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### 2005 Michigan Feeder Steers Business Analysis Summary

Eric Wittenberg and Roy Black

Staff Paper 2006-31

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2005 Michigan TelFarm and Farm Credit Services Data Staff Paper No. 06-31

By

Eric Wittenberg and Roy Black

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#### 2005 Michigan Feeder Steer Farm Business Analysis Summary

### by Eric Wittenberg and Roy Black<sup>1</sup>

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<sup>&</sup>lt;sup>1</sup> Co-workers in the TelFarm project were: R. Betz, L. Borton, B. Battel, W. Schauer, D. Stein, and V. Varner with the assistance of Michigan State University Extension Agents. Farm Credit Services of Michigan co-workers were Kelly Tobin, Steve Eshelman, Janice Raymond, Tiffany Aldrich, Anne Gerke, Kathleen Spranger, Sonya Pentecost, and Lynette Wood. Farm Credit Services of Wisconsin co-worker was Steve Zimmerman.

#### **Executive Summary**

This report summarizes the financial and production records of 5 Michigan feeder steer farms. To be included, the farms must have produced at least 50 percent of gross cash farm income from feeder steer sales. The records came from Michigan State University's TelFarm project and the Farm Credit Service system in Michigan. The values were pooled into averages for reporting purposes.

Farm records were included if a farm financial summary was completed on 2005 data including beginning and ending balance sheets, plus income and expenses. The data were checked to verify that cash discrepancy was less than 10% of gross cash inflow and that debt discrepancy was less than \$1,000. While considerable variation in the data exists, average values are reported in the summary tables below.

#### Summary of Results

In 2005, the average feeder steer farm in the business analysis sold 386 head with an average price per head of \$1,037 (Table 1); the average price per hundredweight was \$95.58. The total acres owned averaged 359 and the total cropped acres averaged 800. The total feeder steer farms used in this report were 5.

Table 1. Average Michigan Feeder Steer Farm Characteristics, 2002-2005

		,		
	2002	2003	2004	2005
Average number of head	1352	454	464	386
Average price sold (\$/head)	833	965	1094	1037
Average price sold (\$/cwt.)	79.25	78.57	90.40	95.58
Total acres owned	535	535	227	359
Total crop acres	1213	1213	809	800
Number of farms	10	10	8	5

An income statement calculates profits, which are net farm income in this case. The net farm income value is the return to operator unpaid management, labor and capital invested. Net farm income in 2005 averaged \$87,242, (Table 2). This average somewhat obscures a very large range of net farm income values. For example, the net farm income median was \$43,932, while the range was a negative \$-9,210 to \$264,405. The standard deviation was \$109,533 for 2005.

Gross cash farm income averaged \$625,544 in 2005. The two largest components of these revenues were finished beef calves which averaged \$123,487 and finish yearling steers which averaged \$256,792. The third largest revenue was corn which averaged \$88,953. Government payments added additional revenue, which averaged \$49,289.

Average total cash expenses were \$493,224 in 2005 and average net cash farm income was \$132,320. Inventory changes, crops and feed, market livestock, prepaid expenses and supplies, and accounts receivable increased slightly and average total inventories change was \$24,295. Depreciation for 2004 averaged a negative \$69,373. In 2005, the net farm income averaged \$87,242.

Table 2. Average Michigan Feeder Steer Farm Income Statement, 2002-2005

	2002	2003	2004	2005
	(\$)	(\$)	(\$)	(\$)
Gross cash farm income	1,354,980	639,717	706,377	625,544
- Total cash expense	1,172,214	<u>587,662</u>	645,108	493,224
= Net cash farm income	182,766	52,054	61,269	132,320
+ Inventory change	-187,760	82,616	21,244	24,295
+ Depreciation and capital adjustments	<u>-61,818</u>	<u>-33,346</u>	<u>-49,913</u>	<u>-69,373</u>
= Net farm income	-66,812	101,325	32,599	87,242

Four key financial performance indicators are presented in Table 3. The rate of on assets (ROA) is calculated as the net farm income plus interest minus the value of unpaid labor and management divided by the average total farm asset. ROA indicates the farm earnings, as a percentage of invested assets and ROA provides the key summary performance indicator for your farm. The rate of return on equity (ROE) is calculated as the net farm income plus interest minus the value of unpaid labor and management divided by the total net farm worth. ROE represents the farms earnings on net worth and is expressed as a percentage of own equity capital. Ideally the ROE should be greater than the ROA indicating that money is being made on borrowed capital (conversely which is the case in Table 3). Operating profit margin (OPM) is the operating profit (as defined in ROA above) divided by gross revenues. Operating profit margin measures the dollars of profit generated per dollar of revenue. The return on assets depends on asset turnover rate (ATR), which is the gross farm revenues divided by average asset value. Asset turnover measures the efficiency with which farm assets generate revenue.

The average 2005 (Table 3) feeder steer farm's ROA was 2.7 percent which was 33 percent decrease over the 2004 average ROA of 4.0 percent. Return on equity had similar loses, ROE for 2005 was 2.5 percent and for 2004 was 4.2, a 40 percent decrease. The operating profit margin for 2005, feeder steer farms generated 14.7 cents of profit per dollar of revenue. Asset turnover ratio in 2005 was 18.4 percent, a slight decline over 2004, meaning that the farm assets were a little less efficient in 2005. All profitability measures for 2005 declined over 2004.

Table 3. Average Michigan Feeder Steer Farm Profitability Indicators, 2002-2005

	2002	2003	2004	2005
	(%)	(%)	(%)	(%)
Rate of return on assets*	-2.1	8.0	4.0	2.7
Rate of return on equity	-5.7	10.4	4.2	2.5
Operating profit margin	-9.9	34.3	19.2	14.7
Asset turnover rate*	20.7	23.5	20.7	18.4

<sup>\*</sup> Assets valued at market value.

## Table 4 Crop Production and Marketing Summary Michigan Feeder Steers, 2005 (Farms Sorted By Rate of Return on Assets - Mkt)

	Avg. Of All Farms
Number of farms	5
Acreage Summary Total acres owned Total crop acres Crop acres owned Crop acres cash rented Crop acres share rented Total pasture acres	359 800 340 460 - 6

### Farm Income Statement Michigan Feeder Steers, 2005

	Avg. Of All Farms
Number of farms	5
Cash Farm Income Cordwood Corn Corn, Seed Hay, Alfalfa Hay, Mixed Oats Rye Soybeans Straw Wheat, Winter Beef Cow-Calf, Beef Calves Beef, Finish Beef Calves Beef, Finish Yrlg Steers Dairy Steer Finishing Hogs, Feeder Pigs, Feeder Pigs Sheep, Market Lambs, Mkt Lambs Cull breeding livestock Direct & CC govt payments Other government payments Custom work income	422 88,953 902 320 3,177 1,957 965 13,400 1,345 5,288 23,647 123,487 256,792 31,780 176 1,200 5,878 20,631 28,658 1,221
Patronage dividends, cash Other farm income Gross Cash Farm Income	26 15,319 625,544

### Farm Income Statement (Continued) Michigan Feeder Steers, 2005

	Avg. Of All Farms
Number of farms	5
Cash Farm Expense	
Seed	17,887
Fertilizer	36,979
Crop chemicals	24,122
Crop supplies	122
Crop hauling and trucking	244
Crop miscellaneous	470
Feeder livestock purchase Purchased feed	231,507
Breeding fees	41,083 366
Veterinary	6,587
Livestock supplies	6,497
Livestock leases	110
Livestock hauling and trucking	952
Marketing	1,038
Interest	14,860
Fuel & oil	15,824
Repairs	18,428
Custom hire	5,938
Hired labor	22,996
Land rent	23,042
Machinery leases	290
Real estate taxes	5,539
Personal property taxes	1,963
Farm insurance Utilities	8,533
Dues & professional fees	3,708 2,609
Hedging account deposits	2,609
Miscellaneous	1,465
Total cash expense	493,224
Net cash farm income	132,320
	,
Inventory Changes	
Crops and feed	-1,222
Market livestock	2,428
Accounts receivable	1,348 23,330
Prepaid expenses and supplies Accounts payable	-1,589
Total inventory change	24,295
Net operating profit	156,616
Depreciation and Other Capital Adjust	ments
Breeding livestock	400
Machinery and equipment	-60,166
Buildings and improvements	-9,798
Other farm capital	191
Total depr. and other capital adj	-69,373
Net farm income	87,242

## Table 6 Inventory Changes Michigan Feeder Steers, 2005 (Farms Sorted By Rate of Return on Assets - Mkt)

	Avg. Of All Farms
Number of farms	5
Net cash farm income	132,320
Crops and Feed Ending inventory Beginning inventory Inventory change	97,275 98,497 -1,222
Market Livestock Ending inventory Beginning inventory Inventory change	264,899 262,472 2,428
Accts Receivable & Other Current Asse Ending inventory Beginning inventory Inventory change	ts 24,274 22,925 1,348
Prepaid Expenses and Supplies Ending inventory Beginning inventory Inventory change	37,864 14,534 23,330
Accounts Payable & Accrued Expenses Beginning inventory Ending inventory Inventory change	7,221 8,810 -1,589
Total inventory change	24,295
Net operating profit	156,616

## Table 7 Depreciation and Other Capital Adjustments Michigan Feeder Steers, 2005 (Farms Sorted By Rate of Return on Assets - Mkt)

	Avg. Of All Farms
Number of farms	5
Net operating profit	156,616
Breeding Livestock Ending inventory Capital sales Beginning inventory Capital purchases Depreciation, capital adjust.	43,260 - 41,340 1,520 400
Machinery and Equipment Ending inventory Capital sales Beginning inventory Capital purchases Depreciation, capital adjust.	67,737 2,400 85,545 44,759 -60,166
Buildings and Improvements Ending inventory Capital sales Beginning inventory Capital purchases Depreciation, capital adjust.	28,492 - 31,475 6,816 -9,798
Other Capital Assets Ending inventory Capital sales Beginning inventory Capital purchases Depreciation, capital adjust.	9,885 - 8,399 1,294 191
Total depreciation, capital adj.	-69,373
Net farm income	87,242

### Profitability Measures Michigan Feeder Steers, 2005

	Avg. Of All Farms
Number of farms	5
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	87,242 64,309 7.4 % 11.9 % 16.7 % 44.3 %
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	22,934 15,044 42,840 59,447 803,028 44,402 373,429 355,908
	Avg. Of All Farms
Number of farms	5
Profitability (assets valued at marker Net farm income Labor and management earnings Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate	80,208 -10,253 2.7 % 2.5 % 14.7 % 18.4 %
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	90,460 15,044 42,840 52,412 1,938,677 37,368 1,507,674 355,908

## Table 9 Liquidity Measures Michigan Feeder Steers, 2005 (Farms Sorted By Rate of Return on Assets - Mkt)

	Avg. Of All Farms
Number of farms	5
Liquidity (cash) Net cash farm income Net nonfarm income Family living and taxes Principal due on long term debt Cash available for interm. debt Average intermediate debt	132,320 26,176 66,489 9,876 82,130 197,653
Years to turnover interm. debt Expense as a % of income Interest as a % of income Working capital to gross income	2.4 79 % 2 % 60 %
Liquidity (accrual)  Total accrual farm income  Total accrual operating expense Net accrual operating income Net nonfarm income Family living and taxes Principal due on long term debt Available for intermediate debt Average intermediate debt	628,098 471,483 156,616 26,176 66,489 9,876 106,426 197,653
Years to turnover interm. debt Expense as a % of income Interest as a % of income Working capital to gross income	1.9 75 % 2 % 60 %

## Table 10 Balance Sheet at Cost Values Michigan Feeder Steers, 2005 (Farms Sorted By Rate of Return on Assets - Mkt)

Avg. Of All Farms

5

number of farms

	Beginning	Ending
Assets		
Current Farm Assets		40.000
Cash and checking balance	6,511	10,077
Prepaid expenses & supplies	14,534	
Growing crops	6,318	5,618
Accounts receivable	13,763	
Hedging accounts	0	0
Crops held for sale or feed	98,497	
Crops under government loan	0	
Market livestock held for sale		
Other current assets	2,844	
Total current farm assets	404,939	434,390
Intermediate Farm Assets		
Breeding livestock	41,340	43,260
Machinery and equipment	72,837	56,237
Titled vehicles	12,708	11,500
Other intermediate assets	5,742	7,036
Total intermediate farm assets	132,627	118,034
Long Term Farm Assets		
Farm land	225,297	225,297
Buildings and improvements	31,475	
Other long-term assets	2,657	
Total long-term farm assets	259,429	
Total Farm Assets	796,995	
Total Nonfarm Assets	12,568	8,265
Total Assets	809,563	
Total Indicat	005,505	017,527
Liabilities		
Current Farm Liabilities	400	F 0.4
Accrued interest	400	
Accounts payable	6,821	
Current notes	39,833	
Government crop loans	10 166	
Principal due on term debt Total current farm liabilities	18,166	
Total Current Tarm Trabilities	65,220	59,484
Total intermediate farm liabs	198,079	184,447
Total long term farm liabilities	183,812	
Total farm liabilities	447,111	
Makal manfaum liabilitian	0	0
Total nonfarm liabilities	0	410.007
Total liabilities	447,111	412,087
Net worth (farm and nonfarm)	362,451	405,240
Net worth change		42,789
Ratio Analysis		
Current farm liabilities / assets	16 %	14 %
Curr. & interm farm liab. / assets	49 %	
Long term farm liab. / assets	71 %	66 %
Total debt to asset ratio	55 %	50 %
	·	

### Table 11 Balance Sheet at Market Values Michigan Feeder Steers, 2005

#### (Farms Sorted By Rate of Return on Assets - Mkt)

Avg. Of All Farms

Number	of	farms	5
--------	----	-------	---

	•	
	Beginning	Ending
Assets	begiiniing	Enaing
Current Farm Assets		
Cash and checking balance	6,511	10,077
Prepaid expenses & supplies	14,534	
Growing crops	6,318	
Accounts receivable	13,763	
Hedging accounts	13,703	0
Crops held for sale or feed	98,497	
Crops under government loan	0 , 407	0
Market livestock held for sale	262,472	
Other current assets		
Total current farm assets	2,844	
Total Current larm assets	404,939	434,390
Intermediate Form Aggets		
Intermediate Farm Assets	42 250	45 060
Breeding livestock	43,350	
Machinery and equipment	346,603	
Titled vehicles	19,808	
Other intermediate assets	5,742	
Total intermediate farm assets	415,503	409,551
Long Term Farm Assets		
Farm land		1,058,089
Buildings and improvements	34,794	36,240
Other long-term assets		2,848
Total long-term farm assets		1,097,177
Total Farm Assets	1,936,237	1,941,118
Total Nonfarm Assets	53,272	92,815
Total Assets	1 000 500	2 022 022
	1,989,508	2,033,933
	1,989,508	2,033,933
Liabilities	1,989,508	2,033,933
	1,989,508	2,033,933
Liabilities	400	
Liabilities Current Farm Liabilities		584
Liabilities Current Farm Liabilities Accrued interest	400	584 8,226
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans	400 6,821	584 8,226 37,537
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes	400 6,821 39,833	584 8,226 37,537 0
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans	400 6,821 39,833 0	584 8,226 37,537 0 13,137
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt	400 6,821 39,833 0 18,166	584 8,226 37,537 0 13,137
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt	400 6,821 39,833 0 18,166	584 8,226 37,537 0 13,137 59,484
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities	400 6,821 39,833 0 18,166 65,220	584 8,226 37,537 0 13,137 59,484
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities Total intermediate farm liabs	400 6,821 39,833 0 18,166 65,220	584 8,226 37,537 0 13,137 59,484 184,447 168,156
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities Total intermediate farm liabs Total long term farm liabilities	400 6,821 39,833 0 18,166 65,220 198,079 183,812	584 8,226 37,537 0 13,137 59,484 184,447 168,156
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities Total intermediate farm liabs Total long term farm liabilities	400 6,821 39,833 0 18,166 65,220 198,079 183,812	584 8,226 37,537 0 13,137 59,484 184,447 168,156
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities Total intermediate farm liabs Total long term farm liabilities Total farm liabilities	400 6,821 39,833 0 18,166 65,220 198,079 183,812 447,111	584 8,226 37,537 0 13,137 59,484 184,447 168,156 412,087
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities Total intermediate farm liabs Total long term farm liabilities Total farm liabilities Total nonfarm liabilities Total nonfarm liabilities Total liabs excluding deferreds	400 6,821 39,833 0 18,166 65,220 198,079 183,812 447,111	584 8,226 37,537 0 13,137 59,484 184,447 168,156 412,087
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities Total intermediate farm liabs Total long term farm liabilities Total farm liabilities Total nonfarm liabilities	400 6,821 39,833 0 18,166 65,220 198,079 183,812 447,111 0 447,111 1,480	584 8,226 37,537 0 13,137 59,484 184,447 168,156 412,087 0 412,087
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities Total intermediate farm liabs Total long term farm liabilities Total nonfarm liabilities Total nonfarm liabilities Total deferred liabilities	400 6,821 39,833 0 18,166 65,220 198,079 183,812 447,111	584 8,226 37,537 0 13,137 59,484 184,447 168,156 412,087
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities  Total intermediate farm liabs Total long term farm liabilities Total farm liabilities  Total nonfarm liabilities Total liabs excluding deferreds Total deferred liabilities Total liabilities	400 6,821 39,833 0 18,166 65,220 198,079 183,812 447,111 0 447,111 1,480	584 8,226 37,537 0 13,137 59,484 184,447 168,156 412,087 0 412,087 1,329 413,416
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities  Total intermediate farm liabs Total long term farm liabilities Total farm liabilities  Total nonfarm liabilities Total liabs excluding deferreds Total deferred liabilities Total liabilities  Total deferred liabilities Total liabilities	400 6,821 39,833 0 18,166 65,220 198,079 183,812 447,111 0 447,111 1,480 448,591 362,451	584 8,226 37,537 0 13,137 59,484 184,447 168,156 412,087 0 412,087 1,329 413,416
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities  Total intermediate farm liabs Total long term farm liabilities  Total farm liabilities  Total nonfarm liabilities  Total liabs excluding deferreds Total deferred liabilities Total liabilities  Retained earnings Market valuation equity	400 6,821 39,833 0 18,166 65,220 198,079 183,812 447,111 1,480 448,591 362,451 1,178,466	584 8,226 37,537 0 13,137 59,484 184,447 168,156 412,087 0 412,087 1,329 413,416 405,240 1,215,277
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities  Total intermediate farm liabs Total long term farm liabilities  Total farm liabilities  Total nonfarm liabilities  Total niabs excluding deferreds Total liabs excluding deferreds Total liabilities  Total liabilities  Retained earnings Market valuation equity Net worth (farm and nonfarm)	400 6,821 39,833 0 18,166 65,220 198,079 183,812 447,111 0 447,111 1,480 448,591 362,451 1,178,466 1,540,917	584 8,226 37,537 0 13,137 59,484 184,447 168,156 412,087 0,329 413,416 405,240 1,215,277 1,620,517
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities  Total intermediate farm liabs Total long term farm liabilities Total farm liabilities  Total nonfarm liabilities Total liabs excluding deferreds Total liabilities  Total liabilities  Retained earnings Market valuation equity Net worth (farm and nonfarm) Net worth excluding deferreds	400 6,821 39,833 0 18,166 65,220 198,079 183,812 447,111 0 447,111 1,480 448,591 362,451 1,178,466 1,540,917	584 8,226 37,537 0 13,137 59,484 184,447 168,156 412,087 0 412,087 1,329 413,416 405,240 1,215,277 1,620,517 1,621,846
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities  Total intermediate farm liabs Total long term farm liabilities  Total farm liabilities  Total nonfarm liabilities  Total niabs excluding deferreds Total liabs excluding deferreds Total liabilities  Total liabilities  Retained earnings Market valuation equity Net worth (farm and nonfarm)	400 6,821 39,833 0 18,166 65,220 198,079 183,812 447,111 0 447,111 1,480 448,591 362,451 1,178,466 1,540,917	584 8,226 37,537 0 13,137 59,484 184,447 168,156 412,087 0,329 413,416 405,240 1,215,277 1,620,517
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities  Total intermediate farm liabs Total long term farm liabilities  Total farm liabilities  Total nonfarm liabilities  Total liabs excluding deferreds Total deferred liabilities  Total liabilities  Retained earnings Market valuation equity Net worth (farm and nonfarm) Net worth change	400 6,821 39,833 0 18,166 65,220 198,079 183,812 447,111 0 447,111 1,480 448,591 362,451 1,178,466 1,540,917	584 8,226 37,537 0 13,137 59,484 184,447 168,156 412,087 0 412,087 1,329 413,416 405,240 1,215,277 1,620,517 1,621,846
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities  Total intermediate farm liabs Total long term farm liabilities Total farm liabilities  Total nonfarm liabilities  Total niabilities  Total liabs excluding deferreds Total deferred liabilities Total liabilities  Retained earnings Market valuation equity Net worth (farm and nonfarm) Net worth excluding deferreds Net worth change	400 6,821 39,833 0 18,166 65,220 198,079 183,812 447,111 1,480 448,591 362,451 1,178,466 1,540,917 1,542,397	584 8,226 37,537 0 13,137 59,484 184,447 168,156 412,087 0 412,087 1,329 413,416 405,240 1,215,277 1,620,517 1,621,846 79,600
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities  Total intermediate farm liabs Total long term farm liabilities Total farm liabilities  Total nonfarm liabilities  Total nonfarm liabilities  Total liabs excluding deferreds Total deferred liabilities  Total liabilities  Retained earnings Market valuation equity Net worth (farm and nonfarm) Net worth excluding deferreds Net worth change  Ratio Analysis Current farm liabilities / assets	400 6,821 39,833 0 18,166 65,220 198,079 183,812 447,111 1,480 448,591 362,451 1,178,466 1,540,917 1,542,397	584 8,226 37,537 0 13,137 59,484 184,447 168,156 412,087 0 412,087 1,329 413,416 405,240 1,215,277 1,620,517 1,621,846 79,600
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities  Total intermediate farm liabs Total long term farm liabilities Total farm liabilities  Total nonfarm liabilities  Total nonfarm liabilities  Total liabs excluding deferreds Total deferred liabilities  Retained earnings Market valuation equity Net worth (farm and nonfarm) Net worth excluding deferreds Net worth change  Ratio Analysis Current farm liabilities / assets Curr. & interm farm liab. / assets	400 6,821 39,833 0 18,166 65,220 198,079 183,812 447,111 1,480 448,591 362,451 1,178,466 1,540,917 1,542,397	584 8,226 37,537 0 13,137 59,484 184,447 168,156 412,087 0 412,087 1,329 413,416 405,240 1,215,277 1,620,517 1,621,846 79,600
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities  Total intermediate farm liabs Total long term farm liabilities  Total nonfarm liabilities  Total nonfarm liabilities  Total liabs excluding deferreds Total liabs excluding deferreds Total liabilities  Retained earnings Market valuation equity Net worth (farm and nonfarm) Net worth excluding deferreds Net worth change  Ratio Analysis Current farm liabilities / assets Curr. & interm farm liab. / assets Long term farm liab. / assets	400 6,821 39,833 0 18,166 65,220 198,079 183,812 447,111 1,480 448,591 362,451 1,178,466 1,540,917 1,542,397	584 8,226 37,537 0 13,137 59,484 184,447 168,156 412,087 0 412,087 1,329 413,416 405,240 1,215,277 1,620,517 1,621,846 79,600
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities  Total intermediate farm liabs Total long term farm liabilities Total farm liabilities  Total nonfarm liabilities  Total nonfarm liabilities  Total liabs excluding deferreds Total deferred liabilities  Retained earnings Market valuation equity Net worth (farm and nonfarm) Net worth excluding deferreds Net worth change  Ratio Analysis Current farm liabilities / assets Curr. & interm farm liab. / assets	400 6,821 39,833 0 18,166 65,220 198,079 183,812 447,111 1,480 448,591 362,451 1,178,466 1,540,917 1,542,397	584 8,226 37,537 0 13,137 59,484 184,447 168,156 412,087 0 412,087 1,329 413,416 405,240 1,215,277 1,620,517 1,621,846 79,600

### Statement Of Cash Flows Michigan Feeder Steers, 2005

	Avg. Of All Farms
Number of farms	5
Beginning cash (farm & nonfarm)	6,511
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	625,544 26,176 -493,224 -64,213 -2,276 92,006
Cash From Investing Activities Sale of breeding livestock Sale of machinery & equipment Sale of titled vehicles 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 titled vehicles Purchase of farm land Purchase of farm buildings Purchase of other farm assets Purchase of nonfarm assets Cash from investing activities	-2,400 
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	41,752 2,274 -78,366 - - -34,340 3,567
Ending cash (farm & nonfarm)	10,077

## Table 13 Financial Standards Measures Michigan Feeder Steers, 2005 (Farms Sorted By Rate of Return on Assets - Mkt)

	Avg. Of All Farms
Number of farms	5
Liquidity Current ratio Working capital	7.30 374,907
Solvency (market) Farm debt to asset ratio Farm equity to asset ratio Farm debt to equity ratio	21 % 79 % 27 %
Profitability (cost) Rate of return on farm assets Rate of return on farm equity Operating profit margin Net farm income	7.4 % 11.9 % 16.7 % 87,242
Repayment Capacity Term debt coverage ratio Capital replacement margin	274 % 98,136
Efficiency Asset turnover rate (cost) Operating expense ratio Depreciation expense ratio Interest expense ratio Net farm income ratio	44.3 % 72.7 % 11.0 % 2.4 % 13.9 %

## Table 14 Operator and Labor Information Michigan Feeder Steers, 2005 (Farms Sorted By Rate of Return on Assets - Mkt)

	Avg. Of All Farms
Number of farms	5
Operator Information Average number of operators Average age of operators Average number of years farming	1.2 56.4 31.0
Results Per Operator Working capital Total assets (market) Total liabilities Net worth (market) Net worth excl deferred liabs	312,422 1,694,944 344,513 1,350,431 1,351,539
Gross farm income Total farm expense Net farm income	523,415 450,713 72,702
Net nonfarm income Family living & tax withdrawals	21,813 55,408
Total acres owned Total crop acres Crop acres owned Crop acres cash rented Crop acres share rented Total pasture acres	298.8 666.9 283.2 383.7 - 4.7
Labor Analysis Number of farms Total unpaid labor hours Total hired labor hours Total labor hours Total labor hours per farm Unpaid hours per operator Value of farm production / hour Net farm income / unpaid hour Average hourly hired labor wage	5 4,159 1,669 5,828 3,466 61.07 20.98 12.71

### Financial Summary Michigan Feeder Steers, 2005 (Farms Sorted By Rate of Return on Assets - Mkt) Table 15

	Avg. Of All Farms
Number of farms	5
Income Statement Gross cash farm income Total cash farm expense Net cash farm income Inventory change Depreciation and capital adjust Net farm income	625,544 493,224 132,320 24,295 -69,373 87,242
Profitability (cost) Labor and management earnings Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate	64,309 7.4 % 11.9 % 16.7 % 44.3 %
Profitability (market) Labor and management earnings Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate	-10,253 2.7 % 2.5 % 14.7 % 18.4 %
Liquidity Ending current ratio Ending working capital End working capital to gross inc Term debt coverage ratio Expense as a percent of income Interest as a percent of income	7.30 374,907 59.9 % 273.6 % 75.1 % 2.4 %
Solvency (cost) Number of farms Ending farm assets Ending farm liabilities Ending total assets Ending total liabilities Ending net worth Net worth change Ending farm debt to asset ratio Beg total debt to asset ratio End total debt to asset ratio	5 809,061 412,087 817,327 412,087 405,240 42,789 51 % 55 % 50 %
Solvency (market) Number of farms Ending farm assets Ending farm liabilities Ending total assets Ending total liabilities Ending net worth Net worth change Ending farm debt to asset ratio Beg total debt to asset ratio End total debt to asset ratio Nonfarm Information Net nonfarm income	5 1,941,118 413,416 2,033,933 413,416 1,620,517 79,600 21 % 23 % 20 %
Crop Acres Total acres owned Total crop acres Total crop acres owned Total crop acres cash rented Total crop acres share rented	359 800 340 460