinary BST Supplies DHIA Fuel & oil Repairs Custom hire Hired labor Machinery & bldg leases Hauling and trucking Marketing Bedding Total direct expenses Return over direct expense	74.34 14,338.73 3,764.21 4,213.49 1,230.74 3,011.95 1,213.56	160.68 136.81 169.70 92.58 143.09 412.59 59.81 36.37 103.56 25.53 124.15 14.47 45.07 111.36 26.77 25.20 10.63 31.49 50.00 34.59 1,814.46 1,389.56	73.71 13,847.83 3,667.85 3,501.73 1,298.44 3,269.63 1,375.00	159.51 133.72 176.11 67.10 154.41 435.25 61.42 30.89 106.51 31.92 114.69 13.71 46.03 95.55 24.31 31.05 24.39 30.18 36.68 31.45 1,804.90 1,332.46	76.36 15,091.15 3,797.60 4,234.52 1,619.21 3,262.13 726.84	162.83 145.41 171.71 91.25 174.29 392.20 46.11 45.17 105.51 27.60 117.09 16.30 46.11 132.86 20.21 4.17 0.91 34.86 42.47 39.43 1,816.50 2,000.40
Overhead Expenses Custom hire Hired labor Machinery & bldg leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		14.25 220.58 30.21 32.80 62.07 112.41 120.36 48.89 641.58 2,456.04 747.98		18.23 230.36 16.51 26.65 62.76 121.24 117.62 44.38 637.74 2,442.63 694.73		20.14 317.96 51.53 35.33 65.94 93.96 141.12 52.01 777.99 2,594.49 1,222.41
Labor & management charge Net return over lbr & mgt		193.89 554.09		181.23 513.50		207.94 1,014.47
Cost of Production Total direct expense per cwt. Total dir& ovhd expense per cwt. With labor and management With other revenue adjustments		8.97 12.14 13.10 13.62		9.00 12.18 13.08 13.79		7.89 11.27 12.18 12.27
Est. labor hours per unit		41.39		42.68		43.27
Other Information Avg. number of Cows Milk produced per Cow Culling percentage Turnover rate Percent of barn capacity Lbs. milk/lb grain & conc. Feed cost per cwt of milk Feed cost per Cow Avg. milk price per cwt.		113.2 20,228 26.0 34.4 105.6 2.3 5.81 1,175.27 16.37		121.3 20,053 28.2 36.8 105.5 2.2 5.92 1,187.52 16.36		133.6 23,014 25.8 32.5 109.0 2.4 5.14 1,183.80 16.68

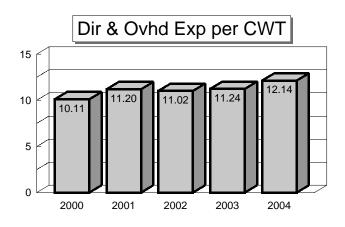
Summary of Selected Dairy Enterprise Factors

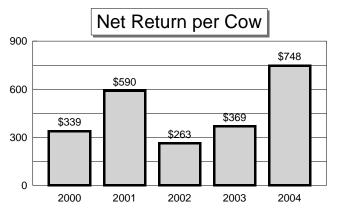


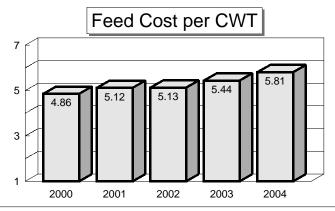
The data on this page is from the Dairy Cow Enterprise and does not include costs related to Dairy Replacements.

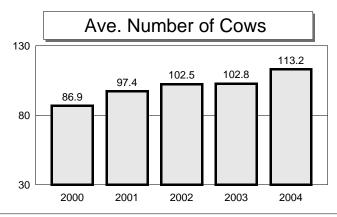












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Dairy and Repl Heifers -- Average Per Cow

	Avg. All F	Of Farms	40-	60%	High	20%
Number of farms		397		80	· ·	80
Milk sold (lb) Milk used in home (lb) Milk fed to animals (lb) Dairy Calves sold (hd) Transferred out (hd) Cull sales (hd) Butchered (hd) Less purchased (hd) Less transferred in (hd) Inventory change (hd) Total production Other income Gross return	Quantity 20,234.47 7.20 42.85 0.36 1.07 0.29 0.01 -0.12 -0.96 0.07	Value 3,320.72 1.11 5.36 87.53 522.97 155.98 4.35 -137.88 -505.27 121.90 3,576.79 32.61 3,609.39	Quantity 20,627,98 6.30 30.51 0.37 1.05 0.36 0.01 -0.09 -0.97	Value 3,363.27 1.01 3.97 75.89 526.79 173.01 3.02 -108.80 -516.20 66.16 3,588.12 32.77 3,620.90	Quantity 22,622,43 3.80 14.75 0.42 1.11 0.26 0.01 -0.09 -1.01 0.07	Value 3,780.09 0.60 2.50 118.70 570.60 147.83 4.36 -118.68 -541.67 199.00 4,163.34 29.01 4,192.35
Direct Expenses Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Haylage, Alfalfa (lb.) Complete Ration (lb.) Protein Vit Minerals (lb.) Other feed stuffs Breeding fees Veterinary BST Supplies Contract production exp. Fuel & oil Repairs Custom hire Hired labor Machinery & bldg leases Hauling and trucking Marketing Bedding Total direct expenses Return over direct expense	83.25 18,970.50 4,812.30 4,838.32 1,255.91 3,388.09 2,314.19	179.90 179.30 218.74 106.28 145.87 476.59 100.11 43.02 115.65 25.74 136.75 47.92 49.68 126.68 38.82 22.07 11.42 31.27 46.14 40.44 2,142.38 1,467.01	80.37 19,007.86 4,093.63 4,329.95 898.63 4,124.52 2,647.77	177.87 182.96 194.17 96.57 105.66 562.57 116.41 38.53 124.14 34.88 122.69 78.77 48.13 114.65 56.38 32.35 18.71 25.46 40.59 42.90 2,214.42 1,406.48	84.40 19,467.54 4,343.43 6,111.23 1,071.70 4,106.92 2,022.70	179.59 187.19 199.82 127.99 108.66 484.18 94.31 50.22 115.55 27.97 136.51 44.63 48.04 138.11 40.43 5.77 0.49 33.20 42.68 46.87 2,112.21 2,080.14
Overhead Expenses Custom hire Hired labor Machinery & bldg leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		16.33 250.76 28.97 36.45 72.59 127.84 139.96 55.02 727.93 2,870.31 739.08		23.69 249.23 20.40 29.42 66.68 131.66 143.81 49.82 714.72 2,929.14 691.76		22.61 348.23 39.63 37.47 73.96 114.02 155.83 58.99 850.74 2,962.95 1,229.40
Labor & management charge Net return over lbr & mgt		223.34 515.74		184.79 506.97		247.11 982.29
Cost of Production Total direct expense per cwt. Total dir& ovhd expense per cwt. With labor and management With other revenue adjustments		10.56 14.15 15.25 13.86		10.72 14.17 15.07 13.85		9.33 13.09 14.18 12.37
Est. labor hours per unit		49.13		47.83		50.00
Other Information Avg. number of Cows Milk produced per Cow Culling percentage Turnover rate Percent of barn capacity Lbs. milk/lb grain & conc. Feed cost per cwt of milk Feed cost per Cow Avg. milk price per cwt.		110.2 20,285 28.5 42.9 105.8 2.0 6.94 1,406.79 16.41		142.9 20,665 35.6 48.5 109.9 2.0 6.95 1,436.21 16.30		128.7 22,641 25.6 35.3 108.9 2.2 6.10 1,381.73 16.71

Dairy Replacement Heifers -- Average Head

		vg. Of Farms	40 - 60	0%	High 2	0%
Number of farms	-	471			95	
Replacements sold (hd) Transferred out (hd) Cull sales (hd) Butchered (hd) Less purchased (hd) Less transferred in (hd) Inventory change (hd) Total production (hd) Other income Gross return	Quantity 0.21 0.41 0.03 0.00 -0.05 -0.71 0.04 0.00	Value 81.41 464.15 6.89 1.77 -30.58 -114.35 42.47 451.75 1.54 453.29	Quantity 0.25 0.40 0.01 0.00 -0.04 -0.72 0.05 0.00	Value 88.07 455.91 4.26 1.91 -23.51 -136.96 65.18 454.85 0.79 455.64	Quantity 0.11 0.38 0.08 0.00 -0.05 -0.62 0.09 0.00	Value 98.17 499.58 11.82 1.23 -21.02 -103.26 137.19 623.70 6.35 630.05
Direct Expenses Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass & Other (lb.) Haylage, Alfalfa (lb.) Oatlage (lb.) Complete Ration (lb.) Milk (lb.) Milk Replacer (lb.) Protein Vit Minerals (lb.) Other feed stuffs Breeding fees Veterinary Supplies Contract production exp. Fuel & oil Repairs Custom hire Machinery & bldg leases Bedding Total direct expenses Return over direct expense	11.57 5026.67 1244.04 662.96 647.05 498.85 222.97 35.54 12.26 289.40 388.05	25.24 47.26 50.36 18.02 13.45 3.95 27.03 5.02 10.76 51.57 13.53 7.49 13.67 11.73 45.45 7.99 19.69 9.48 1.71 5.67 389.06 64.23	12.90 4309.75 1234.43 653.25 949.44 492.74 233.51 34.11 13.98 297.74 280.03	28.01 41.14 48.42 17.57 17.27 4.55 23.41 3.71 12.45 54.03 15.12 8.07 14.16 10.10 14.30 8.45 22.10 25.65 1.88 3.94 374.32 81.33	9.82 4954.04 1042.79 610.29 845.06 809.11 89.14 13.77 14.62 327.05 322.50	20.60 45.97 42.36 16.73 18.27 6.99 11.86 1.78 13.45 54.78 13.45 5.59 15.07 11.02 19.65 8.15 18.91 2.75 2.46 5.64 335.50 294.55
Overhead Expenses Custom hire Hired labor Machinery & bldg leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		2.57 31.86 3.62 5.65 10.88 17.92 21.23 8.01 101.74 490.80 -37.51		1.36 41.38 3.70 5.83 11.16 17.70 22.70 7.32 111.14 485.46 -29.82		2.52 30.88 5.52 6.29 10.27 19.08 20.77 7.36 102.70 438.21 191.85
Labor & management charge Net return over lbr & mgt		35.94 -73.45		39.34 -69.15		34.29 157.56
Cost of Production Total direct expense per head Total dir& ovhd expense per head With labor and management With other revenue adjustments		389.06 490.80 526.74 525.20		374.32 485.46 524.80 524.01		335.50 438.21 472.50 466.15
Est. labor hours per unit		7.27		7.09		8.14
Other Information No. purchased or trans in Number sold or trans out Average number of head Percentage death loss Feed cost per average head Feed cost/head sold+trans Avg. purch price / head Avg. sales price / head		71.00 58.00 94.00 4.60 266.18 433.27 608.19 395.63		73.00 63.00 95.00 5.10 265.67 404.05 548.50 346.19		68.00 49.00 101.00 3.40 246.27 505.81 385.06 894.82

Dairy Steers -- Average Per Cwt. Produced

	Avg. All Fa		40 - 60	0%	High 2	0%
Number of farms		140		28	28	
Dairy Steers sold (lb) Transferred out (lb) Cull sales (lb) Butchered (lb) Less purchased (lb) Less transferred in (lb) Inventory change (lb) Total production (lb) Other income Gross return	Quantity 136.29 0.35 1.19 2.22 -38.63 -6.45 5.02 100.00	Value 102.87 0.31 0.95 1.80 -38.77 -6.84 12.81 73.14 0.02 73.16	Quantity 108.32 0.08 - 2.19 -16.61 -4.66 10.68 100.00	Value 81.83 0.05 - 1.65 -20.13 -4.46 13.99 72.92	Quantity 112.99 - 1.75 3.30 -9.12 -13.21 4.29 100.00	Value 88.59 - 1.56 2.60 -9.36 -15.70 15.38 83.08 0.19 83.27
Direct Expenses Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass & Other (lb.) Complete Ration (lb.) Milk Replacer (lb.) Protein Vit Minerals (lb.) Other feed stuffs Veterinary Supplies Fuel & oil Repairs Hired labor Machinery & bldg leases Hauling and trucking Marketing Bedding Operating interest Total direct expenses Return over direct expense	11.01 209.81 34.05 32.55 204.35 0.62 69.30 27.74	24.21 1.93 1.28 0.91 1.67 0.67 10.23 1.20 1.81 1.69 1.14 2.68 0.18 0.20 0.70 0.83 0.55 1.35 53.21 19.96	10.87 210.73 18.20 29.67 3.06 1.97 62.10 18.95	23.48 1.97 0.72 0.98 0.41 1.75 12.40 0.55 1.95 0.99 1.03 3.15 0.69 - 0.41 1.12 0.52 1.07 53.18 19.73	10.05 212.38 55.25 31.97 0.99 0.56 63.88 11.64	22.01 1.70 1.97 0.72 0.09 0.54 8.49 1.11 0.83 0.66 0.73 1.68 0.03 0.54 0.63 0.81 0.39 0.26 43.18 40.09
Overhead Expenses Hired labor Machinery & bldg leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return Labor & management charge		1.26 0.26 1.10 1.32 1.82 2.79 1.51 10.05 63.26 9.90		1.31 0.24 1.03 1.16 2.06 2.02 1.05 8.87 62.05 10.87		1.60 0.42 0.65 0.97 1.41 2.58 1.47 9.10 52.29 30.98
Net return over lbr & mgt Cost of Production Total direct expense per cwt. Total dir& ovhd expense per cwt. With labor and management With other revenue adjustments		4.57 60.93 68.28 72.19 72.17		57.32 65.50 70.11 70.11		27.03 43.10 51.16 54.65 54.48
Est. labor hours per unit		0.79		0.75		0.63
Other Information No. purchased or trans in Number sold or trans out Percentage death loss Avg. daily gain (lbs) Lbs of conc / lb of gain Lbs of feed / lb of gain Feed cost per cwt of gain Feed cost per head Average purchase weight Avg purch price / head Avg sales price / cwt		86 73 2.8 2.33 9.00 10.46 42.09 382.77 412 1,338 413.58 75.48		86 63 5.8 2.29 6.79 8.09 42.25 458.39 197 1,419 238.75 75.54		44 36 2.2 2.27 6.27 7.81 36.63 408.20 247 1,306 253.32 78.41

All Beef Backgrounding -- Average Per Head

	Avg. Of All Farms		
Number of farms		20	
Backgnd Beef sold (lb) Transferred out (lb) Butchered (lb) Less purchased (lb) Less transferred in (lb) Inventory change (lb) Total production (lb) Other income Gross return	Quantity 473.64 31.84 14.44 -124.09 -309.15 151.17 237.85	Value 447.99 23.45 10.17 -130.44 -336.53 197.21 211.86	
Direct Expenses		211.86	
Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass & Other (lb.) Oats (bu.) Pasture, Intensive (aum) Stover (lb.) Complete Ration (lb.) Creep / Starter (lb.) Protein Vit Minerals (lb.) Other feed stuffs Veterinary Supplies Fuel & oil Repairs Hauling and trucking Marketing Operating interest Total direct expenses Return over direct expense	6.77 1,387.13 246.71 524.26 2.59 0.08 74.46 208.19 15.14 159.54 15.86	14.97 13.96 5.05 13.62 3.64 1.42 0.54 9.73 1.36 12.86 1.87 8.40 4.43 4.22 4.13 2.11 11.70 2.64 116.64 95.21	
Overhead Expenses Hired labor Machinery & bldg leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		0.62 0.35 2.06 1.73 3.52 4.35 1.66 14.28 130.93 80.93	
Labor & management charge Net return over lbr & mgt		15.22 65.71	
Cost of Production Total direct expense per cwt. Total dir& ovhd expense per cwt. With labor and management With other revenue adjustments		74.43 77.25 80.27 80.27	
Est. labor hours per unit		1.98	
Other Information No. purchased or trans in Number sold or trans out Percentage death loss Avg. daily gain (lbs) Lbs of conc / lb of gain Lbs of feed / lb of gain Feed cost per cwt of gain Feed cost per head Average purchase weight Avg purch price / cwt Avg sales price / cwt		86 65 1.8 1.10 3.62 9.04 33.22 79.01 394 695 105.11 94.58	

Beef Cow-Calf -- Average Per Cow

	Avg. AII Fa		40 - 60	0%	High 2	0%
Number of farms	124		25		25	
Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) Butchered (lb) Less purchased (lb) Less transferred in (lb) Inventory change (lb) Total production (lb) Other income Gross return	Quantity 257.33 230.92 111.92 3.74 -62.21 -24.84 41.51 558.36	Value 264.96 251.36 80.11 3.04 -71.07 -24.35 62.00 566.06 0.64 566.70	Quantity 309.64 213.09 113.68 6.96 -68.73 -30.41 -19.23 524.99	Value 316.23 218.53 68.74 5.22 -81.27 -32.54 28.57 523.47 1.27 524.74	Quantity 295.02 229.07 128.21 3.97 -62.05 -21.10 99.94 673.06	Value 313.85 244.59 74.56 2.86 -57.70 -18.06 124.30 684.41
Direct Expenses Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass & Other (lb.) Pasture (aum) Complete Ration (lb.) Creep / Starter (lb.) Protein Vit Minerals (lb.) Other feed stuffs Breeding fees Veterinary Supplies Fuel & oil Repairs Marketing Operating interest Total direct expenses Return over direct expense	3.24 5,155.90 1,618.32 4,311.79 4.32 95.77 25.02 147.15 782.82	7.02 46.52 46.32 96.56 36.13 11.83 2.09 22.51 10.06 3.59 20.18 13.90 13.31 24.69 5.33 5.71 365.74 200.96	2.63 6,155.39 1,282.52 4,464.74 4.57 94.82 78.25 101.63 961.49	4.77 52.26 17.95 100.97 33.06 9.32 6.65 24.95 15.13 4.40 20.69 12.95 10.72 21.56 2.79 3.74 341.90 182.84	1.47 4,774.93 1,563.81 4,621.67 3.01 55.10 30.23 175.28 495.94	3.31 43.28 48.56 90.61 33.39 8.84 2.41 19.53 4.07 1.92 20.31 7.27 10.89 26.46 8.98 6.38 336.21 348.19
Overhead Expenses Hired labor RE & pers. property taxes Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		7.91 3.55 9.45 11.52 16.42 24.34 11.67 84.85 450.59 116.11		2.46 1.40 6.95 8.88 15.42 13.83 10.31 59.25 401.15 123.59		8.76 5.43 9.78 12.96 16.15 31.34 9.22 93.65 429.86 254.55
Labor & management charge Net return over lbr & mgt		69.35 46.75		43.50 80.08		94.76 159.79
Cost of Production Total direct expense per cwt. Total dir& ovhd expense per cwt. With labor and management With other revenue adjustments		65.50 80.70 78.34 70.08		65.12 76.41 84.70 78.12		49.95 63.87 77.94 65.12
Est. labor hours per unit		9.59		5.95		11.93
Other Information Number of cows Pregnancy percentage Pregnancy loss percentage Culling percentage Calving percentage Weaning percentage Calves sold per cow Calf death loss percent Average weaning weight Lbs weaned/exposed female Feed cost per cow Avg wgt/Beef Calf sold Avg price / cwt		68.3 96.5 0.9 10.9 95.6 90.4 0.86 5.3 537 486 279.03 604 102.97		78.7 96.8 0.5 10.4 96.3 91.2 0.91 4.2 548 499 265.04 611 102.13		76.6 97.4 1.5 10.0 96.0 91.1 0.86 5.2 541 493 254.00 598 106.38

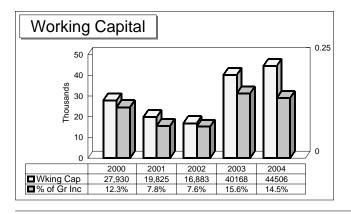
Hogs, Finish Feeder Pigs -- Average Per Cwt. Produced

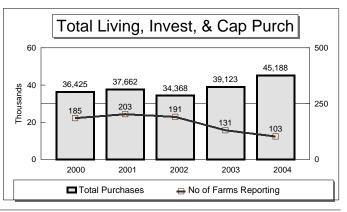
	Avg. (All Fa		40 - 60	0%	High 20	0%
Number of farms		86		17	-	18
Finish Hogs sold (lb) Transferred out (lb) Cull sales (lb) Butchered (lb) Less purchased (lb) Less transferred in (lb) Inventory change (lb) Total production (lb) Other income Gross return	Quantity 115.18 1.37 0.11 0.07 -11.73 -5.61 0.60 100.00	Value 59.17 0.80 0.03 0.04 -14.81 -7.47 2.42 40.18 0.34 40.52	Quantity 125.37 0.16 0.39 0.11 -19.66 -5.47 -0.90 100.00	Value 60.67 0.09 0.13 0.06 -21.05 -5.47 3.12 37.56 0.30 37.86	Quantity 114.07 2.73 - 0.23 -11.83 -5.76 0.57 100.00	Value 63.57 1.77 0.08 -11.91 -9.60 4.58 48.49
Direct Expenses Corn (bu.) Complete Ration (lb.) Protein Vit Minerals (lb.) Other feed stuffs Veterinary Supplies Contract production exp. Fuel & oil Repairs Custom hire Machinery & bldg leases Hauling and trucking Marketing Operating interest Total direct expenses Return over direct expense	2.24 136.52 41.24 0.74	4.88 10.61 5.65 0.13 0.60 0.36 1.29 0.25 0.56 0.66 1.35 0.43 1.22 0.39 28.37 12.15	3.28 14.52 93.35 0.30	7.40 0.82 11.85 0.10 0.40 0.38 0.23 0.59 0.40 - 0.22 0.35 0.38 23.13	3.46 58.59 55.44 2.81	7.07 3.88 8.72 0.42 0.26 0.23 1.45 0.43 0.65 0.18 0.02 0.75 1.59 0.24 25.90 22.60
Overhead Expenses Custom hire Hired labor Machinery & bldg leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		0.10 0.44 0.36 0.28 0.32 0.56 0.76 0.33 3.16 31.53 8.99		0.09 0.40 0.36 0.45 0.49 0.94 1.40 0.67 4.80 27.93 9.93		0.37 0.93 0.26 0.32 0.41 0.93 1.21 0.39 4.82 30.71 17.78
Labor & management charge Net return over lbr & mgt		1.04 7.95		1.93 8.00		1.14 16.64
Cost of Production Total direct expense per cwt. Total dir& ovhd expense per cwt. With labor and management With other revenue adjustments		41.33 44.04 44.93 44.64		36.91 40.73 42.27 42.03		36.60 40.72 41.70 41.70
Est. labor hours per unit		0.12		0.16		0.14
Other Information No. purchased or trans in Number sold or trans out Percentage death loss Avg. daily gain (lbs) Lbs of conc / lb of gain Lbs of feed / lb of gain Feed cost per cwt of gain Feed cost per head Average purchase weight Avg purch price / head Avg sales price / cwt		6,252 5,788 3.6 1.47 3.05 3.05 21.28 47.35 36 261 45.82 51.37		3,957 3,615 2.5 1.48 2.92 2.92 20.17 43.00 45 262 48.51 48.39		4,727 4,350 3.2 1.39 3.14 3.14 20.09 44.67 48 254 48.34 55.73

Hogs, Farrow To Finish - Average

	Per CWT		Per Litter
Number of farms	48		48
Raised Hogs sold (lb) Transferred out (lb) Cull sales (lb) Butchered (lb) Less purchased (lb) Less transferred in (lb) Inventory change (lb) Total production (lb) Other income Gross return	Quantity 94.88 0.48 5.33 0.15 -1.05 -0.07 0.28 100.00	Value 48.88 0.34 2.15 0.09 -1.17 -0.06 3.03 53.26 -0.55 52.71	Quantity Value 2099.43 1081.50 10.65 7.48 117.89 47.62 3.41 1.97 -23.29 -25.94 -1.54 -1.31 6.16 67.06 2212.71 1178.38 -12.10 1166.28
Direct Expenses Corn (bu.) Complete Ration (lb.) Protein Vit Minerals (lb.) Corn Distillers Grn (dry) (lb.) Other feed stuffs Breeding fees Veterinary Supplies Fuel & oil Repairs Custom hire Machinery & bldg leases Livestock leases Utilities Hauling and trucking Marketing Operating interest Total direct expenses Return over direct expense	3.74 41.34 85.62 5.53 0.28	8.25 4.52 10.34 0.31 0.23 0.72 1.63 0.76 0.58 0.96 1.43 1.05 0.22 0.10 0.26 0.33 0.36 32.07 20.64	82.67 182.61 914.73 100.08 1894.54 228.77 122.46 6.92 6.18 5.16 15.90 36.13 16.82 12.80 21.22 31.71 23.21 4.85 2.25 5.78 7.34 8.02 709.58 456.70
Overhead Expenses Custom hire Hired labor Machinery & bldg leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return Labor & management charge Net return over lbr & mgt		0.18 3.07 1.05 0.44 0.68 0.18 0.93 1.80 0.28 8.64 40.70 12.00 1.87	4.05 68.00 23.25 9.84 15.09 4.09 20.64 39.89 6.22 191.08 900.66 265.62 41.31 224.31
Cost of Production Total direct expense per cwt. Total dir& ovhd expense per cwt. With labor and management With other revenue adjustments		32.07 40.70 42.57 42.05	32.07 40.70 42.57 42.05
Est. labor hours per unit		0.32	7.17
Other Information Average number of sows Litters farrowed Litters per sow Litters per crate Pigs born per litter Pigs weaned per litter Pigs weaned per sow Number sold per litter Lbs of feed / lb of gain Feed cost / cwt. of gain Feed cost per litter Avg wgt/Raised Hog sold Avg price / cwt		261.80 526.00 2.01 11.69 10.34 9.29 18.64 8.19 3.44 23.66 523.55 256.00 51.51	261.80 526.00 2.01 11.69 10.34 9.29 18.64 8.19 3.44 23.66 523.55 256.00 51.51

Financial Summary					
Trends	2000	2001	2002	2003	2004
Income Statement					
Gross Cash Farm Income	226,234	252,591	221,968	256,709	306,049
Total Cash Farm Expense	183,588	197,921	180,868	205,680	242,120
Net Cash Farm Income	42,646	54,670	41,100	51,029	63,929
Inventory Change	16,721	(3,514)	3,328	8,954	7,252
Dep & Capital Adjustment	(16,044)	(16,771)	(17,946)	(19,571)	(19,524)
Net Farm Income	43,322	34,385	26,482	40,412	51,656
Profitability (Cost)					
Labor & Management Earnings	28,834	18,922	11,017	23,255	33,061
Rate of Return on Assets	8.0%	5.7%	3.8%	5.5%	6.7%
Rate of Return on Equity	8.6%	4.4%	1.3%	5.4%	8.0%
Operating Profit Margin	19.9%	15.5%	11.2%	15.0%	16.7%
Asset Turnover Rate	40.1%	37.1%	33.8%	37.0%	39.9%
Liquidity					
Ending current ratio	1.50	1.30	1.26	146%	145%
Ending working capital	27,930	19,825	16,883	40168	44506
End working capital to gross inc	12.3%	7.8%	7.6%	15.6%	14.5%
Term Debt Coverage Ratio	150.4%	125.3%	108.4%	138.7%	151.5%
Expense as a Percent of Income	75.5%	79.5%	80.6%	77.3%	77.2%
Interest as a Percent of Income	8.1%	8.2%	7.6%	6.6%	5.9%
Solvency (Market)					
Number of Sole Proprietors	410	467	350	440	417
Ending Farm Assets	545,906	584,734	581,959	735,057	800,022
Ending Farm Liabilities	293,143	310,047	309,796	379,431	409,364
Ending Total Assets	645,532	676,134	672,387	832,068	900,916
Ending Total Liabilities	309,895	326,428	327,015	398,318	430,308
Ending Net Worth	335,637	349,706	345,371	433,751	470,609
Net Worth Change	26,916	25,260	24,672	43,706	49,186
End Farm Debt to Asset Ratio	54%	53%	53%	52%	51%
Beg Total Debt to Asset Ratio	49%	49%	49%	49%	50%
End Total Debt to Asset Ratio	48%	48%	49%	48%	48%
Nonfarm Information					
Net Nonfarm Income	17,583	19,321	19,821	19,695	20,120
Farms Reporting Liv Expenses	185	203	191	131	103
Total Family Living Expense	25,254	25,584	24,982	29,023	31,585
Total Living, Invest, & Cap Purch	36,425	37,662	34,368	39,123	45,188
Crop Acres					
Total Acres Owned	398	396	392	401	401
Total Crop Acres	626	649	652	680	720
Total Crop Acres Owned	256	255	257	260	268
Total Crop Acres Cash Rented	350	369	365	396	433
Total Crop Acres Share Rent	21	25	30	24	19





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Crop & Livestock Trends	2000	2001	2002	2003	2004	Selected Data
rrenas	2000	2001	2002	2000	2004	General Data
Alfalfa Hay Yield per Acre	3.5	3.2	3.2	3.0	3.5	Yield and Dir&Ovhd Cost / Unit
Value per Ton	\$64.40	\$69.83	\$67.99	\$69.49	\$74.49	
Fuel, Oil, Repairs per Acre	\$43.89	\$46.54	\$38.78	\$41.82	\$50.99	40 - 40 50 45 51 49
Total Dir & Ovhd Exp per Acre	\$141.82	\$157.60	\$142.19	\$149.15	\$172.95	20 - 3.5 3.2 3.2 3.0 3.5
Net Return per Acre	\$86.28	\$69.60	\$83.99	\$66.94	\$93.95	3.2 3.0
Total Direct Expenses per Ton	\$19.46	\$23.11	\$21.64	\$24.88	\$23.69	2000 2001 2002 2003 2004
Total Dir & Ovhd Exp per Ton	\$40.24	\$49.85	\$44.89	\$50.56	\$49.10	2000 2001 2002 2003 2004
0.0						Violational Display Control Control Village
<u>Corn</u> Yield per Acre	111.7	110.2	123.2	95.4	82.6	Yield and Dir&Ovhd Cost / Unit
Value per Bushel	\$1.78	\$1.80	\$2.08	\$2.24	\$2.03	3.5
Fuel, Oil, Repairs per Acre	\$40.21	\$40.28	\$38.05	\$41.26	\$43.84	2.54
Total Dir & Ovhd Exp per Acre	\$242.05	\$256.63	\$242.00	\$242.00	\$268.22	1.75 - 2.17 2.33 1.96 - 175
Net Return per Acre	(\$31.72)	(\$48.66)	\$17.26	(\$13.33)	(\$37.17)	112 110 123 95 83
Total Direct Expenses per Bu.	\$1.40	\$1.47	\$1.26	\$1.61	\$2.13	
Total Dir & Ovhd Exp per Bushel	\$2.17	\$2.33	\$1.96	\$2.54	\$3.25	2000 2001 2002 2003 2004
Corn Silogo						Yield and Dir&Ovhd Cost / Unit
<u>Corn Silage</u> Yield per Acre	13.9	12.5	16.0	12.9	13.3	25 40
Value per Ton	\$18.71	\$17.63	\$19.68	\$19.54	\$19.47	20 20
Fuel, Oil, Repairs per Acre	\$45.69	\$51.30	\$44.63	\$45.65	\$53.98	15 - 18.5 19.3
Total Dir & Ovhd Exp per Acre	\$225.59	\$247.58	\$237.82	\$238.55	\$255.54	10 - 10.2
Net Return per Acre	\$48.48	(\$13.78)	\$79.28	\$35.23	\$35.45	5 14 12 16 13 13 - 10
Total Direct Expenses per Ton	\$9.92	\$11.92	\$8.56	\$10.99	\$11.94	2000 2001 2002 2003 2004
Total Dir & Ovhd Exp per Ton	\$16.19	\$19.86	\$14.84	\$18.45	\$19.26	2000 2001 2002 2003 2004
<u>Soybeans</u>						Yield and Dir&Ovhd Cost / Unit
Yield per Acre	33.0	32.5	34.4	28.9	20.9	8 100
Value per Bushel	\$5.07	\$5.12	\$5.25	\$6.50	\$5.83	7.71
Fuel, Oil, Repairs per Acre	\$26.20	\$27.37	\$25.91	\$25.90	\$28.12	5 34
Total Dir & Ovhd Exp per Acre	\$154.25	\$152.93	\$141.37	\$154.53	\$160.90	4 4.67 4.70 4.11
Net Return per Acre	\$21.23	\$23.71	\$43.84	\$38.73	\$21.89	2 - 33 33 34 29 21 - 20
Total Direct Expenses per Bu. Total Dir & Ovhd Exp per Bushel	\$2.64 \$4.67	\$2.68 \$4.70	\$2.50 \$4.11	\$3.24 \$5.34	\$4.69 \$7.71	2000 2001 2002 2003 2004
• •						Violational Divisional Cook / Unit
Spring Wheat Yield per Acre	53.3	41.3	26.5	59.5	46.6	Yield and Dir&Ovhd Cost / Unit
Value per Bushel	\$3.52	\$3.10	\$3.97	\$3.64	\$3.40	7 60 80
Fuel, Oil, Repairs per Acre	\$21.49	\$21.31	\$19.52	\$21.02	\$23.77	47 477
Total Dir & Ovhd Exp per Acre	\$138.11	\$145.88	\$126.28	\$148.60	\$158.19	3.54 26 3.40 40
Net Return per Acre	\$51.66	(\$7.61)	\$8.70	\$68.21	\$17.97	2.59
Total Direct Expenses per Bu.	\$1.74	\$2.36	\$3.14	\$1.69	\$2.32	0 000 000 000 000
Total Dir & Ovhd Exp per Bushel	\$2.59	\$3.54	\$4.77	\$2.50	\$3.40	2000 2001 2002 2003 2004
Beef Cow Calf	0.7	^	φ-= - ·	0.55 = -	0.400 ==	Cost/Cow & Price/Cwt Calf
Price Recv'd/Cwt Calf Sold	\$97.37	\$89.30	\$87.24	\$92.50	\$102.97	500
Total Feed Cost/Cow Return over Feed/Cow	\$210.03 \$249.56	\$242.00 \$188.78	\$252.29 \$167.93	\$256.44 \$235.80	\$279.03 \$287.67	375 405 414 417 451 - 150
Net Return/Cow	\$249.56 \$85.04	\$26.06	\$167.93	\$235.80 \$75.73	\$287.67 \$116.11	250 - 97 89 87 93 103 - 75
Total Direct & Ovhd Expenses	\$374.55	\$404.72	\$413.87	\$416.51	\$450.59	
		–				2000 2001 2002 2003 2004
Dairy Cowe						Milly Drice & Coat to Dreduce
<u>Dairy Cows</u> Production/Cow	19,794	19,555	20,037	19,998	20,228	Milk Price & Cost to Produce
Price Recv'd/Cwt Milk	\$12.17	\$15.02	\$12.57	\$12.93	\$16.37	16.37
Total Feed Cost/Cwt Milk	\$4.86	\$5.12	\$5.13	\$5.44	\$5.81	12.17 12.57 12.93
Return over Feed/Cwt Milk	\$6.96	\$9.10	\$7.20	\$7.65	\$10.03	9 10.11 11.20 11.02 11.24 12.14 12.14
Net Return/Cwt Milk	\$1.71	\$3.02	\$1.31	\$1.84	\$3.70	
Total Direct & Ovhd Expenses	\$10.11	\$11.20	\$11.02	\$11.24	\$12.14	2000 2001 2002 2003 2004
						2000 2001 2002 2000 2001

Program Information

Half a century later, after serving thousands of farm businesses, Minnesota Farm Business Management Education has celebrated its golden anniversary. Farm Business Management Education has been a part of agriculture education programs in Minnesota since 1953. From the early cooperative efforts of the State Department of Education and the Department of Agriculture Education (University of Minnesota), the program has expanded to serve over 5000 farm families each year in six Farm Management areas. Programs are now an integral part of the Minnesota State College and University System, through eight two-year Colleges.

The Farm Business Management Program is an educational program that is designed to help farm families achieve their farm business and family goals. This is done through improved management organization and efficiency of their farm operations. This purpose has not changed over the years.

The programs became credit based in the 1992 Fiscal Year. A typical farm business management student registers for 10 semester credits per year. The courses have been designed to meet the unique needs of students who enroll on a part-time basis, while operating or managing a farm business. The program relies on individualized instruction to adequately address the needs of the individual farmer, making enrollment even more beneficial. To accomplish these purposes, programs have been organized to conform to the following guidelines:

- Farm families enroll in a specific management course.
- Each course has a specific objective and units of instruction to meet the objective.
- Courses are offered in sequence and farmers are expected to enroll in the first of the sequence of courses.
- There is continuity to each course. Each leads to the next course in the sequence.
- Instruction is primarily individualized on the farm or in the office with the farm family.
 Additional instruction is also offered in group or classroom settings.

Northland Community & Technical College now offers the following Farm Business Management Programs:

- 1. Farm Business Management Diploma Program
- 2. Advanced Farm Business Management Certificate Program
- 3. Farm Business Management Current Topics Certificate Program
- 4. Agriculture Commodity Marketing Certificate Program
- 5. Advanced Agriculture Commodity Marketing Certificate Program
- 6. Precision Agriculture Certificate Program

Central Lakes Community & Technical College now offers the following Farm Business Management Programs:

- 1. Essentials in Farm Business Management Certificate Program
- 2. Applications in Farm Business Management Certificate Program
- 3. Farm Business Management Diploma Program
- 4. Advanced Farm Business Management Certificate Program
- 5. Agriculture Commodity Marketing Certificate Program

Like most educational programs, members benefit from the instruction in relation to how much effort they put into study. Some farmers have benefited more and some less, depending upon how seriously they studied the results of their business analysis and the kind of decisions they made as a result of their analysis.