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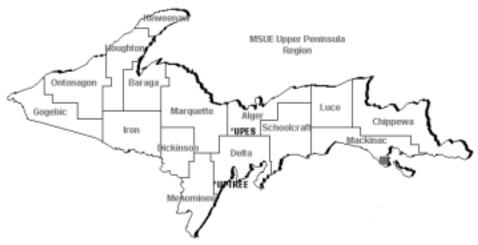
## Staff Paper

#### Dairy Farms in Michigan's U. P., 2001

Sherrill B. Nott Warren Schauer Steve Zimmerman

Staff Paper 2002-11

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#### DAIRY FARMS IN MICHIGAN'S U. P., 2001

#### Michigan Data from Telfarm/MicroTel, and Farm Credit Services Staff Paper No. 2002-11, 16 pages

by

Sherrill B. Nott, Warren Schauer, and Steve Zimmerman<sup>1</sup>

#### Introduction

A.

The body of this report is organized as follows:

- I. Introduction and Table of Contents for Upper Peninsula (U. P.) Dairy Farms
  - A. List of Tables
  - B. Data Source
- II. List and sequence of Tables

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#### **Data Source**

Farm types were assigned using the 1992 Census of Agriculture's Standard Industrial Classification (SIC) definitions. Basically, any farm with 50 percent or more of value of farm sales from one item becomes a farm of that type. Dairy farms have 50 percent or more of value of combined sales from milk and cull dairy animals.

This report is a summary of the financial and production records kept by U.P. dairy farmers enrolled in the Telfarm/MicroTel record program through Michigan State University Extension, or were

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accounting clients of Farm Credit Services. Farm records were included if a Finan<sup>2</sup> summary was completed on 2001 data including beginning and ending balance sheets, plus income and expenses. The summary was included if cash discrepancy was less than 10% of gross cash inflow, and if the debt discrepancy was less than \$1,000. The averages are reported in the tables below; it should be recognized that considerable variability exists in the data. The unweighted mean of the net farm income for the 26 farms was \$53,386; the standard deviation of the mean was \$53,052 and the median was \$45,902. The unweighted mean of milk sold per cow for the 26 farms was 17,313 lbs.; the standard deviation of the mean was 3,277 lbs. and the median was 17,900 lbs.

This report has two purposes: 1) to provide statistical information about the financial results on U.P. dairy farms during 2001; and 2) to provide production costs for comparative analysis and forward planning.

RankEm<sup>3</sup> allows rapid analysis of group averages with some degree of choice over how the results are presented. We prefer to show the average of the high or low 33 percent by net income, but only if the 33 percent means 6 or more farms. The farm was accepted in the average regardless of whether the farm was a proprietorship, partnership, limited liability company, or corporation. RankEm will produce a variety of report options; a subset is given in this publication.

The farms included in the averages below were not a random sample. They kept their financial records on a supervised system and received a variety of off-farm management help. The averages may be representative of bigger and better managed U.P. dairy farms.

This document may be found and downloaded from the following:

http://www.msu.edu/user/nott

Finan = financial analysis, one of the parts of Finpack, a financial software package from the Center for Farm Financial Management at the University of Minnesota.

Rankem = software from the Center for Farm Financial Management at the University of Minnesota. It provides group statistics from Finan data.

## Table 1 LIVESTOCK AND CROP PRODUCTION SUMMARY Dairy Farms in Michigan's Upper Peninsula, 2001

	Avg. Of All Farms	Low 33%	High 34%
Number of farms	26	8	9
Dairy Summary			
Average number of cows	127	139	144
Milk sold per cow, lbs.	17,313	17,907	17,281
Average milk price per cwt.	\$15.09	\$14.31	\$15.31
Acreage Summary			
Total acres owned	607	588	673
Total crop acres	710	784	873
Crop acres owned	414	393	476
Crop acres cash rented	297	391	397
Crop acres share rented	_	_	_

## FARM INCOME STATEMENT **Dairy Farms in Michigan's Upper Peninsula, 2001**

	Avg. Of		
	All Farms	Low 33%	High 34%
Number of farms	26	8	9
Cash Farm Income			
Cordwood	921	1,120	1,665
Corn	308	_	_
Hay, Mixed	1,337	249	1,083
Straw	115	_	17
Miscellaneous crop income	10	_	_
Beef Cow-Calf, Beef Calves	352	_	1,017
Beef, Background Beef	254	826	_
Dairy, Milk	329,390	362,790	385,892
Dairy, Dairy Calves	1,305	1,397	1,306
Dairy Heifers (for sale)	574	-	330
Dairy Replacement Heifers	198	244	329
Dairy Steers	11,754	16,480	10,648
Sheep, Market Lambs, Mkt Lambs	221	-	638
Cull breeding livestock	17,244	20,466	21,380
Misc. livestock income	1,382	-	4
Other government payments	13,347	17,226	13,930
Custom work income	5,382	16,152	_
Patronage dividends, cash	1,269	629	2,729
Insurance income	11,880	21,607	12,830
Other farm income	8,879	16,934	3,895
Gross Cash Farm Income	406,122	476,120	457,693

#### FARM INCOME STATEMENT (Continued) Dairy Farms in Michigan's Upper Peninsula, 2001 (Farms sorted by Net Farm Income)

	Avg. Of All Farms	Low 33%	High 34%
Number of Farms	26	8	9
Cash Farm Expense			
Seed	7,202	10,659	5,999
Fertilizer	15,679	30,350	11,143
Crop chemicals	5,733	11,909	3,002
Crop insurance	79	38	196
Crop miscellaneous	569	479	629
Feeder livestock purchase	1,279	_	702
Purchased feed	85,991	94,982	96,185
Breeding fees	2,745	3,030	3,462
Veterinary	6,940	8,777	8,291
BST	1,073	2,903	519
Livestock supplies	15,767	16,653	17,521
DHIA	97	131	-
Livestock marketing	6,226	6,262	8,200
Interest	19,726	27,406	13,717
Fuel & oil	12,691	14,001	13,873
Repairs	24,691	38,866	23,993
Custom hire	10,211	13,498	9,023
Hired labor	46,556	61,438	57,759
Land rent	8,474	10,262	7,613
Machinery & bldg leases	2,481	3,766	667
Real estate taxes	5,250	5,829	5,554
Personal property taxes	305	-	- 2 461
Farm insurance	5,038	6,223	3,461
Utilities	9,387	12,787	9,624
Dues & professional fees	3,751	4,683	4,027
Miscellaneous	12,764 310,704	14,294	12,489
Total cash expense Net cash farm income	95,417	399,224 76,896	317,652 140,041
Net cash farm income	95,417	70,690	140,041
Inventory Changes	0 655	10 142	2 0 4 4
Crops and feed	-8,657	-19,143	-3,044
Market livestock Accounts receivable	802	706	-1,070
Prepaid expenses and supplies	6,838 112	4,690 -1,540	8,319
	2,935		1,193
Accounts payable Total inventory change	2,031	-3,145 -18,432	12,663 18,062
Net operating profit	· -	58,464	158,103
net operating profit	97,448	50,404	130,103
Depreciation and Other Capital Adjust		0.050	10 110
Breeding livestock	7,347	-9,370	19,110
Machinery and equipment	-35,552	-39,032	-45,134
Buildings and improvements	-15,737	-13,235	-17,337
Other farm capital Total depr. and other capital adj	-160 -44 102	1,145	-632 -43 992
iotai depr. and other capital adj	-44,102	-60,492	-43,992
Net farm income	53,346	-2,029	114,111

Table 4

### **INVENTORY CHANGES** Dairy Farms in Michigan's Upper Peninsula, 2001 (Farms sorted by Net Farm Income)

	Avg. Of <u>All Farms</u>	<u>Low 33%</u>	<u> High 34%</u>
Number of farms	26	8	9
Net cash farm income	95,417	76,896	140,041
Crops and Feed Ending inventory Beginning inventory Inventory change	66,218 74,874 -8,657	79,265 98,408 -19,143	73,035 76,079 -3,044
Market Livestock Ending inventory Beginning inventory Inventory change	14,980 14,178 802	20,225 19,519 706	12,110 13,179 -1,070
Accts Receivable & Other Current Ass Ending inventory Beginning inventory Inventory change	22,652 15,814 6,838	22,703 18,014 4,690	21,524 13,205 8,319
Prepaid Expenses and Supplies Ending inventory Beginning inventory Inventory change	10,145 10,033 112	15,984 17,524 -1,540	11,473 10,280 1,193
Accounts Payable & Accrued Expenses Beginning inventory Ending inventory Inventory change	10,137 7,202 2,935	•	21,364 8,701 12,663
Total inventory change	2,031	-18,432	18,062
Net operating profit	97,448	58,464	158,103

Table 5

## DEPRECIATION AND OTHER CAPITAL ADJUSTMENTS Dairy Farms in Michigan's Upper Peninsula, 2001

	Avg. Of <u>All Farms</u>	Low 33%	<u> High 34%</u>
Number of farms	26	8	9
Net operating profit	97,448	58,464	158,103
Breeding Livestock Ending inventory Capital sales Beginning inventory Capital purchases Depreciation, capital adjust.	282,383 272 264,341 10,967 7,347	295,775 883 294,269 11,759 -9,370	311,086 2 291,900 78 19,110
Machinery and Equipment Ending inventory Capital sales Beginning inventory Capital purchases Depreciation, capital adjust.	99,978 880 96,001 40,409 -35,552	137,321 1,198 131,805 45,745 -39,032	103,974 1,476 98,903 51,681 -45,134
Buildings and Improvements Ending inventory Capital sales Beginning inventory Capital purchases Depreciation, capital adjust.	121,753 - 101,291 36,199 -15,737		11,342
Other Capital Assets Ending inventory Capital sales Beginning inventory Capital purchases Depreciation, capital adjust.	54,324 162 53,378 1,267 -160	130,436 346 127,599 2,038 1,145	11,223 160 10,366 1,649 -632
Total depreciation, capital adj.	-44,102	-60,492	-43,992
Net farm income	53,346	-2,029	114,111

### PROFITABILITY MEASURES Dairy Farms in Michigan's Upper Peninsula, 2001 (Farms sorted by Net Farm Income)

	Avg. Of All Farms	<u>Low 33%</u>	High 34%
Number of farms	26	8	9
Profitability (assets valued at cost) Net farm income Labor and management earnings Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate	53,346	-2,029	114,111
	31,012	-22,022	85,580
	2.8 %	-1.7 %	8.6 %
	0.1 %	-13.7 %	10.2 %
	6.4 %	-4.1 %	16.2 %
	44.2 %	40.0 %	53.0 %
Interest on farm net worth Farm interest expense Value of operator lbr and mgmt. Return on farm assets Average farm assets Return on farm equity Average farm equity Value of farm production	22,334	19,994	28,531
	20,366	29,487	13,717
	52,835	42,255	65,624
	20,877	-14,796	62,203
	735,832	894,947	725,373
	511	-44,283	48,487
	368,958	322,563	475,511
	325,416	358,022	384,800
Number of farms	All Farms 26	<u>Low 33%</u> 8	<u>High 34%</u> 9
Profitability (assets valued at market) Net farm income Labor and management earnings Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate	93,276	29,325	179,719
	43,676	-17,631	126,498
	5.1 %	1.2 %	11.2 %
	4.9 %	-1.7 %	12.9 %
	18.7 %	4.6 %	33.2 %
	27.3 %	26.4 %	33.8 %
Interest on farm net worth Farm interest expense Value of operator lbr and mgmt. Return on farm assets Average farm assets 1 Return on farm equity Average farm equity Value of farm production	49,600	46,956	53,221
	20,366	29,487	13,717
	52,835	42,255	65,624
	60,807	16,558	127,812
	,193,544	1,354,989	1,136,886
	40,441	-12,930	114,095
	826,670	782,605	887,024
	325,416	358,022	384,800

### LIQUIDITY MEASURES Dairy Farms in Michigan's Upper Peninsula, 2001 (Farms Sorted By Net Farm Income)

	Avg. Of		
	<u>All Farms</u>	Low 33%	High 34%
Number of farms	26	8	9
Liquidity (cash) Net cash farm income Net nonfarm income Family living and taxes Real estate principal payments Cash available for interm. debt Average intermediate debt	95,417	76,896	140,041
	9,717	5,466	9,587
	42,960	22,246	69,067
	8,868	10,162	12,110
	53,306	49,954	68,451
	116,835	121,617	107,668
Years to turnover interm. debt	2.2	2.4	1.6
Expense as a % of income	77 %	84 %	69 %
Interest as a % of income	5 %	6 %	3 %
Liquidity (accrual) Total accrual farm income Total accrual operating expense Net accrual operating income Net nonfarm income Family living and taxes Real estate principal payments Available for intermediate debt Average intermediate debt	405,105	462,373	461,899
	307,657	403,909	303,796
	97,448	58,464	158,103
	9,717	5,466	9,587
	42,960	22,246	69,067
	8,868	10,162	12,110
	55,337	31,522	86,513
	116,835	121,617	107,668
Years to turnover interm. debt	2.1	3.9	1.2
Expense as a % of income	76 %	87 %	66 %
Interest as a % of income	5 %	6 %	3 %

## BALANCE SHEET AT COST VALUES **Dairy Farms in Michigan's Upper Peninsula, 2001**

Avg. Of All Farms Low 33%				Hiq	h 34%	
Number of farms	20			8		9
		- 1'		- 1'		- 11
Assets	Beginning	Ending	Beginning	Ending	Beginning	Ending
Current Farm Assets						
Cash and checking balance	15,550	5,939	4,606	-664	8,867	8,418
Prepaid expenses & supplies	10,033	10,145	17,524	15,984	10,280	11,473
Growing crops	1,971	2,012	0	0	193	504
Accounts receivable	13,327 0	19,871 0	16,701 0	21,203	13,012 0	20,520 0
Hedging accounts Crops held for sale or feed	74,874	66,218	98,408	79,265	76,079	73,035
Crops under government loan	74,074	00,210	0,400	75,203	70,079	73,033
Market livestock held for sale	14,178	14,980	19,519	20,225	13,179	12,110
Other current assets	516	769	1,313	1,500	0	500
Total current farm assets	130,450	119,934	158,071	137,514	121,610	126,560
Intermediate Farm Assets						
Breeding livestock	264,341	282,383	294,269	295,775	291,900	311,086
Machinery and equipment	96,001	99,978	131,805	137,321	98,903	103,974
Other intermediate assets	38,930	38,954	120,789	122,581	1,694	2,177
Total intermediate farm assets	399,271	421,315	546,863	555,677	392,496	417,236
Long Term Farm Assets						
Farm land	74,012	73,821	78,888	82,947	89,473	84,995
Buildings and improvements	101,291	121,753	109,055	106,214	103,326	97,331
Other long-term assets	14,448	15,370	6,810	7,855	8,672	9,046
Total long-term farm assets Total Farm Assets	189,751	210,944		197,016	201,472	191,372
TOTAL FARM ASSETS	719,473	752,192	899,688	890,207	715,578	735,168
Total Nonfarm Assets	16,220	20,972	13,662	18,546	13,528	13,477
Total Assets	735,692	773,165	913,349	908,753	729,107	748,645
Liabilities						
Current Farm Liabilities						
Accrued interest	7	647	0	2,081	0	0
Accounts payable	10,130	6,555	634	1,697	21,364	8,701
Current notes Government crop loans	45,144 0	36,010 0	94,792 0	75,277 0	25,115 0	19,272 0
Principal due on term debt	30,183	27,276	33,879	33,017	37,429	24,773
Total current farm liabilities	85,464	70,487	129,305	112,072	83,908	52,746
Total intermediate farm liabs	84,707	108,350	77,395	120,848	79,500	94,461
Total long term farm liabilities	189,455	195,285	362,747	342,402	101,625	87,484
Total farm liabilities	359,627	374,122	569,447	575,322	265,032	234,691
Total nonfarm liabilities	4,305	4,256	0	0	6,111	6,111
Total liabilities	363,932	378,377	569,447	575,322	271,144	240,802
Net worth (farm and nonfarm)	371,760	394,788	343,903	333,431	457,963	507,843
Net worth change		23,027		-10,472		49,880
Ratio Analysis						
Current farm liabilities / assets	66 %	59 %	82 %	81 %	69 %	42 %
Curr. & interm farm liab. / assets	32 %	33 %	29 %	34 %	32 %	27 %
Long term farm liab. / assets	100 %	93 %	186 %	174 %	50 %	46 %
Total debt to asset ratio	49 %	49 %	62 %	63 %	37 %	32 %

### BALANCE SHEET AT MARKET VALUES Dairy Farms in Michigan's Upper Peninsula, 2001 (Farms sorted by Net Farm Income)

Number of farms		g. Of <u>Farms</u> 26	Low	33% 8	Hig	n 34% 9
	Beginning	Ending	Beginning	Ending	Beginning	Ending
Assets	ведтинтид	Enaing	ведтинтид	Enaing	ведтинтид	Enaing
Current Farm Assets						
Cash and checking balance	15,550	5,939	4,606	-664	8,867	8,418
Prepaid expenses & supplies	10,033	10,145	17,524	15,984	10,280	11,473
Growing crops	1,971	2,012	0	0	193	504
Accounts receivable	13,327					20,520
Hedging accounts	0					0
Crops held for sale or feed	74,874			79,265		73,035
Crops under government loan	14 170					0
Market livestock held for sale Other current assets	14,178			20,225		12,110 500
Total current farm assets	516 130,450					126,560
Total callene farm abbeeb	130,130	110,001	130,071	137,311	121,010	120,300
Intermediate Farm Assets						
Breeding livestock	264,341					311,086
Machinery and equipment	204,998					
Other intermediate assets	50,407					
Total intermediate farm assets	519,746	544,011	674,072	686,481	480,759	510,667
Long Term Farm Assets						
Farm land	347,363	381,812	365,475	387,013	309,375	345,861
Buildings and improvements	145,108	168,339	139,625	147,063	172,980	185,813
Other long-term assets	14,553	15,773	6,810	7,855	9,562	10,585
Total long-term farm assets	507,024					542,259
Total Farm Assets	1,157,220	1,229,869	1,344,053	1,365,925	1,094,287	1,179,485
Total Nonfarm Assets	46,603	53,526	27,883	34,715	45,213	46,457
Total Assets					1,139,500	
Liabilities Current Farm Liabilities Accrued interest Accounts payable	7 10,130			•		
Current notes	45,144					19,272
Government crop loans	0	0	0	0	0	0
Principal due on term debt	30,183	27,276	33,879	33,017	37,429	24,773
Total current farm liabilities	85,464	70,487	129,305	112,072	83,908	52,746
Total intermediate farm liabs	84,707					94,461
Total long term farm liabilities	189,455					87,484
Total farm liabilities	359,627	374,122	569,447	575,322	265,032	234,691
Total nonfarm liabilities	4,305	4,256	0	0	6,111	6,111
Total liabs excluding deferreds	363,932	378,377	569,447	575,322	271,144	240,802
Total deferred liabilities	0	0		0		0
Total liabilities	363,932	378,377	569,447	575,322	271,144	240,802
Retained earnings	371,760	394,788	343,903	333,431	457,963	507,843
Market valuation equity	468,131			491,887		477,297
Net worth (farm and nonfarm)	839,891			825,318		985,140
Net worth excluding deferreds	839,891			825,318		985,140
Net worth change		65,127		22,830		116,783
Ratio Analysis Current farm liabilities / assets Curr. & interm farm liab. / assets	66 % 26 %		82 % 25 %	81 % 28 %		42 % 23 %
Long term farm liab. / assets	37 %			63 %		16 %
Total debt to asset ratio	30 %		42 %	41 %		20 %
Debt to assets excl deferreds	30 %			41 %		20 %

Table 10

### STATEMENT OF CASH FLOWS Dairy Farms in Michigan's Upper Peninsula, 2001 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 33%	High 34%
Number of farms	26	8	9
Beginning cash (farm & nonfarm)	15,639	4,606	8,867
Cash From Operating Activities Gross cash farm income Net nonfarm income Total cash farm expense Apparent family living expense Income and social security tax Cash from operations	406,122 9,717 -310,704 -35,998 -6,962 62,174	-19,968 -2,278	-50,771 -18,296
Cash From Investing Activities Sale of breeding livestock Sale of machinery & equipment Sale of farm land Sale of farm buildings Sale of other farm assets Sale of nonfarm assets Purchase of breeding livestock Purchase of machinery & equip. Purchase of farm land Purchase of farm buildings Purchase of other farm assets Purchase of nonfarm assets Cash from investing activities	272 880 3,425 - 162 - -10,967 -40,409 -2,000 -36,199 -1,267 -2,672 -88,775	883 1,198 11,133 - 346 - -11,759 -45,745 -6,500 -10,394 -2,038 -5,238 -68,115	2 1,476 - 160 - 78 -51,681 - -11,342 -1,649 - -63,111
Cash From Financing Activities Money borrowed Cash gifts and inheritances Principal payments Dividends paid Gifts given Cash from financing activities Net change in cash balance	87,684 813 -70,302 - -1,294 16,901 -9,700	56,280 -53,550 - 2,730 -5,270	- -222
Ending cash (farm & nonfarm)	5,939	-664	8,418

Table 11

### FINANCIAL STANDARDS MEASURES Dairy Farms in Michigan's Upper Peninsula, 2001 (Farms Sorted By Net Farm Income)

	Avg. Of <u>All Farms</u>	Low 33%	High 34%
Number of farms	26	8	9
Liquidity Current ratio Working capital	1.70 49,447	1.23 25,442	2.40 73,814
Solvency (market) Farm debt to asset ratio Farm equity to asset ratio Farm debt to equity ratio	30 % 70 % 44 %	42 % 58 % 73 %	20 % 80 % 25 %
Profitability (cost) Rate of return on farm assets Rate of return on farm equity Operating profit margin Net farm income	2.8 % 0.1 % 6.4 % 53,346	-13.7 % -4.1 %	16.2 %
Repayment Capacity Term debt coverage ratio Capital replacement margin	174 % 34,099	113 % 7,804	247 % 62,164
Efficiency Asset turnover rate (cost) Operating expense ratio Depreciation expense ratio Interest expense ratio Net farm income ratio	44.2 % 70.9 % 10.9 % 5.0 % 13.2 %	13.1 %	9.5 % 3.0 %

Table 12

## OPERATOR AND LABOR INFORMATION Dairy Farms in Michigan's Upper Peninsula, 2001

	Avg. Of All Farms	Low 33%	High 34%
Number of farms	26	8	9
Operator Information Average number of operators	1.5	1.3	1.7
Results Per Operator Working capital Total assets (market) Total liabilities Net worth (market) Net worth excl deferred liabs	32,964 855,597 252,251 603,345 603,345	460,258 660,255 660,255	
Gross farm income Total farm expense Net farm income	270,070 234,506 35,564	369,898 371,521 -1,623	
Net nonfarm income Family living withdrawals	6,478 28,640	4,373 17,797	5,752 41,440
Total acres owned Total crop acres Crop acres owned Crop acres cash rented Crop acres share rented Total pasture acres	404.7 473.5 275.8 197.7 -		403.5 523.7 285.3 238.4
Labor Analysis Number of farms Total unpaid labor hours Total hired labor hours Total labor hours per farm Unpaid hours per operator Value of farm production / hour Net farm income / unpaid hour	26 5,407 4,374 9,781 3,604 33.27 9.87	3,700	4,793 11,301

#### FINANCIAL SUMMARY Dairy Farms in Michigan's Upper Peninsula, 2001 (Farms Sorted By Net Farm Income)

(Turns	Avg. Of			
		T 01:1 22%	High 24%	
Number of farms	<u>All Farms</u> 26	Low 33% 8	<u>High 34%</u> 9	
Income Statement				
Gross cash farm income	406,122	476,120	457,693	
Total cash farm expense	310,704	399,224		
Net cash farm income	95,417	76,896		
Inventory change	2,031	-18,432		
Depreciation and capital adjust	-44,102			
Net farm income	53,346	-2,029	114,111	
Profitability (cost)				
Labor and management earnings	31,012			
Rate of return on assets	2.8 %	-1.7 %		
Rate of return on equity	0.1 %			
Operating profit margin	6.4 %	-4.1 %		
Asset turnover rate	44.2 %	40.0 %	53.0 %	
Profitability (market)	40.676		105 100	
Labor and management earnings	43,676	-17,631		
Rate of return on assets	5.1 %	1.2 %		
Rate of return on equity	4.9 %	-1.7 %		
Operating profit margin	18.7 %			
Asset turnover rate	27.3 %	26.4 %	33.8 %	
Liquidity				
Term debt coverage ratio	173.7 %			
Expense as a percent of income	75.9 %			
Interest as a percent of income	5.0 %	6.4 %	3.0 %	
Solvency (cost)				
Number of farms	26	8	9	
Ending farm assets	752,192	890,207		
Ending farm liabilities	374,122	575,322	234,691	
Ending total assets	773,165	908,753		
Ending total liabilities	378,377	575,322	240,802	
Ending net worth	394,788	333,431		
Net worth change	23,027			
Ending farm debt to asset ratio	50 %	65 %		
Beg total debt to asset ratio	49 %	62 %		
End total debt to asset ratio	49 %	63 %	32 %	
Solvency (market)	0.5	2	^	
Number of farms	26	8	9	
Ending farm assets	1,229,869	1,365,925	1,179,485	
Ending farm liabilities	374,122	575,322	234,691	
Ending total assets	1,283,395	1,400,640	1,225,942	
Ending total liabilities	378,377	575,322	240,802	
Ending net worth	905,018	825,318	985,140	
Net worth change	65,127	22,830	116,783	
Ending farm debt to asset ratio	30 %	42 %	20 %	
Beg total debt to asset ratio End total debt to asset ratio	30 % 29 %	42 % 41 %	24 % 20 %	
ENG LOCAL GEDE TO ASSET FACTO	29 6	<del>1</del> 1 6	20 6	
Nonfarm Information	0 815	- 466	2 525	
Net nonfarm income	9,717	5,466	9,587	