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SOUTHWESTERN MINNESOTA FARM BUSINESS MANAGEMENT ASSOCIATION

2014 ANNUAL REPORT

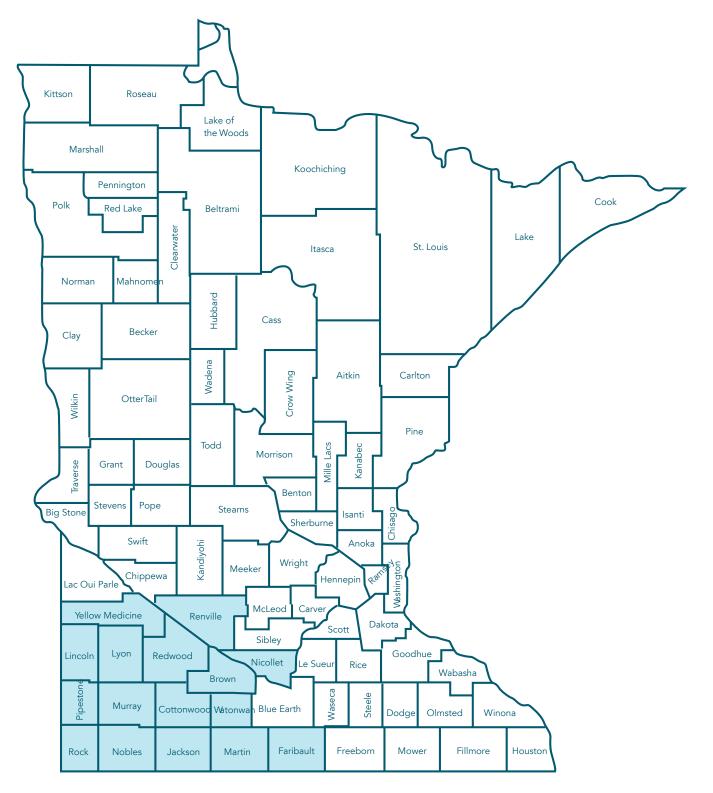


Staff Paper P15-3 Department of Applied Economics University of Minnesota Saint Paul, MN 55108 March 2015

In Cooperation with:

Center for Farm Financial Management · Department of Applied Economics · University of Minnesota Extension College of Food, Agricultural and Natural Resource Sciences · University of Minnesota

SOUTHWEST MINNESOTA FARM BUSINESS MANAGEMENT ASSOCIATION

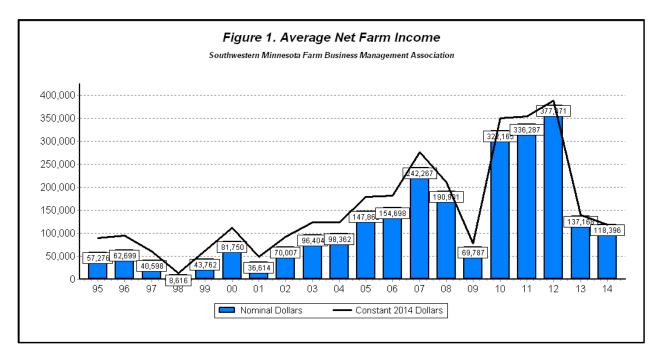


Executive Summary

2014 Annual Report of the Southwestern Minnesota Farm Business Management Association

by Dale W. Nordquist, Donald L. Nitchie, Garen J. Paulson, James N. Kurtz, Tonya L. Knorr, Janet M. Froslan and John L. Woodford

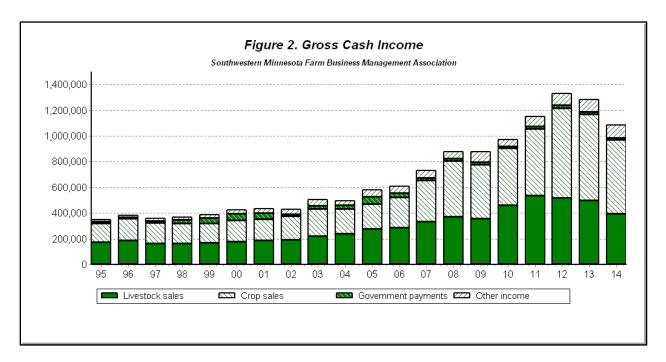
Average net farm income was \$118,396 for the 109 farms included in this 2014 annual report of the Southwestern Minnesota Farm Business Management Association, the lowest earnings for associations members since 2009. Inflation adjusted profits were down 15% from earnings reported in 2013. The decline in profits was driven primarily by decreasing crop prices and somewhat below average crop yields, particularly for corn production. Cropping losses were tempered by high returns for most livestock producers who benefited from lower feed costs and high prices for beef, pork and milk.



Highlights of association financial results for 2014:

- Median net farm income, or the income earned by the middle farm, was \$83,335, somewhat lower than the average. This indicates that the average is skewed by high profits of the most profitable farms. Much like in 2013, however, this difference was not as large as it has been in recent years. As in 2013, several large farms fell into the "Low Profit" group in 2014. This is probably related to enterprise more than farm size, with large livestock farms falling into the "High Profit" group and large crop farms landing in the "Low Profit" group of farms.
- As is the case every year, incomes varied widely across the entire group. The average net farm income for the most profitable 20% of the farms was \$504,054 while the least profitable 20% experienced a loss of (\$146,665).

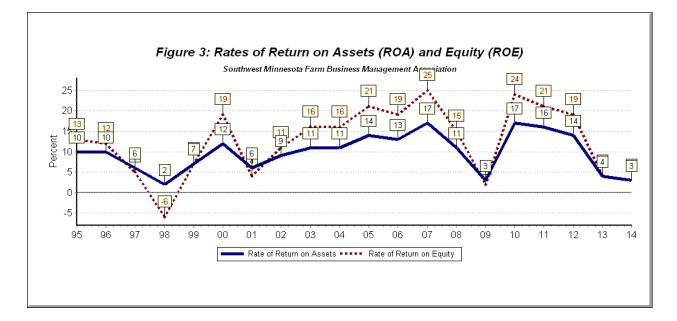
Entire report is available at: http://www.cffm.umn.edu/Publications/Pubs/FBMA/SW_MN_FBMA_2014.pdf

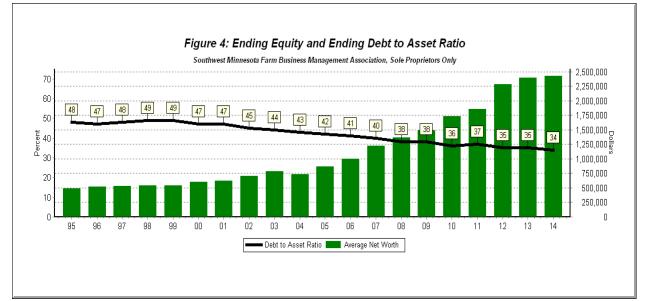


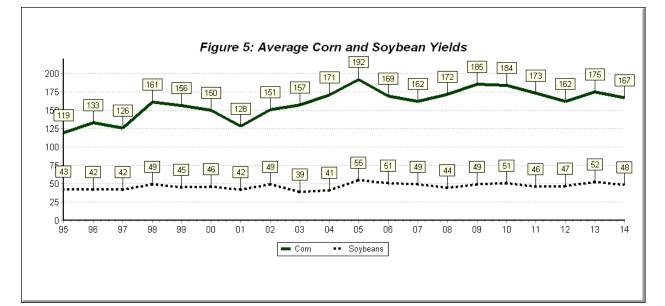
- Average gross cash income was down 16% from 2013 while cash expenses decreased 17%. Much of the decrease in net farm income resulted from the decreased value of crop inventories held at the end of the year. The value of crop inventories decreased 16% in 2014 after dropping by 15% in 2013.
- Crop sales accounted for 53% of gross income while livestock sales were 36% (Figure 2). Government payments accounted for 1% of gross cash income and 10% of net farm income. There were very limited government program payments in 2014 given the phase-out of direct crop payments. The amount of government payments for the 2014 crop year under the new farm bill will not be known until late in 2015. Crop insurance payments accounted for 4% of gross cash income.
- Rates of return were down again. After three consecutive years of returns on equity of 19% or greater from 2010 2012, the average rate of return on equity (ROE) fell to 4% in 2013 and again to 3% in 2014 with assets valued at adjusted cost or book value (Figure 3).
- The average farm reported net worth growth of \$139,199. However, only slightly more than one-third of reported net worth change resulted from earnings. The remaining two-thirds resulted from increases in the estimated market value of capital assets.
- The debt-to-asset ratio of the average sole proprietor farm improved slightly, down from 35% to 34% (Figure 4).

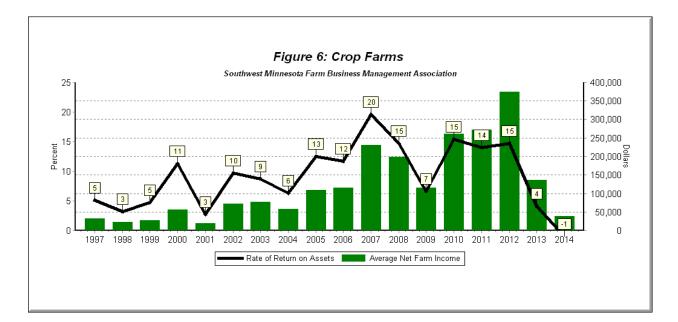
Crops

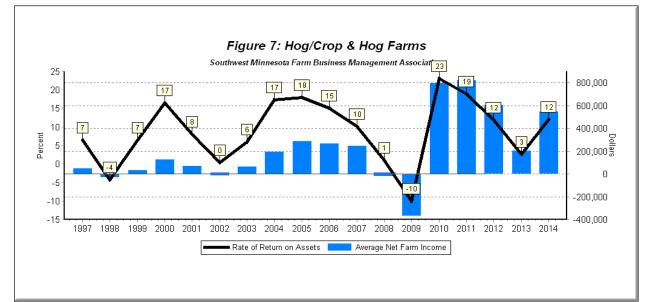
• Corn yields averaged 167 bushels per acre, down from 175 in 2013 and eight bushels under the 10 year average for association members. Corn production got off to a slow start with very cold and wet conditions in May and June and never totally recovered. Soybean yields averaged 48 bushels per acre compared to 52 in 2013.

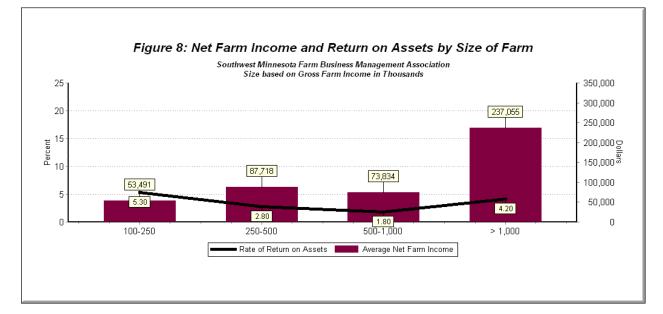












- Corn prices dropped sharply from record highs in 2013. The average price received for corn was \$4.35 per bushel compared to \$6.48 in 2013. Soybeans prices held up much better, averaging \$12.73 per bushel, down from \$13.97. However, these higher soybean prices had a negligible impact on farm earnings. Most sales at these prices were for the 2013 crop, and that income was already recognized in the previous year. By the end of the year, soybean prices had dropped to \$10.00 per bushel.
- The cost to raise an acre of corn and soybeans (with land rent) decreased by 1% to 2%. Cash rental rates decreased by 2% on corn and soybean acres.
- The cost to produce a bushel of corn decreased from \$4.31 in 2013 to \$4.25. Soybean costs per bushel increased from \$11.06 in 2013 to \$11.49 due to the lower yield per acre. These costs include a charge for unpaid labor and management, but do not include a charge for equity capital.

Type of Farm

- Crop farm profits plummeted for the second consecutive year following three years of very strong profitability. The average crop farm earned \$38,493 compared to \$136,634 in 2013. The average crop farm earned a -1% rate of return on assets (Figure 6). The average producer lost (\$54) per acre on cash rented corn production and broke even on rented soybean land.
- Strong pork prices and lower feed costs resulted in a turnaround year for pork producers. Specialized hog farms and hog/crop farms (those farms with over 70% of gross income from sale of hogs or a combination of hogs and crops) earned an average net farm income of \$546,714, up from \$205,222 in 2013. While these profits are much higher than the returns for the average farm, it should be recognized that these farms have a much larger capital investment than other farm types. The average pork producer earned a 12% rate of return on assets (Figure 7).
- There were not enough specialized beef or dairy farms to summarize these farms by type.

Size of Farm

- As is usually the case, net incomes generally increased with farm size when measured based on gross farm income (Figure 8).
- Rates of return on assets, however, did not follow the same pattern. In fact, mid-sized farms generally had the lowest returns. It is likely that enterprise, rather than farm size, had a lot to do with these results. Large livestock operations likely increased the profitability of the large farm group. In fact, when only crop farms are included, both net farm income and ROA decreased with farm size.

Debt Level

- Thirty-nine of the 109 farms had debt-to-asset ratios above 40% of 16 of those farms had debt-to-assets of greater than 60%.
- The average farm with debt greater than 60% of assets lost over \$31,000 and earned negative returns on assets (ROA).

Operator Age

- There were 7 farms whose principle operator was 30 years of age or under among the 109 farms included in the report. These farms were the lowest earning age group.
- The highest earning age group was those farms between 51 and 60 years of age.

Projected Profitability

Page 21 of the report displays actual results for association members in 2014 along with projected financial results for 2015. Projected results are based on the author's assumptions on changes in revenue, operating expenses, interest rates, and asset values. Assumptions are displayed at the bottom of the page.

- **2014** All Farms Actual this is the average financial results for all farms in 2014. Balance sheet measures reflect the average position of association farms at the end of the year.
- **2014 Improved Margin Management** This column is included to show the potential impacts of small changes in farm performance. If association farms had, on average, improved sales by 5% and cut costs by 5%, the Net Farm Income of the average farm would have almost doubled.
- **2014 SW Association Crop Farms Actual** the average financial results for the 67 crop farms in the association for 2014.
- 2015 SW Association Crop Farms Projected -- Based on the assumptions of the authors, crop farms are projected to be somewhat less profitable in 2015. This is based on continued expected decreases in crop prices, especially for soybeans and somewhat moderating input prices for fuel, fertilizer, and cash rents. Given these assumptions, it is projected that the average crop farm will not generate enough income to cover scheduled debt payments and again will have to consume working capital to meet financial obligations.
- **2014 Statewide Livestock Farms Actual** the average financial results for the 486 farmers in the statewide database who received the predominant portion of their income from livestock and milk sales for 2014. This includes farms enrolled in MnSCU Farm Business Management programs.
- **2015 Statewide Livestock Farms Projected** -- Based on the assumptions of the authors, livestock farms profits are projected to decline sharply in 2015. This is heavily weighted by expected losses for dairy and hog farms. Beef farms are expected to remain profitable for at least another year.

The assumptions used to project these results are somewhat subjective and will likely be proven wrong by changing events as the year progresses. We offer these projections as a most likely scenario to help members consider management decisions in a period of tightening margins.

Full Report

The complete report provides additional information on whole farm financial performance as well as detailed information on crop and livestock enterprise profitability. The report also includes whole-farm financial condition and performance by business size, type of farm, debt-to-asset ratio, and age of operator.

2014 Annual Report of the Southwestern Minnesota¹ Farm Business Management Association

by

by Dale W. Nordquist, Donald L. Nitchie, Garen J. Paulson, James N. Kurtz, Tonya L. Knorr, Janet M. Froslan and John L. Woodford²

This report summarizes the individual farm records of the members of the Southwestern Minnesota Farm Business Management Association for 2014.

Whole-farm information and enterprise costs and returns are reported. The year-end analysis of the individual farms was performed by the Association fieldstaff using the FINPACK software from the Center for Farm Financial Management. The individual analyses were summarized at the Department of Applied Economics using RankEm Central. In addition to the average of all farms, the averages for the high and low income groups are also presented. The tables are divided into four major groups: whole-farm information, crop enterprises, livestock enterprises, and summary information. The summary information includes whole farm historical trends and information by farm size, type of farm, debt to asset ratio, and operator age.

Of the 122 farms in the Southwestern Association, the data for 109 farms are included in this report. The rest were omitted because the records were incomplete at the time that this report was prepared. In addition to this report, members receive an annual farm business analysis; on-farm instructional visits; end-of-year income tax planning and preparation; periodic meetings, tours, and seminars; a monthly newsletter; and other managerial and educational assistance. Each farmer pays an annual fee which covers the majority of the cost, with the balance defrayed by University of Minnesota Extension and research programs of the University of Minnesota.

This year, for the first time, the livestock enterprise summaries include data from both Southwest Minnesota Farm Management Association farms and Minnesota State Colleges and Universities Farm Business Management program farms. This was done to provide a greater numbers for each enterprise with the goal of providing more accurate benchmark information. MnSCU FBM programs are distributed across the state and include over 2,000 participating farms. We thank the MnSCU FBM program and participating producers for making this data available to be included in this report.

¹This report was partially funded by a Farm Business Management and Benchmarking Grant from the USDA National Institute of Food and Agriculture.

²Nordquist is Extension Economist–Center for Farm Financial Management (CFFM), University of Minnesota, Twin Cities; Nitchie is Regional Extension Educator--Farm Management and Fieldmen for the Association; Paulson, Kurtz, Knorr, Froslan and Woodford are financial analysts for the Association. Special thanks to Rann Loppnow, Software Development, CFFM; Eliza Herman, Program Associate, CFFM; and Gretchen Thillen, Southwest Research and Outreach Center.

	Number of	Number of	
	Farm	Records	
County	Units	Submitted	
	10	10	
Cottonwood	13	10	
Faribault	2	2	
Jackson	16	15	
Lyon	3	1	
Martin	3	2	
Murray	19	19	
Nobles	21	17	
Pipestone	11	12	
Redwood	10	9	
Rock	5	5	
Wabasha	2	3	
Watonwan	9	6	
Others ²	8	_8	
TOTAL	122	109	

Southwestern Minnesota Farm Business Management Association

Distribution of Membership -- 2014

Officers and Directors

Mike Metz, President Brent Pohlman, Vice President Kerry Tutt, Secretary-Treasurer

The directors of the Southwestern Minnesota Farm Business Management Association for 2014/2015 are: Mark Christensen, Ian Sandager, Bob Hartman, Wesley Beck, Brian Ling, Ben Fast, and Matt Wolle.

²Records were also submitted from members in Lac Qui Parle, McLeod, and Yellow Medicine counties.

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Whole-Farm Reports

The whole-farm reports summarize the financial performance of member farms in 2014. Each table (except for the balance sheets) includes the average of the 109 farms included in the report and the average 20 percent of the farms with the lowest and highest profits (base on Net Farm Income). In a change from previous years, the balance sheet reports include all farms, including partnerships and corporations. Appendix I provides detail on how the whole-farm measures are calculated. Below is a short summary of the whole farm reports.

Financial Summary

The Financial Summary report provides a summary of the key financial measures and ratios included on the other detailed whole farm reports.

Financial Standards Measures

The Farm Financial Standards Council recommends that farms use these sixteen measures as standard measures of farm financial performance. They are sometimes called the *Sweet 16*. Many are repeated from the Profitability, Liquidity, and Balance Sheet tables. For a complete description, see the Financial Guidelines for Agricultural Producers at http://www.ffsc.org/guidelines.htm.

Farm Income Statement

The Income Statement calculates the accrual Net Farm Income generated by the average farm for year 2014. Net Farm Income represents the return to the operator's and family's unpaid labor, management, and equity capital (net worth). It is the amount the farm contributed to owner family living, income taxes, and net worth growth. However, it does not include any asset appreciation, debt forgiveness or asset repossessions.

Profitability Measures

The profitability measures are calculated based on both the cost value of assets and the market value. When calculated based on the market value of assets, the profitability measures can be compared to interest rates and returns available on alternative investments. When based on cost values, the returns more closely estimate the actual returns from the actual investment. (Cost values do not reflect the tax basis of farm assets. Instead, a method of calculating depreciation is used that estimates economic depreciation over the useful life of the assets.)

The *Rate of Return on Assets* (ROA) can be thought of as the interest rate earned by all investment in farm assets. *Rate of Return on Equity* (ROE) is the rate earned on the operator's equity or net worth in the farm business. If ROE is higher than ROA, borrowed funds more than paid for their cost in interest expense. *Operating Profit Margin* measures efficiency in farm operations. The higher the margin, the more of the farm income remained in pockets of the farm operator. *Asset Turnover Rate* measures efficiency in use of capital. Again, the higher the better. Farms with high investment in fixed assets will generally have a lower turnover rate than those who lease a major share of their capital.

Liquidity and Repayment Capacity Measures

Liquidity reflects the ability of the farm to meet its financial obligations on time. *Current Ratio* is current farm assets divided by current farm liabilities. *Working Capital* is current farm assets minus current farm liabilities. Businesses with more working capital are generally in a better position to overcome short-term financial downturns or production problems. *Working Capital to Gross Income* measures liquidity relative to business size.

Repayment capacity measures the ability of the business to meet debt payments and replace capital assets. *Term Debt Coverage Ratio* measures the ability of the business to meet its scheduled debt payments. A term debt coverage ratio greater than 1.0 indicates that the business produced more than enough earnings to meet its scheduled debt payments. *Replacement Coverage Ratio* adds the need for capital replacement. A replacement coverage ratio greater than 1.0 indicates that the business produced more than enough earnings to meet its payments and replace its depreciable assets.

Balance Sheets

Balance sheet reports are included for both the cost and market value of assets. Current assets are identical in both tables, with crop and livestock inventories generally valued at market value. This conforms to the methodology recommended by the Farm Financial Standards Council. Intermediate and long term assets are shown at depreciated value using estimated economic depreciation, not tax, on the cost-based table. On the market table, they are valued at estimated market value.

Liabilities are the same on the cost and market tables except for the inclusion of *Deferred Liabilities* on the market statements. Deferred liabilities are the estimated taxes that would be paid if assets were liquidated at their market values.

Net Worth Change on the cost value table is the amount of earned net worth growth or loss for the year. Net worth change on the market value table includes both earned growth and changes in the market valuation of capital assets.

Statement of Cash Flows

The Statement of Cash Flows displays the sources and uses of cash for the year. *Cash From Operating Activities* includes sources and uses of cash related to normal farm operations. *Cash From Investing Activities* reflect cash used to buy and sell capital assets. *Cash From Financing Activities* includes sources and uses of borrowed funds as well as cash from nonfarm activities.

Crop Production and Marketing

This table reports farm size in acres farmed, average crop yields for major commodities, and average crop sales prices for the calendar year. Yields and prices are reported for the average of all farms for more commodities than those included in the High and Low columns because a minimum of five farms are required to report the yield or price for any group.

Household and Personal Expenses

This table reports family living and other non-farm expenditures. Only sole proprietors who keep detailed family living records are included.

Operator and Labor Information

All previous tables report results per farm, regardless of the number of families or operators involved in the operation. This report repeats several measures from previous tables on a *Per Operator* basis. It also summarizes estimated labor hours used and labor performance.

Nonfarm Summary

This table summarizes nonfarm earnings for the average farm and details nonfarm assets and liabilities.

Financial Summary Southwest Minnesota Farm Business Management Association (Farms Sorted By Net Farm Income)

	Avg. Of		
	All Farms	Low 20%	<u>High 20%</u>
Number of farms	109	21	22
Income Statement			
Gross cash farm income	1,086,085	1,111,824	2,407,839
Total cash farm expense	856,705	920,358	1,971,065
Net cash farm income	229,380	191,466	436,774
Inventory change	-49,479	-261,550	136,426
Depreciation	-70,801	-77,457	-112,918
Net farm income from operations	109,099	-147,540	460,282
Gain or loss on capital sales	9,296	875	43,773
Average net farm income	118,396	-146,665	504,054
Median net farm income	83,335	-42,218	246,639
Profitability (cost)			
Rate of return on assets	3.3 %	-7.4 %	10.5 %
Rate of return on equity	3.0 %	-12.7 %	13.4 %
Operating profit margin	9.6 %	-21.1 %	27.3 %
Asset turnover rate	34.0 %	34.9 %	38.4 %
Liquidity & Repayment (end of year)			
Current assets	910,597	1,113,899	1,601,845
Current liabilities	348,450	484,273	596,109
Current ratio	2.61	2.30	2.69
Working capital	562,147	629,626	1,005,736
Working capital to gross inc	54.3 %	70.0 %	40.4 %
Term debt coverage ratio	1.40	-1.29	3.37
Replacement coverage ratio	0.97	-0.82	2.41
Term debt to EBITDA	1.99	-13.56	1.07
Solvency (end of year at market)			
Number of farms	109	21	22
Total assets	3,896,029	4,392,627	6,201,655
Total liabilities	1,357,656	1,680,945	2,096,521
Net worth	2,538,374	2,711,682	4,105,134
Total net worth change	139,199	85,176	406,439
Farm debt to asset ratio	37 % 35 %	40 %	35 % 34 %
Total debt to asset ratio Change in total net worth %	35 % 6 %	38 % 3 %	11 %
	0 70	5 70	11 /0
Nonfarm Information			
Net nonfarm income	42,073	63,100	27,812
Farms reporting living expenses	41	7	7
Total family living expense	73,073	78,970	66,058 65,250
Total living, invest, cap. purch	140,853	190,555	65,259
Crop Acres			
Total crop acres	902	1,400	1,198
Total crop acres owned	208	220	302
Total crop acres cash rented	626	1,139	796
Total crop acres share rented Machinery value per crop acre	67 528	41 395	100 571
machinery value per crop dore	520	290	571

Financial Standards Measures Southwest Minnesota Farm Business Management Association (Farms Sorted By Net Farm Income)

	Avg. Of <u>All Farms</u>	Low 20%	High 20%
Number of farms	109	21	22
Liquidity			
Current ratio	2.61	2.30	2.69
Working capital	562,147	629,626	1,005,736
Working capital to gross inc	54.3 %	70.0 %	40.4 %
Solvency (market)			
Farm debt to asset ratio	37 %	40 %	35 %
Farm equity to asset ratio	63 %	60 %	65 %
Farm debt to equity ratio	0.58	0.66	0.54
Profitability (cost)			
Rate of return on farm assets	3.3 %	-7.4 %	10.5 %
Rate of return on farm equity	3.0 %	-12.7 %	13.4 %
Operating profit margin	9.6 %	-21.1 %	27.3 %
Net farm income	118,396	-146,665	504,054
EBITDA	207,104	-36,418	622,458
Repayment Capacity			
Capital debt repayment capacity	113,521	-103,182	439,568
Capital debt repayment margin	32,472	-182,965	309,163
Replacement margin	-3,008	-229,782	257,151
Term debt coverage ratio	1.40	-1.29	3.37
Replacement coverage ratio	0.97	-0.82	2.41
Efficiency			
Asset turnover rate (cost)	34.0 %	34.9 %	38.4 %
Operating expense ratio	80.0 %	104.0 %	75.0 %
Depreciation expense ratio	6.8 %	8.6 %	4.5 %
Interest expense ratio	2.6 %	3.7 %	2.0 %
Net farm income ratio	11.4 %	-16.3 %	20.2 %

Farm Income Statement Southwest Minnesota Farm Business Management Association (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	High 20%
Number of farms	109	21	22
Cash Farm Income			
Barley	172	-	-
Corn	289,790	569,960	294,029
Corn Silage	2,749	-	2,894
Hay, Alfalfa	54,074	721	301
Hay, Mixed	393	54	-
Oats	303	-	310
Peas, Processing	461	-	1,876
Soybeans	236,626	423,904	269,650
Soybeans Seed	856	-	4,239
Sugar Beets	986	-	-
Sweet Corn, Processing	786	-	-
Wheat, Spring	510	-	1,313
Wheat, Winter	420	-	-
Miscellaneous crop income	1,418	2	2,493
Beef Cow-Calf, Beef Calves	2,570	572	5,679
Beef Backgrounding	697	3,616	-
Beef Finishing	28,274	21,141	82,594
Dairy, Milk	90,063	_ ,,	430,324
Dairy, Dairy Calves	1,166	-	5,777
Dairy Heifers (for sale)	3,256	-	-
Dairy Finishing	10,513	-	39,416
Hogs, Farrow To Finish, Raised Hog	32,517	_	89,923
Hogs, Finish Feeder Pigs	3,615	_	-
Sheep, Market Lamb Prod, Mkt Lambs	2,229	_	6,744
Sheep, Market Lamb Prod, Wool	83	_	289
Hogs, Weaning to Finish	202,297	_	963,095
Dairy Backgrounding	213	_	-
Cull breeding livestock	3,217	505	9,421
Misc. livestock income	95	-	76
Crop government payments	4,660	4,950	12,928
CRP payments	967	1,992	802
Other government payments	6,531	3,739	19,151
Custom work income	25,827	16,344	34,833
Patronage dividends, cash	6,502	7,972	11,261
Crop insurance income	46,994	40,414	92,743
Property insurance income	599	218	2,394
Sale of resale items	760	-	2,004
Contract livestock income	10,114	-	5,097
Other farm income	12,785	15,720	18,184
Gross Cash Farm Income	1,086,085	1,111,824	2,407,839

Farm Income Statement (continued) Southwest Minnesota Farm Business Management Association (Farms Sorted By Net Farm Income)

Seed Seed 123,112 115,546 Farilizer 68,554 90,521 115,546 Corp Internition 21,925 37,674 45,760 Drying expense 7,677 11,109 91,111 Storage 333 90 271 Irrigation energy 160 - - Corp miscellaneous 2,808 3,740 3,042 Consultants 7,632 3,144 31,766 Purchasel feed 169,222 5,560 630,946 Druchasel feed 169,222 5,560 630,946 Druchasel feed 169,222 5,560 60,71 Veterinary 7,335 269 3,2660 Supplies 8,507 113 35,586 Drik 3 - - 74,463 Contract production exp. 18,893 - - 74,463 Contract production exp. 19,860 92,947 - - Urevetock leasens 19,960 92,947 <th></th> <th>Avg. Of <u>All Farms</u></th> <th>Low 20%</th> <th><u> </u></th>		Avg. Of <u>All Farms</u>	Low 20%	<u> </u>
Seed 82,040 123,112 115,546 Pertilizer 68,554 90,523 105,550 Crop insurance 13,622 17,674 20,170 Dryng expense 7,267 30,171 45,761 Crop insurance 13,622 17,674 20,170 Orgo custom thre 30,688 3,740 3,042 Crop inscellaneous 2,808 2,788 2,660 Consultants 1,493 3,844 1,757 Feeder livestock purchase 7,502 1,114 318,766 Consultants 6,33 1 35,660 Contract production exp. 15,888 - 74,466 Livestock invarance 721 - 3,532 Livestock invarance 721 - 3,532 Livestock invarance 721 - 3,532 Livestock invarance 723 34,959 45,326 Cortract production exp. 15,888 - 74,466 Livestock invarace 719 - <	Number of farms	109	21	22
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Irrigation energy 160 - - - Crop custom hire 3.068 3.740 3.042 Crop nuiscellaneous 2.908 2.788 2.600 Consultatis 1.433 3.844 1.757 Feeder livestack purchase 75,902 1.114 318,786 Purchased feed 163,222 5.500 60,0347 Purchased feed 163,222 5.500 90,0347 Supplies 8.607 113 355,586 DHA 33 - 144 Livestock insurance 721 - 3.526 Contract production exp. 1633 - 8.188 Livestock leases 719 - 3.356 Edding 1.653 - 8.188 Interest 26,239 34,959 45.326 CCC buyback 19,960 32,947 - Treals oil 37,134 39,825 50,784 Realers 42,720 41,608 66,922			11,109	9,141
Irigation energy 160 - - - Crop pustor hire 3.068 3.740 3.042 Crop nuiscellaneous 2.808 2.788 2.600 Consultats 1.433 3.844 1.757 Feeder livestock purchase 75,902 1.114 318,786 Purchased lead 168,222 5.500 60,0347 Preding fees 1.735 269 32,660 Supplies 8.607 113 355,586 DHA 33 - 74,486 Livestock insurance 721 - 3,532 Livestock leases 719 - 3,532 CCD uyback 19,960 32,949 45,326 CCL uyback 19,960 32,949 45,236 Curestor 26,720 16,008 66,092	Storage	333	90	271
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DHÀ -33 - -164 Contract production exp. 18,898 - -74,486 Livestock insurance 721 - -3,552 Livestock insurance 721 - -3,556 Bedding 1,653 - 8,188 Interest 26,239 34,959 45,326 CCD buyback 19,960 92,947 - Fuel & oil 37,134 39,925 52,766 Repairs 42,719 41,666 69,424 Custom hire 8,720 526 23,652 Hired labor 26,720 16,008 66,092 Land rent 149,985 329,358 197,812 Machinery leases 8,052 18,876 16,448 Building leases 4,264 11,518 810 Real state taxes 7,309 6,598 12,852 Farm insurance 110,033 10,959 18,574 Utilities 9,714 7,031 18,226 Hauling and trucking 2,762 494 11,201 Marketing <t< td=""><td></td><td></td><td></td><td></td></t<>				
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Livestock insurance 721 - 3.532 Livestock lesses 719 - 3.366 Bedding 1.653 - 8.188 Interest 26.239 34.959 45.326 CCC buyback 19.960 92.947 - Fuel & old 37.134 39.925 52.7766 Repairs 42.719 41.666 69.424 Custom hire 8.720 56.6 23.652 Hired labor 26.720 16.008 66.092 Land rent 149.985 329.358 197.812 Machinery leases 2.052 18.706 16.448 Building leases 4.284 11.518 810 Real estate taxes 7.309 6.598 12.862 Farm insurance 11.033 10.959 18.574 Hauling and trucking 2.762 4944 11.201 Dues & professional fees 3.194 3.613 5.030 Otal cash expense 656.705 920.358 1.971.065 et cash farm income 229.380 191.466 436.774			-	
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Hauling and trucking 2,762 494 11,201 Marketing 3,356 7,172 6,790 Dues & professional fees 3,194 3,613 5,030 Purchase of resale items 676 - - Miscellaneous 6,064 8,774 8,350 otal cash expense 856,705 920,358 1,971,065 let cash farm income 229,380 191,466 436,774 ventory Changes - - - Prepaids and supplies 3,700 -37,216 61,394 Accounts receivable 31,046 6,905 80,961 Hedging accounts -11,753 -32,705 -27,625 Other current assets 457 - - Crops and feed -96,026 -179,710 -87,323 Marketlivestock 2,739 -349 19,550 Other current assets -1,938 5,803 -25,244 Accounts payable -2,153 -13,508 -4,265 Accounts payable -2,153 -3,503 -3,932 otal inventory change -4,9	Utilities	9,714	7,031	18,226
Marketing 3,356 7,172 6,790 Dues & professional fees 3,194 3,613 5,030 Purchase of resale items 6,76 - - Miscellaneous 6,064 8,774 8,350 Ite cash farm income 229,380 191,466 436,774 repaids and supplies 3,700 -37,216 61,394 Accounts receivable 31,046 6,905 80,961 Hedging accounts -11,753 -32,705 -27,625 Other current assets 457 - - Crops and feed -96,026 -179,710 -87,323 Marketivestock 2,739 -349 19,550 Other current assets -1,938 5,803 -25,244 Accounts payable -2,153 -13,508 -4,265 Account provements -964 1,293 -3,932 Otal inventory change -4,479 -261,550 136,426 let operating profit 179,901 -70,084 573,200 Pep	Hauling and trucking			
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Iet farm income from operations109,099-147,540460,282Gain or loss on capital sales9,29687543,773	otal depreciation	-70,801	-77,457	-112,918
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Gain or loss on capital sales 9,296 875 43,773	let farm income from operations	109.099	-147,540	460.282
let farm income 118 396 -146 665 504 054		0,200	0.0	
	let farm income	118,396	-146,665	504,054

Profitability Measures Southwest Minnesota Farm Business Management Association (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	High 20%
Number of farms	109	21	22
Profitability (assets valued at cost)			
Net farm income from operations	109,099	-147,540	460,282
Rate of return on assets	3.3 %	-7.4 %	10.5 %
Rate of return on equity	3.0 %	-12.7 %	13.4 %
Operating profit margin	9.6 %	-21.1 %	27.3 %
Asset turnover rate	34.0 %	34.9 %	38.4 %
Farm interest expense	27,203	33,666	49,258
Value of operator lbr and mgmt.	60,594	74,240	89,463
Return on farm assets	75,709	-188,114	420,077
Average farm assets	2,326,980	2,558,241	4,017,531
Return on farm equity	48,506	-221,780	370,819
Average farm equity	1,602,334	1,740,406	2,770,615
Value of farm production	790,270	893,031	1,541,326
	Avg. Of		
	AVY. UI		
	All Farms	Low 20%	High 20%
Number of farms		<u>Low 20%</u> 21	High 20%
	All Farms		
Profitability (assets valued at market)	<u>All Farms</u> 109	21	22
Profitability (assets valued at market) Net farm income from operations	<u>All Farms</u> 109 186,081	21 122,373	480,829
Profitability (assets valued at market) Net farm income from operations Rate of return on assets	<u>All Farms</u> 109 186,081 4.5 %	21 122,373 2.1 %	22 480,829 8.1 %
Profitability (assets valued at market) Net farm income from operations Rate of return on assets Rate of return on equity	<u>All Farms</u> 109 186,081 4.5 % 5.8 %	21 122,373 2.1 % 2.0 %	22 480,829 8.1 % 11.1 %
Profitability (assets valued at market) Net farm income from operations Rate of return on assets	<u>All Farms</u> 109 186,081 4.5 %	21 122,373 2.1 %	22 480,829 8.1 %
Profitability (assets valued at market) Net farm income from operations Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate	<u>All Farms</u> 109 186,081 4.5 % 5.8 % 19.3 %	21 122,373 2.1 % 2.0 % 9.2 %	22 480,829 8.1 % 11.1 % 28.6 %
Profitability (assets valued at market) Net farm income from operations Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate Farm interest expense	All Farms 109 186,081 4.5 % 5.8 % 19.3 % 23.3 %	21 122,373 2.1 % 2.0 % 9.2 % 23.1 %	22 480,829 8.1 % 11.1 % 28.6 % 28.2 %
Profitability (assets valued at market) Net farm income from operations Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate	All Farms 109 186,081 4.5 % 5.8 % 19.3 % 23.3 % 27,203	21 122,373 2.1 % 2.0 % 9.2 % 23.1 % 33,666	22 480,829 8.1 % 11.1 % 28.6 % 28.2 % 49,258
Profitability (assets valued at market) Net farm income from operations Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate Farm interest expense Value of operator lbr and mgmt.	All Farms 109 186,081 4.5 % 5.8 % 19.3 % 23.3 % 27,203 60,594	21 122,373 2.1 % 2.0 % 9.2 % 23.1 % 33,666 74,240	22 480,829 8.1 % 11.1 % 28.6 % 28.2 % 49,258 89,463
Profitability (assets valued at market) Net farm income from operations Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate Farm interest expense Value of operator lbr and mgmt. Return on farm assets	All Farms 109 186,081 4.5 % 5.8 % 19.3 % 23.3 % 27,203 60,594 152,690	21 122,373 2.1 % 2.0 % 9.2 % 23.1 % 33,666 74,240 81,800	22 480,829 8.1 % 11.1 % 28.6 % 28.2 % 49,258 89,463 440,624
Profitability (assets valued at market) Net farm income from operations Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate Farm interest expense Value of operator lbr and mgmt. Return on farm assets Average farm assets	All Farms 109 186,081 4.5 % 5.8 % 19.3 % 23.3 % 27,203 60,594 152,690 3,392,077	21 122,373 2.1 % 2.0 % 9.2 % 23.1 % 33,666 74,240 81,800 3,872,783	22 480,829 8.1 % 11.1 % 28.6 % 28.2 % 49,258 89,463 440,624 5,467,574

Liquidity & Repayment Capacity Measures Southwest Minnesota Farm Business Management Association (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	High 20%
Number of farms	109	21	22
l invitality			
Liquidity Current ratio	2.61	2.30	2.69
	562,147	629,626	1,005,736
Working capital	,	,	
Working capital to gross inc	54.3 %	70.0 %	40.4 %
Current assets	910,597	1,113,899	1,601,845
Current liabilities	348,450	484,273	596,109
Gross revenues (accrual)	1,036,070	899,705	2,491,067
Repayment capacity			
Net farm income from operations	109,099	-147,540	460,282
Depreciation	70,801	77,457	112,918
Personal income	42,073	63,100	27,812
Family living/owner withdrawals	-88,421	-84,671	-130,017
Cash discrepancy	103	357	308
Payments on personal debt	-2,303	-2,195	-1,418
Income taxes paid	-37,977	-34,824	-62,773
Interest on term debt	20,145	25,135	32,455
Capital debt repayment capacity	113,521	-103,182	439,568
Scheduled term debt payments	-81,049	-79,783	-130,405
Capital debt repayment margin	32,472	-182,965	309,163
capital dobt ropayment margin	02,712	102,000	000,100
Cash replacement allowance	-35,479	-46,817	-52,012
Replacement margin	-3,008	-229,782	257,151
Term debt coverage ratio	1.40	-1.29	3.37
Replacement coverage ratio	0.97	-0.82	2.41

Balance Sheet at Cost Values Southwest Minnesota Farm Business Management Association (Farms Sorted By Net Farm Income)

	Avg. All Fal		Low	20%	High	20%
Number of farms		109		21		22
	Beginning	Ending	Beginning	Ending	Beginning	Ending
Assets	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
Current Farm Assets						
Cash and checking balance	51,009	70,268	94,248	133,181	9,087	52,439
Prepaid expenses & supplies	126.238	129,939	162,928	125,712	167,402	228.796
Growing crops	48	0	02,020	0	0	0
	45,178	76,224	41.050	47,955	76,547	
Accounts receivable	,	,	,	,	,	157,508
Hedging accounts	9,013	6,007	13,929	9,156	18,995	12,857
Crops held for sale or feed	527,372	440,833	712,194	545,182	689,387	615,109
Crops under government loan	58,026	53,302	229,587	243,231	23,409	10,364
Market livestock held for sale	104,436	129,849	21,544	9,482	401,863	524,772
Other current assets	3,670	4,174	0	0	0	0
Total current farm assets	924,991	910,597	1,275,480	1,113,899	1,386,690	1,601,845
Intermediate Farm Assets						
Breeding livestock	29,789	30,880	4,045	4,669	122,865	129,003
Machinery and equipment	454,875	470,939	532,193	512,157	662,895	718,212
Titled vehicles	20,767	20,022	32,570	30,640	16,316	17,776
Other intermediate assets	69,930	65,682	22,225	23,152	241,714	220,110
Total intermediate farm assets	575,361	587,523	591,033	570,618	1,043,789	1,085,101
	575,501	507,525	551,055	570,010	1,043,703	1,000,101
Long Term Farm Assets	405 000	524.204	570.004	604 450	740 754	000 004
Farmland	485,286	524,394	576,864	604,150	740,754	838,321
Buildings and improvements	291,998	307,758	261,608	256,545	570,648	591,109
Other long-term assets	42,563	44,735	36,500	42,233	85,711	91,093
Total long-term farm assets	819,846	876,886	874,973	902,928	1,397,113	1,520,523
Total Farm Assets	2,320,198	2,375,005	2,741,485	2,587,445	3,827,592	4,207,469
Total Nonfarm Assets	303,597	325,668	239,434	256,456	339,528	390,712
Total Assets	2,623,795	2,700,673	2,980,919	2,843,901	4,167,120	4,598,180
Liabilities						
Current Farm Liabilities						
Accrued interest	6,734	7,701	9,163	7,888	9,020	12,953
Accounts payable	20,371	22,437	16,941	30,449	55,337	59,415
Current notes	208,099	225,902	218,752	261,974	398,240	413,236
Government crop loans	23,249	27,021	92,947	124,122	8,442	4,964
Principal due on term debt	60,904	65,389	54,648	59,840	97,950	105,541
Total current farm liabilities	319,358	348,450	392,452	484,273	568,990	596,109
Total intermediate farm liabs	110,600	97,740	133,769	117,862	135,382	120,820
Total long term farm liabilities	300,857	313,532	360,192	359,569	531,949	540,581
Total farm liabilities	730,814	759,722	886,414	961,704	1,236,320	1,257,510
Total nonfarm liabilities	71 207	67 696	62.065	50 070	46 412	77 216
Total liabilities	71,287 802,101	67,686 827,407	62,065 948,479	52,272 1,013,976	46,413 1,282,733	77,316 1,334,826
Network (from and free)	4 004 004					
Net worth (farm and nonfarm)	1,821,694	1,873,266	2,032,440	1,829,925	2,884,387	3,263,354
Net worth change Percent net worth change		51,571 3 %		-202,515 -10 %		378,968 13 %
Ū.		5 /0		10 /0		10 /0
Ratio Analysis Current farm liabilities / assets	35 %	38 %	31 %	43 %	41 %	37 %
Intermediate farm liab. / assets	19 %	17 %	23 %	21 %	13 %	11 %
Long term farm liab. / assets	37 %	36 %	41 %	40 %	38 %	36 %
Total debt to asset ratio	31 %	31 %	32 %	36 %	31 %	29 %

2014 Annual Report

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Balance Sheet at Market Values Southwest Minnesota Farm Business Management Association (Farms Sorted By Net Farm Income)

	Avg. All Fai		Low	20%	High	20%
Number of farms		109		21		22
Assets	Beginning	Ending	Beginning	Ending	Beginning	Ending
Current Farm Assets						
Cash and checking balance	51,009	70,268	94,248	133,181	9,087	52,439
Prepaid expenses & supplies	126,238	129,939	162,928	125,712	167,402	228,796
Growing crops	48	0	02,320	0	0	220,730
Accounts receivable	45,178	76,224	41,050	47,955	76,547	157,508
Hedging accounts	9,013	6,007	13,929	9,156	18,995	12,857
Crops held for sale or feed	527,372	440,833	712,194	545,182	689,387	615,109
Crops under government loan	58,026	53,302	229,587	243,231	23,409	10,364
Market livestock held for sale	104,436	129,849	21,544	9,482	401,863	524,772
Other current assets	3,670	4,174	21,344	0,402	0	0
Total current farm assets	924,991	910,597	1,275,480	1,113,899	1,386,690	1,601,845
	324,331	310,537	1,273,400	1,110,000	1,500,050	1,001,040
Intermediate Farm Assets						
Breeding livestock	41,955	42,761	4,531	8,405	173,988	167,072
Machinery and equipment	660,865	682,789	800,470	795,797	924,658	972,146
Titled vehicles	30,003	29,280	48,847	47,004	27,698	28,363
Other intermediate assets	73,449	73,259	33,967	49,183	243,737	223,179
Total intermediate farm assets	806,272	828,089	887,815	900,389	1,370,080	1,390,760
Long Term Farm Assets						
Farmland	1,168,790	1,278,726	1,423,340	1,674,623	1,586,346	1,774,658
Buildings and improvements	395,978	418,468	287,389	291,700	807,131	837,238
Other long-term assets	45,959	47,529	48,332	55,046	87,444	92,955
Total long-term farm assets	1,610,727	1,744,722	1,759,061	2,021,369	2,480,921	2,704,852
Total Farm Assets	3,341,990	3,483,408	3,922,356	4,035,657	5,237,691	5,697,457
Total Nonfarm Assets Total Assets	376,726 3,718,716	412,622 3,896,029	315,474 4,237,830	356,970 4,392,627	444,095 5,681,786	504,198 6,201,655
Liabilities						
Current Farm Liabilities						
Accrued interest	6,734	7,701	9,163	7,888	9,020	12,953
Accounts payable	20,371	22,437	16,941	30,449	55,337	59,415
Current notes	208,099	225,902	218,752	261,974	398,240	413,236
Government crop loans	23,249	27,021	92,947	124,122	8,442	4,964
Principal due on term debt	60,904	65,389	54,648	59,840	97,950	105,541
Total current farm liabilities	319,358	348,450	392,452	484,273	568,990	596,109
Total intermediate farm liabs	110,600	97,740	133,769	117,862	135,382	120,820
Total long term farm liabilities	300.857	313,532	360,192	359,569	531,949	540,581
Total farm liabilities	730,814	759,722	886,414	961,704	1,236,320	1,257,510
Total nonfarm liabilities	71,287	67,686	62,065	52,272	46,413	77,316
Total liabs excluding deferreds	802,101	827,407	948,479	1,013,976	1,282,733	1,334,826
Total deferred liabilities	517,440	530,248	662,845	666,969	700,358	761,695
Total liabilities	1,319,541	1,357,656	1,611,324	1,680,945	1,983,091	2,096,521
Retained earnings	1,821,694	1,873,266	2,032,440	1,829,925	2,884,387	3,263,354
Market valuation equity	577,481	665,108	594,066	881,757	814,308	841,779
Net worth (farm and nonfarm)	2,399,175	2,538,374	2,626,506	2,711,682	3,698,695	4,105,134
Net worth excluding deferreds	2,916,615	3,068,622	3,289,352	3,378,651	4,399,052	4,866,829
Net worth change		139,199		85,176		406,439
Percent net worth change		6 %		3 %		11 %
Ratio Analysis	/					
Current farm liabilities / assets	35 %	38 %	31 %	43 %	41 %	37 %
Intermediate farm liab. / assets	14 %	12 %	15 %	13 %	10 %	9%
Long term farm liab. / assets	19 %	18 %	20 %	18 %	21 %	20 %
Total debt to asset ratio	35 %	35 %	38 %	38 %	35 %	34 %
Debt to assets excl deferreds	22 %	21 %	22 %	23 %	23 %	22 %

Statement Of Cash Flows Southwest Minnesota Farm Business Management Association (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	High 20%
Number of farms	109	21	22
Beginning cash (farm & nonfarm)	61,885	98,448	10,658
Cash Provided By Operating Activities			
Gross cash farm income	1,086,085	1,111,824	2,407,839
Total cash farm expense	-856,705	-920,358	-1,971,065
Net cash from hedging transactions	-8,747	-27,931	-21,487
Cash provided by operating	220,633	163,535	415,287
Cash Provided By Investing Activities			
Sale of breeding livestock	3,551	124	17,475
Sale of machinery & equipment	8,200	12,606	8,792
Sale of titled vehicles	598	-	274
Sale of farm land	10,588	-	52,395
Sale of farm buildings	2	-	9
Sale of other farm assets	3,209	312	380
Sale of nonfarm assets	11,220	5,200	13,980
Purchase of breeding livestock	-1,782	-1,098	-3,462
Purchase of machinery & equip.	-72,947	-45,940	-137,955
Purchase of titled vehicles	-4,102	-6,214	-5,542
Purchase of farm land	-41,732	-27,286	-110,553
Purchase of farm buildings	-32,045	-10,004	-51,972
Purchase of other farm assets	-3,436	-1,168	-9,403
Purchase of nonfarm assets	-29,057	-29,067	-35,349
Cash provided by investing	-147,732	-102,535	-260,931
Cash Provided By Financing Activities			
Money borrowed	482,120	714,991	775,389
Principal payments	-465,334	-683,500	-756,131
Personal income	42,073	63,100	27,812
Family living/owner withdrawals	-88,385	-84,576	-130,017
Income and social security tax	-33,220	-32,049	-38,677
Capital contributions	5,382	-	26,666
Capital distributions	-3,398	-	-16,837
Dividends paid	-37	-95	-
Cash gifts and inheritances	8,927	667	4,693
Gifts given	-2,817	-	-4,227
Other cash flows	-	-	-
Cash provided by financing	-54,688	-21,462	-111,329
Net change in cash balance	18,213	39,537	43,028
Ending cash (farm & nonfarm)	80,201	138,342	53,994
Discrepancy	-103	-357	-308

Crop Production and Marketing Summary Southwest Minnesota Farm Business Management Association (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	High 20%
Number of farms	109	21	22
Acreage Summary			
Total acres owned	208	257	287
Total crop acres	902	1,400	1,198
Crop acres owned	208	220	302
Crop acres cash rented	626	1,139	796
Crop acres share rented	67	41	100
Total pasture acres	8	14	14
Percent crop acres owned	23 %	16 %	25 %
Mach invest/crop acre cost	528	395	571
Mach invest/crop acre market	767	604	789
Average Price Received (Cash Sales	s Only)		
Soybeans per bushel	12.73	12.78	12.87
Corn per bushel	4.35	4.22	4.40
Hay, Grass per ton	92.11	-	-
Hay, Alfalfa per ton	104.52	-	-
Corn Silage per ton	38.69	-	-
Average Yield Per Acre			
Corn (bushel)	166.57	167.32	168.13
Soybeans (bushel)	48.26	48.80	48.24
Hay, Alfalfa (ton)	4.16	-	5.15
Corn Silage (ton)	21.46	-	23.18
Hay, Grass (ton)	2.02	-	-
Oats (bushel)	68.80	-	-
	00.00		

Household and Personal Expenses Southwest Minnesota Farm Business Management Association (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	High 20%
Number of farms	41	7	7
Average family size	2.8	2.1	2.6
Family Living Expenses			
Food and meals expense	8,485	6,879	9,698
Medical care	5,224	3,382	8,265
Health insurance	5,907	3,787	3,798
Cash donations	5,633	2,324	3,864
Household supplies	8,026	6,948	6,282
Clothing	2,649	2,002	3,048
Personal care	1,379	1,128	1,494
Child / Dependent care	581	1,322	, _
Alimony and child support	-	-	-
Gifts	4,269	6,818	5,165
Education	1,620	61	849
Recreation	5,125	10,175	4,697
Utilities (household share)	3,742	4,504	3,624
Personal vehicle operating exp	5,318	4,737	3,615
Household real estate taxes	554	306	503
Dwelling rent	-	-	-
Household repairs	2,329	3,829	1,883
Personal interest	1,406	1,865	1,533
Disability / Long term care ins	528	756	156
Life insurance payments	2,928	2,609	3,168
Personal property insurance	484	639	36
Miscellaneous	6,647	14,899	3,931
Total cash family living expense	72,833	78,970	65,608
Family living from the farm	239	78,970	450
Total family living	73,073	78,970	66,058
	75,075	10,910	00,000
Other Nonfarm Expenditures			
Income taxes	41,492	49,942	33,365
Furnishing & appliance purchases	243	324	-
Nonfarm vehicle purchases	2,860	1,938	6,621
Nonfarm real estate purchases	9,142	714	-
Other nonfarm capital purchases	1,681	9,425	-
Nonfarm savings & investments	12,602	49,242	-40,335
Total other nonfarm expenditures	68,020	111,585	-350
Total cash family living			
investment & nonfarm capital purch	140,853	190,555	65,259

Operator and Labor Information Southwest Minnesota Farm Business Management Association (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	High 20%
Number of farms	109	21	22
Operator Information			
Average number of operators	1.2	1.2	1.3
Average age of operators	50.4	44.3	55.1
Average number of years farming	25.9	20.8	31.0
Results Per Operator			
Working capital	467,741	528,886	762,972
Total assets (market)	3,241,734	3,689,807	4,704,704
Total liabilities	1,129,652	1,411,994	1,590,465
Net worth (market) Net worth excl deferred liabs	2,112,082	2,277,813 2,838,067	3,114,239
Net worth exciderented liabs	2,553,281	2,030,007	3,692,077
Gross farm income	862,073	755,752	1,889,775
Total farm expense	771,296	879,686	1,540,596
Net farm income from operations	90,777	-123,934	349,179
Net nonfarm income	35,007	53,004	21,099
Family living & tax withdrawals	105,086	100,076	146,020
Total acres owned	173.0	216.0	217.5
Total crop acres	750.2	1,176.3	908.5
Crop acres owned	173.3	184.8	229.3
Crop acres cash rented	521.2	956.7	603.7
Crop acres share rented	55.7	34.8	75.5
Total pasture acres	6.6	11.8	10.6
Labor Analysis			
Number of farms	109	21	22
Total unpaid labor hours	2,157	2,149	2,812
Total hired labor hours	1,641	1,141	3,931
Total labor hours per farm	3,798	3,290	6,742 2,133
Unpaid hours per operator Value of farm production / hour	1,795 208.05	1,806 271.40	2,133
Net farm income / unpaid hour	50.57	-68.64	163.71
Average hourly hired labor wage	20.59	28.25	21.12
Partnerships & LLCs			
Number of farms	13	2	4
Number of operators	2.3	-	-
Owner withdrawals per farm	98,373	-	-
Withdrawals per operator	40,989	-	-
Corporations			
Number of farms	9	2	2
Number of operators	1.2	-	-

Nonfarm Summary Southwest Minnesota Farm Business Management Association (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	High 20%
Number of farms	109	21	22
Nonfarm Income			
Personal wages & salary	17,646	13,919	9,928
Net nonfarm business income	3,692	11,956	2,406
Personal rental income	6,596	23,921	1,989
Personal interest income	789	470	354
Personal cash dividends	518	39	-
Taxrefunds	1,508	2,910	314
Other nonfarm income	11,324	9,884	12,821
Total nonfarm income	42,073	63,100	27,812
Gifts and inheritances	8,927	667	4,693
Nonfarm Assets (market)			
Checking & savings	9,933	5,160	1,556
Stocks & bonds	57,721	78,442	143,080
Other current assets	3,814	154	1,450
Furniture & appliances	11,158	5,005	9,344
Nonfarm vehicles	20,968	22,401	14,878
Cash value of life ins.	14,981	23,303	5,595
Retirement accounts	97,293	81,610	117,576
Other intermediate assets	21,141	2,940	9,854
Nonfarm real estate	106,658	76,880	83,775
Personal bus. investment	23,305	48	86,827
Other long term assets	45,650	61,027	30,265
Total nonfarm assets	412,622	356,970	504,198
Nonfarm Liabilities			
Accrued interest	169	137	205
Accounts payable	6,674	7,937	1,936
Current notes	292	824	662
Princ due on term debt	2,589	1,788	1,976
Total current liabilities	36,765	25,440	55,547
Intermediate liabilities	7,850	6,464	8,391
Long term liabilities	23,071	20,367	13,377
Total nonfarm liabilities	67,686	52,272	77,316
Nonfarm net worth	344,936	304,698	426,882
Nonfarm debt to asset ratio	16 %	15 %	15 %

Projected Profitability

Southwest Minnesota Farm Business Management Association

	2014 All Farms Actual	2014 Improved Margin Mgmt.	2014 SW Assn Crop Farms Actual	2015 SW Assn Crop Farms Projected	2014 Statewide Lvst Farms Actual	2015 Statewide Lvst Farms Projected
Liquidity						
Current ratio	2.6	2.7	2.8	2.6	1.9	1.8
Working capital to gross	54%	56%	75%	69%	19%	19%
Solvency ¹						
Debt to asset	22%	22%	20%	21%	36%	38%
Debt to equity	0.28	0.27	0.24	0.26	0.57	0.62
Profitability						
Rate of return on assets ²	2%	5%	0%	-1%	9%	-2%
Operating profit margin	10%	20%	-2%	-3%	24%	-6%
Net farm income ³	\$109 <i>,</i> 875	\$207,093	\$31,478	\$15,145	\$245,563	\$-34 <i>,</i> 038
Repayment capacity						
Term debt coverage	1.4	2.6	0.4	0.2	2.8	0.1
Replacement coverage	1.0	1.8	0.3	0.2	2.4	0.1
Efficiency						
Asset turnover rate	23%	25%	19%	20%	39%	28%
Operating expense ratio	81%	73%	85%	86%	78%	94%
Net worth growth						
Net worth change	5%	9%	3%	3%	16%	-2%

Projected Changes	2014 All Farms Actual	2014 Improved Margin Mgmt.	2014 SW Assn Crop Farms Actual	2015 SW Assn Crop Farms Projected	2014 Statewide Lvst Farms Actual	2015 Statewide Lvst Farms Projected
Gross income	-	+5%	-	-5%	-	-19%
Operating expenses	-	-5%	-	-4%	-	-2%
Interest rates	-	-	-	+1%	-	+1
Current assets	-	+5%	-	-8%	-	-8%
Noncurrent assets	-	-	-	-5%	-	-5

 ¹ Assets at estimated market value excluding deferred liabilities.
 ² Assets at estimated market value, returns excluding change in market valuation.

³ Differs from previous tables because Owner Wages and Benefits are treated as expenses. In previous tables, owner wages and benefits are moved to Value of Operator Labor and Management to improve comparative analysis.

Crop Reports

The Crop Enterprise Analysis tables show the average physical production, gross return, direct costs, overhead costs, and net returns per acre. There are potentially three tables for each crop depending on the farmer's tenure on the land: owned land, cash rented land, and share rented land. Farms are classified into low 20% or high 20% on the basis of net return per acre. The classification is done separately for each table.

Gross Return Per Acre includes the value of the crop produced plus any other income directly associated with production of the crop, including hedging gains or loses, crop insurance proceeds and any disaster payments that might have been received. It does not include direct, counter-cyclical and ACRE government payments (see Net Return With Government Payments).

The *Value Per Unit* is assigned by the producer. For cash crops, the value is based on the actual sales price for production sold or contracted before year-end and the inventory value for crops still in inventory at year-end. The local harvest-time price is used for forages and other feed crops.

Net Return Per Acre is the amount contributed toward operator labor, management, and equity capital. Any wages and benefits paid to the operator are removed from labor costs (and added to *Labor and Management Charge*) so that all farms are on equal footing. Land costs include land rent on the rented land pages but only actual interest paid and real estate taxes on owned land. For this reason, net returns from owned and rented land should not be compared.

Net Return With Government Payments is the net return per acre after decoupled government payments such as direct, counter-cyclical, and ACRE payments have been added. These payments are generally allocated evenly per acre across all crops except vegetables and pasture.

Net Return Over Labor and Management is the return, including government payments, remaining after compensating the operator for unpaid labor and management. This is the per acre return to equity capital.

Cost of Production shows the average cost per unit produced in each cost category. *Total Direct and Overhead Expense per Unit* is the breakeven price needed to cover cash costs and depreciation. *Less Government and Other Income* is the breakeven price if government payments and any miscellaneous income are used to offset some expenses. *With Labor and Management* is the breakeven price to provide a labor and management return for the operator(s).

Machinery Cost Per Acre includes fuel and oil, repairs, custom hire, machinery lease payments, machinery depreciation, and interest on intermediate debt.

Crop Enterprise Analysis Southwest Minnesota Farm Business Management Association (Farms Sorted By Return to Overhead)

Corn on Owned Land

	Avg. Of All Farms	Low 20%	High 20%
Number of farms	62	12	13
Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	163.87 100.00 3.83 0.67 628.55 1.77 107.61 7.86 745.79	$\begin{array}{c} 161.94 \\ 100.00 \\ 3.73 \\ 2.70 \\ 606.88 \\ 0.49 \\ 36.81 \\ 4.36 \\ 648.53 \end{array}$	149.74 100.00 3.98 595.62 1.70 227.02 1.10 825.45
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Drying expense Storage Packaging and supplies Fuel & oil Repairs Custom hire Hired labor Machinery leases Hauling and trucking Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$\begin{array}{c} 131.68\\ 145.83\\ 33.47\\ 17.73\\ 17.67\\ 0.43\\ 0.25\\ 29.14\\ 42.11\\ 10.64\\ 1.39\\ 0.44\\ 0.50\\ 0.60\\ 7.09\\ 2.01\\ 440.99\\ 304.80\end{array}$	130.99 162.37 31.92 13.52 16.26 0.89 36.38 60.65 2.44 2.16 1.14 0.05 6.07 3.08 467.93 180.60	136.26 126.88 35.05 23.84 10.31 1.52 23.23 29.75 12.00 0.17 2.17 7.18 2.78 411.12 414.33
Overhead Expenses Hired labor Machinery leases Building 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	$\begin{array}{c} 11.15\\ 2.27\\ 4.10\\ 28.16\\ 10.20\\ 6.18\\ 3.58\\ 44.44\\ 75.77\\ 4.55\\ 190.40\\ 631.39\\ 114.40\end{array}$	$\begin{array}{c} 13.66\\ 1.78\\ 19.70\\ 24.77\\ 8.71\\ 6.45\\ 2.33\\ 63.00\\ 98.52\\ 4.91\\ 243.83\\ 711.76\\ -63.23\end{array}$	5.33 0.02 0.79 27.43 5.97 3.67 3.24 28.71 58.87 6.60 140.62 551.74 273.71
Government payments Net return with govt pmts Labor & management charge Net return over Ibr & mgt	5.07 119.47 54.68 64.78	2.45 -60.78 51.76 -112.55	273.71 49.88 223.83
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.69 3.85 3.10 3.44	2.89 4.40 4.11 4.43	2.75 3.68 2.15 2.48
Net value per unit Machinery cost per acre Est. labor hours per acre	3.84 152.39 3.12	3.73 188.35 2.59	3.99 119.44 2.26

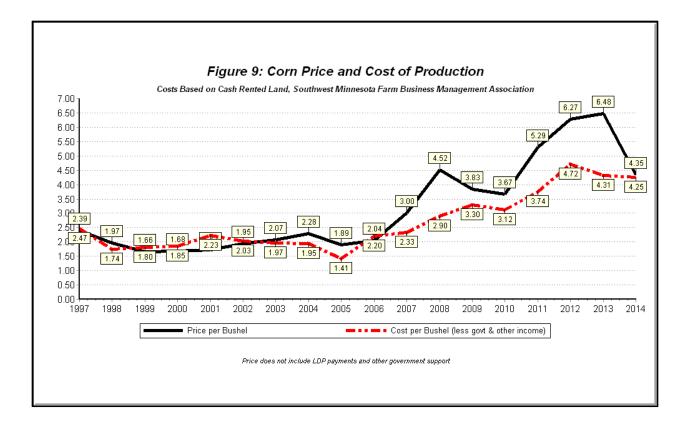
Crop Enterprise Analysis Southwest Minnesota Farm Business Management Association (Farms Sorted By Return to Overhead)

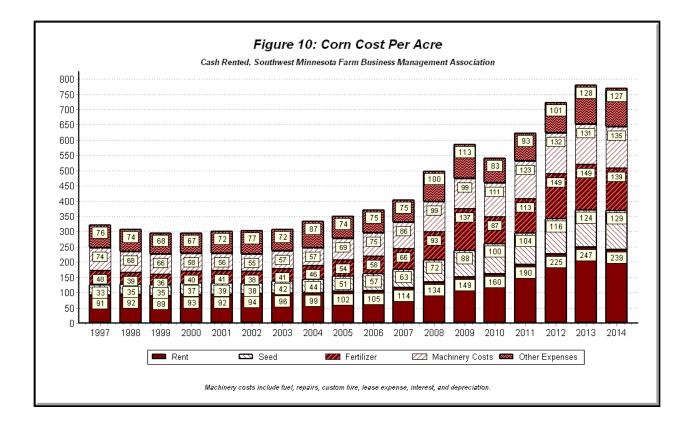
Corn on	Cash Rent
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	Avg. Of <u>All Farms</u>	Low 20%	
Number of farms	90	18	18
Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	$\begin{array}{c} 167.52 \\ 100.00 \\ 3.78 \\ 0.25 \\ 632.70 \\ -6.41 \\ 107.06 \\ 5.52 \\ 738.87 \end{array}$	$\begin{array}{c} 163.43 \\ 100.00 \\ 3.64 \\ 0.01 \\ 595.23 \\ -23.70 \\ 38.08 \\ 3.19 \\ 612.80 \end{array}$	$154.60 \\ 100.00 \\ 3.98 \\ 0.21 \\ 616.25 \\ 4.56 \\ 231.47 \\ 9.12 \\ 861.40$
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Drying expense Packaging and supplies Fuel & oil Repairs Custom hire Hired labor Land rent Machinery leases Utilities Hauling and trucking Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$\begin{array}{c} 128.85\\ 139.48\\ 32.67\\ 17.81\\ 15.12\\ 0.10\\ 29.18\\ 34.72\\ 8.97\\ 0.75\\ 238.94\\ 1.24\\ 0.38\\ 1.43\\ 2.02\\ 7.89\\ 2.89\\ 662.46\\ 76.41 \end{array}$	$\begin{array}{c} 125.61\\ 117.17\\ 28.83\\ 13.14\\ 12.11\\ 32.18\\ 36.31\\ 16.33\\ 0.03\\ 288.21\\ 1.23\\ 0.42\\ 0.50\\ 4.90\\ 11.78\\ 4.75\\ 693.51\\ -80.71\\ \end{array}$	$\begin{array}{c} 121.42\\ 125.88\\ 36.92\\ 24.47\\ 10.70\\ 0.63\\ 23.65\\ 32.15\\ 6.39\\ 1.88\\ 211.32\\ 1.14\\ 0.64\\ 0.55\\ 0.35\\ 4.64\\ 2.25\\ 604.98\\ 256.42\end{array}$
Overhead Expenses Hired labor Machinery leases Building 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	10.94 6.65 3.84 9.14 4.70 3.26 4.20 58.44 5.11 106.28 768.74 -29.87	11.39 15.71 8.99 8.09 4.11 1.92 4.55 47.04 4.28 106.07 799.58 -186.78	$\begin{array}{r} 3.80\\ 2.82\\ 1.29\\ 6.70\\ 4.38\\ 2.48\\ 3.04\\ 56.48\\ 5.12\\ 86.11\\ 691.09\\ 170.31\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over Ibr & mgt	2.51 -27.36 52.99 -80.35	1.46 -185.32 42.24 -227.55	170.31 56.37 113.94
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.95 4.59 3.94 4.25	4.24 4.89 4.78 5.03	3.91 4.47 2.88 3.25
Net value per unit Machinery cost per acre Est. labor hours per acre	3.74 134.59 2.38	3.50 144.16 1.88	4.01 119.86 2.17

Corn on Share Rent

	Avg. Of <u>All Farms</u>
Number of farms	15
Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	170.64 49.59 3.73 315.87 39.24 0.41 355.51
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Drying expense Fuel & oil Repairs Custom hire Utilities Hauling and trucking Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$\begin{array}{c} 72.79\\ 69.17\\ 17.64\\ 8.75\\ 7.52\\ 28.70\\ 32.96\\ 4.43\\ 0.81\\ 2.36\\ 2.72\\ 0.73\\ 248.59\\ 106.92 \end{array}$
Overhead Expenses Hired labor Machinery leases Building 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	4.04 0.31 1.89 4.97 4.15 1.35 4.02 60.32 3.23 84.27 332.86 22.65
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	22.65 47.42 -24.77
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.94 3.93 3.47 4.03
Net value per unit Machinery cost per acre Est. labor hours per acre	3.73 124.03 2.26





Soybeans on Owned Land

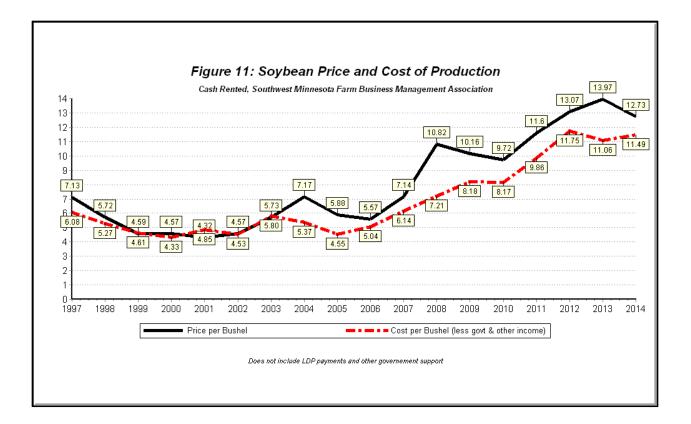
	Avg. Of <u>All Farms</u>	Low 20%	<u>High 20%</u>
			-
Number of farms	61	12	13
Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	47.76 100.00 10.10 482.51 0.52 36.20 7.95 527.18	43.35 100.00 10.19 441.89 23.35 6.93 472.17	52.62 100.00 10.23 538.45 2.70 68.08 11.31 620.54
Direct Expenses			
Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Machinery leases Hauling and trucking Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$\begin{array}{c} 63.64\\ 41.81\\ 40.53\\ 15.20\\ 23.29\\ 30.86\\ 8.03\\ 1.25\\ 0.63\\ 0.32\\ 5.17\\ 2.60\\ 233.34\\ 293.84\end{array}$	$\begin{array}{c} 67.49\\ 65.02\\ 40.11\\ 10.75\\ 24.19\\ 36.19\\ 3.36\\ 1.25\\ 1.76\\ 1.10\\ 3.50\\ 4.51\\ 259.22\\ 212.95\end{array}$	65.09 27.47 41.69 20.89 20.05 29.70 4.66
Overhead Expenses			
Hired labor Machinery leases Building 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	$\begin{array}{c} 8.95\\ 2.03\\ 1.85\\ 28.92\\ 8.75\\ 5.01\\ 3.43\\ 47.10\\ 61.87\\ 2.87\\ 170.76\\ 404.11\\ 123.08\end{array}$	$\begin{array}{c} 8.99\\ 4.21\\ 7.48\\ 29.49\\ 6.70\\ 5.56\\ 2.14\\ 93.72\\ 72.35\\ 2.94\\ 233.58\\ 492.80\\ -20.63\end{array}$	8.39 0.29 22.87 9.35 5.03 2.96 22.93 55.50 1.98 129.30 353.69 266.84
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	5.85 128.93 44.90 84.02	-20.63 44.37 -65.01	5.17 272.02 45.84 226.18
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	4.89 8.46 7.40 8.34	5.98 11.37 10.67 11.69	4.26 6.72 5.06 5.93
Net value per unit Machinery cost per acre Est. labor hours per acre	10.11 119.53 2.46	10.19 126.99 2.03	10.28 107.40 2.56

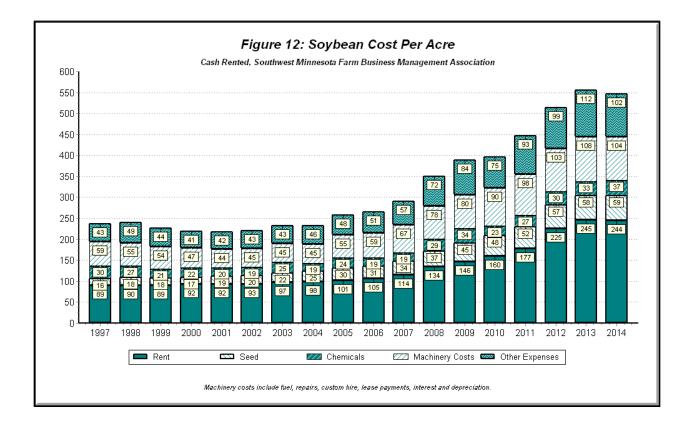
Soybeans on Cash Rent

	Avg. Of		
	<u>All Farms</u>	<u>Low 20%</u>	<u> High 20%</u>
Number of farms	91	18	19
Yield per acre (bu.)	48.34	47.56	51.78
Operators share of yield %	100.00	100.00	100.00
Value per bu.	9.97	9.76	10.40
Total product return per acre	481.99	464.00	538.50
Hedging gains/losses per acre	-7.96	-25.75	-
Crop insurance per acre	33.36	11.56	69.30
Other crop income per acre	5.46	0.85	11.15
Gross return per acre	512.85	450.66	618.95
Direct Expenses			
Seed	58.76	55.01	61.50
Fertilizer	38.01	38.45	41.98
Crop chemicals	37.47	34.26	41.84
Crop insurance	15.36	11.22	22.67
Fuel & oil	22.36	23.69	22.78
Repairs	25.82	22.67	33.57
Custom hire	6.07	7.31	9.96
Hired labor	1.00	0.03	
Land rent	244.30	296.59	171.77
Machinery leases	0.80	1.07	
Marketing	2.04	4.89	0.61
Operating interest	6.38	8.78	3.34
Miscellaneous	3.92	4.00	2.66
Total direct expenses per acre	462.27	507.94	412.66
Return over direct exp per acre	50.58	-57.28	206.29
Overhead Expenses			
Hired labor	8.13	9.33	5.53
Machinery leases	5.63	12.81	0.07
Building leases	3.29	6.85	1.10
Farm insurance	6.97	5.30	8.27
Utilities	3.61	3.45	4.88
Dues & professional fees	2.49	2.30	4.28
Interest	3.26	2.35	2.74
Mach & bldg depreciation	46.77	34.40	51.97
Miscellaneous	3.44	2.04	3.22
Total overhead expenses per acre	83.58	78.82	82.06
Total dir & ovhd expenses per acre	545.85	586.76	494.73
Net return per acre	-33.00	-136.10	124.23
Government payments	1.93		1.41
Net return with govt pmts	-31.07	-136.10	125.64
Labor & management charge	42.34	36.29	50.11
Net return over lbr & mgt	-73.41	-172.39	75.53
Not rotalli ovor ibi a nigt	70.11	112.00	10.00
Cost of Production			
Total direct expense per bu.	9.56	10.68	7.97
Total dir & ovhd exp per bu.	11.29	12.34	9.55
Less govt & other income	10.61	12.62	7.97
With labor & management	11.49	13.38	8.94
Not value per unit	9.81	9.21	10.40
Net value per unit Machinery cost per acre	103.79	9.21	112.37
Est. labor hours per acre	1.86	1.58	1.95
Lol abor nours per acre	1.00	1.00	1.90

Soybeans on Share Rent

	Avg. Of <u>All Farms</u>	
Number of farms	19	
Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	48.17 49.87 9.93 1.32 239.96 23.34 4.05 267.35	
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	36.31 20.54 20.04 9.57 22.61 28.32 4.69 2.98 3.21 148.27 119.08	
Overhead Expenses Hired labor Machinery leases Building 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	$\begin{array}{c} 3.73 \\ 0.33 \\ 1.24 \\ 5.27 \\ 2.85 \\ 1.10 \\ 3.58 \\ 51.63 \\ 2.49 \\ 72.21 \\ 220.48 \\ 46.87 \end{array}$	
Government payments Net return with govt pmts Labor & management charge Net return over Ibr & mgt	1.82 48.69 38.06 10.63	
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	6.17 9.18 7.91 9.49	
Net value per unit Machinery cost per acre Est. labor hours per acre	9.93 106.32 1.76	





Corn Silage on Owned Land

	Avg. Of <u>All Farms</u>
Number of farms	9
Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	22.09 100.00 37.13 820.26 159.51 0.51 980.29
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$\begin{array}{c} 117.74\\ 80.38\\ 21.94\\ 10.09\\ 31.42\\ 38.21\\ 5.35\\ 2.36\\ 0.18\\ 307.66\\ 672.63\end{array}$
Overhead Expenses Hired labor Machinery 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	5.63 9.86 35.51 2.75 3.47 1.73 50.05 90.80 2.77 202.57 510.23 470.06
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	470.06 45.34 424.71
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management Net value per unit Machinery cost per acre Est. labor hours per acre	13.93 23.10 15.85 17.91 37.13 173.51 1.99

Corn Silage on Cash Rent

	Avg. Of <u>All Farms</u>
Number of farms	8
Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Hedging gains/losses per acre Crop insurance per acre Gross return per acre	19.41 100.00 35.02 679.68 2.08 114.13 795.89
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Land rent Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$\begin{array}{c} 113.67\\ 116.24\\ 38.55\\ 12.12\\ 25.21\\ 31.65\\ 6.81\\ 6.50\\ 195.26\\ 2.11\\ 7.42\\ 1.53\\ 557.07\\ 238.83\end{array}$
Overhead Expenses Hired labor Machinery leases Building 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	5.87 8.05 8.16 5.75 4.59 1.22 4.12 72.82 3.10 113.67 670.74 125.15
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	125.15 56.49 68.66
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	28.70 34.55 28.57 31.48
Net value per unit Machinery cost per acre Est. labor hours per acre	35.12 132.62 2.32

Hay, Alfalfa on Owned Land

	Avg. Of <u>All Farms</u>
Number of farms	8
Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	4.78 100.00 140.77 672.71 4.87 2.30 679.88
Direct Expenses Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	54.68 5.39 3.17 35.68 38.05 15.32 0.61 1.17 1.62 155.70 524.17
Overhead Expenses Hired labor Building 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	$ \begin{array}{r} 11.68\\0.01\\35.16\\7.53\\5.63\\3.19\\27.82\\99.63\\3.09\\193.75\\349.45\\330.42\end{array} $
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	- 330.42 49.61 280.81
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management Net value per unit Machinery cost per acre Est. labor hours per acre	32.58 73.13 71.63 82.01 140.77 183.47 3.52

Hay, Alfalfa on Cash Rent

	Avg. Of <u>All Farms</u>
Number of farms	8
Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Crop insurance per acre Gross return per acre	4.23 100.00 144.10 609.11 22.92 632.02
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	$\begin{array}{c} 0.82\\ 79.78\\ 21.16\\ 2.78\\ 31.27\\ 26.45\\ 4.64\\ 121.74\\ 3.26\\ 4.63\\ 296.54\\ 335.48\end{array}$
Overhead Expenses Hired labor Machinery 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	$\begin{array}{c} 9.45\\ 0.85\\ 3.99\\ 3.05\\ 0.55\\ 3.66\\ 45.13\\ 1.59\\ 68.27\\ 364.81\\ 267.21\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	267.21 30.75 236.46
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	70.16 86.31 80.89 88.16
Net value per unit Machinery cost per acre Est. labor hours per acre	144.10 107.98 2.45

Pasture on Owned Land

	Avg. Of All Farms
Number of farms	5
Yield per acre (aum)	4.58
Operators share of yield %	100.00
Value per aum	12.16
Other product return per acre	2.05
Total product return per acre	57.70
Other crop income per acre	0.22
Gross return per acre	57.92
Direct Expenses	
Fertilizer	0.71
Crop chemicals	0.14
Fuel & oil	3.84
Repairs	4.74
Operating interest	0.35
Total direct expenses per acre	9.79
Return over direct exp per acre	48.13
Overhead Expenses	
Hired labor	2.08
Building leases	1.93
RE & pers. property taxes	15.56
Farm insurance	1.23
Utilities Interest	1.04 24.98
Mach & bldg depreciation	8.05
Miscellaneous	0.77
Total overhead expenses per acre	55.62
Total dir & ovhd expenses per acre	65.42
Net return per acre	-7.50
Government payments	
Net return with govt pmts	-7.50
Labor & management charge	5.61
Net return over lbr & mgt	-13.10
Cost of Production	
Total direct expense per aum	2.14
Total dir & ovhd exp per aum	14.29
Less govt & other income	13.79
With labor & management	15.02
Net value per unit	12.16
Machinery cost per acre	15.04
Est. labor hours per acre	0.42

CRP on Owned Land

	Avg. Of All Farms
Number of farms	17
Yield per acre (\$) Operators share of yield % Value per \$ Total product return per acre Gross return per acre	103.29 100.00 1.00 103.29 103.29
Direct Expenses Fuel & oil Repairs Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	3.63 4.66 0.41 3.59 12.29 90.99
Overhead Expenses Hired labor Machinery leases RE & pers. property taxes Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	0.64 0.28 16.26 1.53 1.18 40.71 11.10 1.20 72.90 85.19 18.09
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	- 18.09 7.98 10.11
Cost of Production Total direct expense per \$ Total dir & ovhd exp per \$ Less govt & other income With labor & management Net value per unit Machinery cost per acre	0.12 0.82 0.82 0.90 1.00 18.79
Est. labor hours per acre	0.39

Livestock Reports

The Livestock Enterprise Analysis tables show the average physical production, gross margin over purchase costs, direct costs, overhead costs, and net returns per budget unit.

This year, for the first time, the livestock enterprise summaries include data from both Southwest Minnesota Farm Management Association farms and Minnesota State Colleges and Universities Farm Business Management program farms. This was done to provide a greater numbers for each enterprise with the goal of providing more accurate benchmark information. MnSCU FBM programs are distributed across the state and include over 2,000 participating farms. We thank the MnSCU FBM program and participating producers for making this data available to be included in this report.

The "Dairy" table, if included, contains the information for only the milking herd (which includes dry cows). "Dairy Replacement Heifers" are those heifers kept for replacement into the milking herd. The "Dairy and Replacement Heifers" table is for the whole herd and includes those farms in the "Dairy" and "Dairy Replacement Heifers" tables; it does not include "Dairy Steers."

Gross Margin is the accrual gross value added by the enterprise. It includes income from sale of offspring and livestock products, cull income, non-cash transfers to other enterprises, and the value of production used in the home or for feed. It also includes the value of inventory change from beginning to the end of the year. The cost of livestock purchased and the value of animals transferred in are deducted.

Net Return is the amount contributed by a unit of the enterprise toward operator labor, management, and equity capital. Any wages and benefits paid to the operator are removed from labor costs (and added to *Labor and Management Charge*) so that all farms are on equal footing.

Net Return Over Labor and Management is the return remaining after compensating the operator for unpaid labor and management. This is the per unit return to equity capital.

Cost of Production section shows the average cost per unit sold in each cost category. *Total direct and overhead expense per unit* is the breakeven price needed to cover cash costs and depreciation. For grow/finish enterprises, this includes the purchase cost or transfer in value of the animal. *With other revenue adjustments* is the breakeven price adjusted for cull sales, other offspring sales, the cost of replacement stock, and any other miscellaneous income. This assumes that some costs can be covered by these other income sources. *With labor and management* is the final breakeven price to provide a labor and management return for the operator(s).

Other Information contains both economic and technical efficiency measures for each enterprise.

Rounding of individual items for the report may have caused minor discrepancies with the calculated totals. If fewer than 5 farms have a certain livestock enterprise, that information is not reported. If there are fewer than 25 farms, the high and low groups are not reported.

Hogs, Farrow To Finish -- Average Per Litter

	Avg. Of All Farms	
Number of farms		11
Raised Hogs sold (lb) Transferred out (lb) Cull sales (lb) Other income Purchased (lb) Inventory change (lb) Gross margin	Quantity 1,824.5 10.1 40.2 -3.7 301.7	Value 1,387.58 11.35 30.65 -8.44 -7.78 252.45 1,665.80
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Other feed stuffs (lb) Breeding fees Veterinary Supplies Fuel & oil Repairs Custom hire Hired labor Livestock leases Utilities Total direct expenses Return over direct expense	2,031.3 41.7 87.0 69.7	477.38 9.54 321.12 8.79 15.38 60.04 63.15 13.74 16.30 2.78 47.97 39.10 13.39 1,088.67 577.14
Overhead Expenses Hired labor Building leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		20.95 51.67 17.28 9.72 5.66 26.76 20.19 152.24 1,240.91 424.90
Labor & management charge Net return over lbr & mgt		48.32 376.58
Cost of Production/Cwt. Carcass Sold Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management		83.08 94.69 93.79 97.47
Est. labor hours per unit		4.35
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 Pigs sold per litter Percent substandard hogs Lb. of feed / lb. of gain Feed cost / cwt. of gain Feed cost per litter Avg wgt/Raised Hogs sold Avg price / cwt. Average carcass weight Average price / cwt. carcass		372.4 807 2.17 7.78 11.63 10.01 21.09 6.66 2 3.23 37.58 816.82 274 76.05 201 104.32

Hogs, Farrow To Finish -- Average Per Cwt. Carcass Sold

	Avg. All Fai	
Number of farms		11
Raised Hogs sold (lb) Transferred out (lb) Cull sales (lb) Other income Purchased (lb) Inventory change (lb) Gross margin	Quantity 139.23 0.77 3.07 -0.28 23.02	Value 105.89 0.87 2.34 -0.64 -0.59 19.26 127.12
Direct Expenses Protein Vit Minerals (Ib.) Complete Ration (Ib.) Corn (bu.) Other feed stuffs (Ib) Veterinary Supplies Fuel & oil Repairs Custom hire Hired labor Livestock leases Utilities Operating interest Total direct expenses Return over direct expense	155.01 3.18 6.64 5.32	$\begin{array}{c} 36.43\\ 0.73\\ 24.50\\ 0.67\\ 4.58\\ 5.20\\ 1.05\\ 1.24\\ 0.21\\ 3.66\\ 2.98\\ 1.02\\ 0.79\\ 83.08\\ 44.04 \end{array}$
Overhead Expenses Hired labor Building leases RE & pers. property taxes Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		1.60 3.94 0.30 1.32 0.74 0.43 2.04 1.24 11.62 94.69 32.42
Labor & management charge Net return over Ibr & mgt		3.69 28.74
Cost of Production/Cwt. Carcass Sold Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management		83.08 94.69 93.79 97.47
Est. labor hours per unit		0.33
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 Pigs sold per litter Percent substandard hogs Lb. of feed / lb. of gain Feed cost / cwt. of gain Feed cost per litter Avg wgt/Raised Hogs sold Avg price / cwt. Average carcass weight Average price / cwt. carcass		372.4 807 2.17 7.78 11.63 10.01 21.09 6.66 2 3.23 37.58 816.82 274 76.05 201 104.32

Hogs, Finish Feeder Pigs -- Average Per Head

	Avg. C All Farn		Low	20%	High 20	0%
Number of farms		35		6	-	7
Finish Hogs sold (lb) Transferred out (lb) Cull sales (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 277.3 0.1 1.6 -40.1 -7.2 4.6	Value 204.14 0.11 0.78 3.97 -59.29 -10.45 3.00 142.25	Quantity 303.1 0.2 1.1 -34.8 -0.3 -33.2	Value 212.03 0.19 0.61 0.50 -69.01 -0.19 -30.81 113.31	Quantity 290.7 - 4.0 -38.5 -2.4 5.8	Value 216.01 1.85 16.40 -62.97 -2.23 6.50 175.56
Direct Expenses Corn Distillers Grn (dry) (lb.) Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Other feed stuffs (lb) Veterinary Supplies Contract production exp. Fuel & oil Repairs Custom hire Hired labor Hauling and trucking Marketing Operating interest Total direct expenses Return over direct expense	4.5 166.6 71.6 7.6 14.4	$\begin{array}{c} 0.30\\ 33.63\\ 10.04\\ 31.98\\ 1.17\\ 1.10\\ 2.36\\ 1.68\\ 1.37\\ 1.52\\ 5.42\\ 0.40\\ 1.59\\ 2.34\\ 0.69\\ 95.59\\ 46.65\\ \end{array}$	29.6 193.8 73.7 8.0 9.2	$\begin{array}{c} 1.51\\ 41.17\\ 8.74\\ 34.39\\ 0.66\\ 0.97\\ 3.69\\ 2.06\\ 1.38\\ 0.96\\ 2.52\\ 2.94\\ 4.03\\ 1.22\\ 1.17\\ 107.40\\ 5.91\end{array}$	196.8 1.3 9.3 14.5	45.31 0.16 35.62 1.34 2.06 1.22 0.65 1.59 13.35 0.16 0.84 2.79 0.08 105.16 70.40
Overhead Expenses Hired labor Building leases RE & pers. property taxes Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		1.85 6.51 0.27 0.90 1.18 0.84 3.12 1.26 15.91 111.51 30.74		0.55 0.38 0.73 0.83 2.48 2.20 4.27 1.20 12.64 120.04 -6.73		$\begin{array}{c} 1.04\\ 12.58\\ 0.20\\ 0.69\\ 0.60\\ 0.54\\ 2.51\\ 0.93\\ 19.07\\ 124.23\\ 51.33\\ \end{array}$
Labor & management charge Net return over Ibr & mgt		4.94 25.80		5.56 -12.29		2.35 48.99
Cost of Production/Cwt. Carcass Sold Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management		78.92 86.70 84.84 87.25		91.32 96.92 96.92 99.38		75.70 84.61 76.97 78.07
Est. labor hours per unit		0.25		0.48		0.14
Other Information No. purchased or trans in Number sold or trans out Percentage death loss Percent substandard hogs Avg. daily gain (lb.) Lb. of feed / lb. of gain Feed cost per cwt. of gain Feed cost per head Average purchase weight Avg wgt / Finish Hogs sold Avg purch price / head Avg sales price / cwt. Average carcass weight Average price / cwt. carcass		6,749 6,401 2.1 2 1.45 2.90 32.60 77.11 44 281 65.79 73.61 212 98.79		2,697 3,260 4.6 1 1.59 3.19 36.53 86.46 41 295 82.17 69.96 221 93.54		9,943 9,073 0.5 2 1.25 2.83 31.76 82.42 36 286 58.64 74.31 215 99.85

Hogs, Finish Feeder Pigs -- Average Per Cwt. Carcass Sold

	Avg. O All Farm	f 15	Low 2	0%	High 2	20%
Number of farms		35		6		7
Finish Hogs sold (lb) Transferred out (lb) Cull sales (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 135.59 0.06 0.76 -19.60 -3.51 2.27	Value 99.82 0.05 1.94 -28.99 -5.11 1.46 69.55	Quantity 134.15 0.09 0.48 -15.39 -0.15 -14.70	Value 93.85 0.08 0.27 -30.55 -0.08 -13.64 50.16	Quantity 135.88 - 1.86 -18.02 -1.13 2.69	Value 100.97 - 7.67 -29.43 -1.04 3.04 82.06
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Other feed stuffs (lb) Veterinary Supplies Contract production exp. Fuel & oil Repairs Custom hire Hired labor Hauling and trucking Marketing Operating interest Total direct expenses Return over direct expense	81.45 34.99 3.74 9.24	$\begin{array}{c} 16.44 \\ 4.91 \\ 15.64 \\ 0.72 \\ 0.54 \\ 1.15 \\ 0.82 \\ 0.67 \\ 0.75 \\ 2.65 \\ 0.20 \\ 0.78 \\ 1.15 \\ 0.34 \\ 46.74 \\ 22.81 \end{array}$	85.80 32.64 3.55 17.14	$\begin{array}{c} 18.23\\ 3.87\\ 15.22\\ 0.96\\ 0.43\\ 1.63\\ 0.91\\ 0.61\\ 0.42\\ 1.12\\ 1.30\\ 1.78\\ 0.54\\ 0.52\\ 47.54\\ 2.61\end{array}$	92.01 0.61 4.35 6.79	21.18 0.08 16.65 0.96 0.57 0.30 0.74 6.24 0.07 0.39 1.31 0.04 49.15 32.91
Overhead Expenses Hired labor Building leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		0.90 3.18 0.44 0.58 0.41 1.52 0.75 7.78 54.52 15.03		0.24 0.17 0.37 1.10 0.97 1.89 0.86 5.59 53.13 -2.98		0.48 5.88 0.32 0.28 0.25 1.17 0.52 8.91 58.07 23.99
Labor & management charge Net return over lbr & mgt		2.42 12.61		2.46 -5.44		1.10 22.90
Cost of Production/Cwt. Carcass Sold Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management		78.92 86.70 84.84 87.25		91.32 96.92 96.92 99.38		75.70 84.61 76.97 78.07
Est. labor hours per unit		0.12		0.21		0.07
Other Information No. purchased or trans in Number sold or trans out Percentage death loss Percent substandard hogs Avg. daily gain (lb.) Lb. of feed / lb. of gain Feed cost per cwt. of gain Feed cost per cwt. of gain Feed cost per head Average purchase weight Avg wgt / Finish Hogs sold Avg purch price / head Avg sales price / cwt. Average carcass weight Average price / cwt. carcass		6,749 6,401 2.1 2 1.45 2.90 32.60 77.11 44 281 65.79 73.61 212 98.79		$\begin{array}{c} 2,697\\ 3,260\\ 4.6\\ 1\\ 1.59\\ 3.19\\ 36.53\\ 86.46\\ 41\\ 295\\ 82.17\\ 69.96\\ 221\\ 93.54\end{array}$		9,943 9,073 0.5 2 1.25 2.83 31.76 82.42 36 286 58.64 74.31 215 99.85

Hogs, Weaning to Finish -- Average Per Head

	Avg. C All Farr		Low	20%	High 2	0%
Number of farms		34		6		7
Wean-Fin Pig sold (lb) Transferred out (lb) Cull sales (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 266.0 1.3 0.2 -13.6 -1.4 10.2	Value 200.83 1.26 0.10 -6.79 -45.21 -5.50 8.06 152.77	Quantity 262.2 1.0 1.1 -16.4 0.0 19.3	Value 194.52 0.62 0.74 -7.88 -84.78 -0.19 29.38 132.41	Quantity 263.5 - - 13.9 - 11.6	Value 207.69 - 2.82 -40.42 - 5.70 175.78
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) DDGS, dry (lb.) Other feed stuffs (lb) Veterinary Supplies Contract production exp. Fuel & oil Repairs Custom hire Hired labor Livestock leases Hauling and trucking Marketing Miscellaneous Total direct expenses Return over direct expense	173.1 134.3 7.0 50.5 5.7	32.48 17.22 27.56 3.91 2.85 3.76 2.85 7.78 1.84 2.18 1.50 1.07 0.48 1.28 0.97 0.29 108.03 44.74	149.8 175.0 7.5 4.3 1.1	$\begin{array}{c} 24.60\\ 32.02\\ 30.92\\ 0.36\\ 0.47\\ 6.68\\ 3.00\\ 15.33\\ 1.13\\ 0.78\\ 3.53\\ 0.20\\ 1.33\\ 0.40\\ 0.48\\ 1.61\\ 122.83\\ 9.58 \end{array}$	139.0 52.0 8.4 57.9 -	32.65 9.19 34.75 3.62 1.58 1.81 5.45 2.56 4.74 0.60 0.91 0.06 0.00 0.50 98.48 77.30
Overhead Expenses Hired labor Building leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return Labor & management charge		2.33 3.48 0.82 0.72 0.99 2.47 1.00 11.82 119.86 32.92 4.20		0.41 0.00 0.59 0.68 0.06 0.97 0.63 3.36 126.19 6.22 3.87		3.12 3.07 1.25 1.91 0.68 5.00 1.10 16.14 114.62 61.16 6.64
Net return over Ibr & mgt Cost of Production/Cwt. Carcass Sold Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments		28.72 76.25 82.24 85.78		2.36 91.70 93.43 97.50		54.53 68.54 76.85 75.42
With labor and management		87.91 0.31		99.50 0.21		78.83 0.30
Est. labor hours per unit Other Information No. purchased or trans in Number sold or trans out Percentage death loss Percent substandard hogs Avg. daily gain (lb.) Lb. of feed / lb. of gain Feed cost per cwt. of gain Feed cost per head Average purchase weight Avg wgt / Wean-Fin Pig sold Avg purch price / head Avg sales price / cwt. Average price / cwt. carcass		16,823 14,916 4.8 1 1.51 2.89 31.96 84.02 14 275 46.06 75.51 207 101.22		9,226 6,801 5.6 2 1.55 2.81 33.07 88.37 88.37 285 67.69 74.19 215 99.19		11,374 10,475 2.8 1.54 2.76 30.70 80.21 33 272 38.40 78.82 202 106.35

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Hogs, Weaning to Finish -- Average Per Cwt. Carcass Sold

	Avg. O <u>All Farn</u>	f 15	Low	20%	High 2	0%
Number of farms		34		6	-	7
Wean-Fin Pig sold (lb) Transferred out (lb) Cull sales (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 134.84 0.65 0.08 -6.87 -0.70 5.17	Value 101.81 0.64 0.05 -3.44 -22.92 -2.79 4.08 77.45	Quantity 135.32 0.53 0.59 -8.47 -0.02 9.95	Value 100.40 0.32 0.38 -4.07 -43.76 -0.10 15.17 68.34	Quantity 135.62 - - -7.14 5.95	Value 106.90 - 1.45 -20.81 - 2.93 90.48
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) DDGS, dry (lb.) Other feed stuffs (lb) Veterinary Supplies Contract production exp. Fuel & oil Repairs Custom hire Hired labor Livestock leases Hauling and trucking Marketing Miscellaneous Total direct expenses Return over direct expense	87.75 68.07 3.55 25.59 2.90	$\begin{array}{c} 16.46\\ 8.73\\ 13.97\\ 1.98\\ 1.44\\ 1.90\\ 1.44\\ 3.95\\ 0.93\\ 1.11\\ 0.76\\ 0.54\\ 0.24\\ 0.65\\ 0.49\\ 0.15\\ 54.77\\ 22.68\end{array}$	77.30 90.32 3.89 2.22 0.58	$\begin{array}{c} 12.70\\ 16.53\\ 15.96\\ 0.18\\ 0.24\\ 3.45\\ 1.55\\ 7.91\\ 0.58\\ 0.40\\ 1.82\\ 0.10\\ 0.69\\ 0.21\\ 0.25\\ 0.83\\ 63.40\\ 4.94 \end{array}$	71.56 26.78 4.34 29.82	16.81 4.73 17.89 1.86 0.81 0.93 2.81 1.32 2.44 0.31 0.47 0.03 0.00 0.29 50.69 39.79
Overhead Expenses Hired labor Building leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		$\begin{array}{c} 1.18\\ 1.76\\ 0.41\\ 0.37\\ 0.50\\ 1.25\\ 0.51\\ 5.99\\ 60.76\\ 16.69\end{array}$		$\begin{array}{c} 0.21 \\ 0.00 \\ 0.31 \\ 0.35 \\ 0.03 \\ 0.50 \\ 0.33 \\ 1.73 \\ 65.13 \\ 3.21 \end{array}$		1.61 1.58 0.64 0.98 2.57 0.57 8.31 59.00 31.48
Labor & management charge Net return over Ibr & mgt		2.13 14.56		2.00 1.22		3.42 28.07
Cost of Production/Cwt. Carcass Sold Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management		76.25 82.24 85.78 87.91		91.70 93.43 97.50 99.50		68.54 76.85 75.42 78.83
Est. labor hours per unit		0.16		0.11		0.15
Other Information No. purchased or trans in Number sold or trans out Percentage death loss Percent substandard hogs Avg. daily gain (lb.) Lb. of feed / lb. of gain Feed cost per cwt. of gain Feed cost per head Average purchase weight Avg wgt / Wean-Fin Pig sold Avg purch price / head Avg sales price / cwt. Average carcass weight Average price / cwt. carcass		16,823 14,916 4.8 1 1.51 2.89 31.96 84.02 14 275 46.06 75.51 207 101.22		9,226 6,801 5.6 2 1.55 2.81 33.07 88.37 88.37 285 67.69 74.19 215 99.19		11,374 10,475 2.8 1 1.54 2.76 30.70 80.21 13 272 38.40 78.82 202 106.35

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Hogs, Finish F	eeder Pigs (Contract	t Grower) Average Per	D][`GdUWY
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	Avg. All Fai	Of rms	High_	20%
Number of farms		23		5
Other income Gross margin	Quantity	Value 40.97 40.97	Quantity	Value 49.36 49.36
Direct Expenses Veterinary Supplies Contract production exp. Fuel & oil Repairs Repair, machinery Custom hire Repair, buildings Hired labor Utilities Bedding Operating interest Total direct expenses Return over direct expense		$\begin{array}{c} 0.11\\ 1.52\\ 1.52\\ 2.14\\ 3.48\\ 0.14\\ 1.04\\ 0.12\\ 1.42\\ 1.82\\ 0.14\\ 0.45\\ 13.89\\ 27.08\end{array}$		0.07 0.25 0.20 1.98 2.98 0.57 1.51 1.20 0.02 8.78 40.58
Overhead Expenses Hired labor Building leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		$\begin{array}{c} 0.34\\ 0.28\\ 0.87\\ 1.74\\ 1.32\\ 0.58\\ 3.92\\ 11.03\\ 0.92\\ 21.01\\ 34.90\\ 6.08 \end{array}$		0.69 0.50 1.53 1.45 0.43 3.81 11.04 0.99 20.45 29.23 20.13
Labor & management charge Net return over lbr & mgt		6.79 -0.72		7.62 12.51
Est. labor hours per unit		0.42		0.60
Other Information Number of pigs Pigs per pig space (per year) Pigs per 100 sq. ft. (per yr) Net return per 100 sq. ft. Net return per labor hour Square feet per pig space		5,838 2.41 31.35 79.16 14.59 7.67		3,233 1.83 21.79 239.58 33.43 8.40

Hogs, Weaning to Finish (Contract Grower) -- Average Per D][GdUW

	Avg. O All Farm		Low 2	20%	High 2	20%	
Number of farms		63		12		13	
Other income Gross margin	Quantity	Value 37.72 37.72	Quantity	Value 35.30 35.30	Quantity	Value 40.93 40.93	
Direct Expenses		4.50		0.00		0.00	
Supplies Contract production exp.		1.52 1.45		3.22 0.41		0.86 0.60	
Fuel & oil		1.94		1.32		2.14	
Repairs		2.59		2.72		2.51	
Repair, machinery		0.18		0.23		-	
Repair, livestock equip		0.23		0.34		0.49	
Custom hire		0.61		1.48		0.64	
Repair, buildings Hired labor		0.09 0.92		0.41 2.15		- 0.37	
Machinery leases		0.05		0.23		- 0.57	
Livestock leases		0.36		-		-	
Utilities		1.13		1.21		0.34	
Operating interest		0.17		0.30		0.03	
Total direct expenses		11.23		14.03		7.98	
Return over direct expense		26.49		21.27		32.95	
Overhead Expenses							
Hired labor		0.31		0.41		0.08	
Building leases		0.86		2.19		-	
RE & pers. property taxes		0.71		1.26		0.71	
Farm insurance Utilities		1.48 1.20		2.01 1.53		1.14 1.51	
Dues & professional fees		0.13		0.23		0.08	
Interest		3.70		6.29		2.09	
Mach & bldg depreciation		10.23		13.13		7.40	
Miscellaneous		0.78		0.80		0.55	
Total overhead expenses		19.41		27.86		13.56	
Total dir & ovhd expenses Net return		30.64 7.08		41.89 -6.59		21.53 19.40	
Netretuin		7.00		-0.55		13.40	
Labor & management charge		5.00		3.93		6.19	
Net return over Ibr & mgt		2.08		-10.52		13.20	
Est. labor hours per unit		0.32		0.34		0.35	
Other Information							
Number of pigs		7,528		5,986		7,902	
Pigs per pig space (per year)		2.40		2.12		2.47	
Pigs per 100 sq. ft. (per yr)		33.31		27.47		35.45	
Net return per 100 sq. ft. Net return per labor hour		98.15 22.39		-85.28 -19.26		278.39 55.33	
Square feet per pig space		7.22		-19.26 7.73		55.33 6.97	
equale leer per pig space		1.22		1.10		0.07	

Beef Cow-Calf -- Average Per Cow

	Avg. (All Far		Low	20%	High 2	20%
Number of farms		107		21	-	22
Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) Otherincome Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 234.2 220.8 84.6 -24.2 -49.1 145.6	Value 497.29 517.30 179.46 5.17 -98.01 -104.14 290.69 1.295.14	Quantity 216.3 214.8 140.9 -37.3 -49.4 -5.5	Value 457.35 408.10 169.92 - -93.80 -101.42 56.40 896.55	Quantity 213.5 234.5 134.9 -49.8 -64.9 476.3	Value 460.27 561.80 196.94 -138.05 -97.71 547.17 1,554.19
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Operating interest Total direct expenses Return over direct expense	413.6 181.5 5,224.9 1,198.1 3,931.7 5.0 1,535.8	$\begin{array}{c} 39.01\\ 26.29\\ 88.93\\ 71.12\\ 170.03\\ 62.73\\ 50.38\\ 27.93\\ 44.92\\ 39.11\\ 44.94\\ 6.89\\ 12.46\\ 684.74\\ 610.40\end{array}$	2,171.1 558.2 4,594.0 1,301.3 4,564.9 1.5 402.5	44.19 77.16 82.71 95.53 230.69 23.58 23.91 22.65 56.07 45.01 61.10 13.17 18.66 794.43 102.13	195.4 64.0 4,031.1 1,465.1 3,360.6 4.6 1,532.2	$\begin{array}{c} 31.43\\ 7.87\\ 70.79\\ 90.21\\ 130.87\\ 77.70\\ 46.65\\ 32.66\\ 45.84\\ 36.18\\ 48.89\\ 5.41\\ 15.45\\ 639.95\\ 914.24\end{array}$
Overhead Expenses Hired labor RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		11.10 7.20 16.79 17.91 8.10 25.79 57.29 14.58 158.77 843.51 451.63		9.59 12.79 23.56 31.08 15.08 45.91 115.25 19.18 272.45 1,066.87 -170.32		5.33 6.38 13.97 16.93 5.23 18.61 34.69 9.36 110.51 750.46 803.73
Labor & management charge Net return over lbr & mgt		111.40 340.23		162.32 -332.63		87.95 715.78
Cost of Production Per Cwt. Produced Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management		111.51 137.36 115.78 133.92		165.59 222.38 212.51 246.35		67.52 79.18 49.31 58.59
Est. labor hours per unit		9.92		13.99		7.46
Other Information Number of cows Pregnancy percentage Pregnancy loss percentage Culling percentage Calving percentage Weaning percentage Calves sold per cow Calf death loss percent Cow death loss percent Cows per FTE Average weaning weight Lb. weaned/exposed female Feed cost per cow Avg wgt/ Beef Calves sold Avg price / cwt.		$\begin{array}{c} 67.8\\ 96.8\\ 3.4\\ 13.1\\ 93.5\\ 87.3\\ 0.79\\ 5.8\\ 2.4\\ 282.1\\ 533\\ 465\\ 508.48\\ 615\\ 212.33\end{array}$		33.5 94.1 1.1 14.7 93.1 84.2 0.78 5.3 3.8 200.2 495 417 577.77 574 211.43		$\begin{array}{r} 90.6\\ 98.5\\ 1.5\\ 14.2\\ 97.0\\ 91.5\\ 0.80\\ 3.1\\ 1.6\\ 375.1\\ 563\\ 515\\ 455.52\\ 621\\ 215.63\end{array}$

Beef Cow-Calf -- Average Per Cwt. Produced

	Avg. C All Farn		Low	20%	High 2	0%
Number of farms		107		21		22
Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) Otherincome Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 38.14 35.95 13.77 -3.94 -8.00 23.71	Value 80.98 84.24 29.22 0.84 -15.96 -16.96 47.34 210.90	Quantity 45.09 44.78 29.37 -7.77 -10.30 -1.16	Value 95.33 85.06 35.42 -19.55 -21.14 11.76 186.88	Quantity 22.52 24.74 14.24 -5.25 -6.85 50.25	Value 48.56 59.28 20.78 -14.57 -10.31 57.73 163.99
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Bedding Operating interest Total direct expenses Return over direct expense	67.35 29.56 850.84 195.11 640.26 0.82 250.10	$\begin{array}{c} 6.35 \\ 4.28 \\ 14.48 \\ 11.58 \\ 27.69 \\ 10.22 \\ 8.20 \\ 4.55 \\ 6.09 \\ 6.37 \\ 7.32 \\ 1.12 \\ 1.22 \\ 2.03 \\ 111.51 \\ 99.40 \end{array}$	452.55 116.35 957.57 271.24 951.50 0.32 83.91	9.21 16.08 17.24 19.91 48.09 4.92 4.98 4.72 9.97 9.38 12.73 2.74 1.72 3.89 165.59 21.29	20.62 6.76 425.33 154.58 354.59 0.48 161.66	$\begin{array}{c} 3.32\\ 0.83\\ 7.47\\ 9.52\\ 13.81\\ 8.20\\ 4.92\\ 3.45\\ 3.87\\ 3.82\\ 5.16\\ 0.57\\ 0.97\\ 1.63\\ 67.52\\ 96.46\end{array}$
Overhead Expenses Hired labor RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		1.81 1.17 2.73 2.92 1.32 4.20 9.33 2.37 25.85 137.36 73.54		$\begin{array}{c} 2.00\\ 2.67\\ 4.91\\ 6.48\\ 3.14\\ 9.57\\ 24.02\\ 4.00\\ 56.79\\ 222.38\\ -35.50\end{array}$		0.56 0.67 1.47 0.55 1.96 3.66 0.99 11.66 79.18 84.80
Labor & management charge Net return over lbr & mgt		18.14 55.40		33.83 -69.33		9.28 75.52
Cost of Production Per Cwt. Produced Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management		111.51 137.36 115.78 133.92		165.59 222.38 212.51 246.35		67.52 79.18 49.31 58.59
Est. labor hours per unit		1.62		2.92		0.79
Other Information Number of cows Pregnancy percentage Pregnancy loss percentage Culling percentage Calving percentage Weaning percentage Calves sold per cow Calf death loss percent Cow death loss percent Cows per FTE Average weaning weight Lb. weaned/exposed female Feed cost per cow Avg wgt/ Beef Calves sold Avg price / cwt.		$\begin{array}{c} 67.8\\ 96.8\\ 3.4\\ 13.1\\ 93.5\\ 87.3\\ 0.79\\ 5.8\\ 2.4\\ 282.1\\ 533\\ 465\\ 508.48\\ 615\\ 212.33\end{array}$		33.5 94.1 1.1 14.7 93.1 84.2 0.78 5.3 3.8 200.2 495 417 577.77 574 211.43		$\begin{array}{r} 90.6\\ 98.5\\ 1.5\\ 14.2\\ 97.0\\ 91.5\\ 0.80\\ 3.1\\ 1.6\\ 375.1\\ 563\\ 515\\ 455.52\\ 621\\ 215.63\end{array}$

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Beef Finishing -- Average Per Head

	Avg. All Fai		Low	20%	High 2	20%
Number of farms		63		12		13
Finish Beef sold (lb) Transferred out (lb) Cull sales (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 1,345.8 10.9 0.0 -585.9 -38.5 -41.7	Value 2,026.77 16.93 0.07 -3.54 -1,154.94 -89.23 249.39 1,045.46	Quantity 1,355.6 14.8 - -949.5 -19.7 175.9	Value 1,933.90 22.16 - -45.43 -1,988.49 -55.45 717.11 583.80	Quantity 1,285.3 4.3 - - -525.1 -31.8 -12.1	Value 1,966.27 6.41 7.35 -945.32 -72.72 279.57 1,241.56
Direct Expenses Protein Vit Minerals (Ib.) Complete Ration (Ib.) Corn (bu.) Corn Silage (Ib.) Hay, Grass (Ib.) DDGS, dry (Ib.) Other feed stuffs (Ib) Veterinary Supplies Fuel & oil Repairs Hauling and trucking Marketing Bedding Operating interest Total direct expenses Return over direct expense	243.1 137.3 49.0 3,105.2 355.1 426.8 1,182.0	$54.57 \\ 18.86 \\ 185.17 \\ 53.72 \\ 15.29 \\ 28.01 \\ 47.92 \\ 16.54 \\ 30.91 \\ 18.30 \\ 18.58 \\ 12.45 \\ 34.13 \\ 3.88 \\ 19.20 \\ 557.53 \\ 487.93 \\ 19.20 \\ 557.53 \\ 487.93 \\ 19.20 \\ 557.53 \\ 487.93 \\ 10.20 \\ 557.53 \\ 487.93 \\ 10.20 \\ 557.53 \\ 487.93 \\ 10.20 \\ 557.53 \\ 487.93 \\ 10.20 \\ 557.53 \\ 487.93 \\ 10.20 \\ 557.53 \\ 487.93 \\ 10.20 \\ 557.53 \\ 487.93 \\ 10.20 \\ 557.53 \\ 487.93 \\ 10.20 \\ 557.53 \\ 487.93 \\ 10.20 \\ 557.53 \\ 487.93 \\ 10.20 \\ 557.53 \\ 487.93 \\ 10.20 \\ 557.53 \\ 487.93 \\ 10.20 \\ 557.53 \\ 487.93 \\ 10.20 \\ 557.53 \\ 487.93 \\ 10.20 \\ 10.2$	141.5 45.7 3,414.6 157.7 494.6 308.9	45.80 179.79 69.95 11.97 36.02 13.40 11.05 8.77 14.20 18.82 14.48 49.33 2.11 18.31 494.02 89.79	195.9 334.7 42.0 4,706.1 280.3 293.6 525.0	$\begin{array}{c} 40.66\\ 35.56\\ 159.12\\ 79.59\\ 11.87\\ 23.11\\ 21.23\\ 24.79\\ 21.92\\ 19.39\\ 18.99\\ 8.23\\ 1.38\\ 8.62\\ 25.68\\ 500.14\\ 741.42\end{array}$
Overhead Expenses Hired labor Machinery leases Farm insurance Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		16.28 2.60 8.79 33.24 15.26 84.48 642.00 403.46		9.13 4.56 11.24 31.67 18.42 75.01 569.02 14.78		24.70 8.75 13.27 11.96 24.74 17.69 101.11 601.24 640.32
Labor & management charge Net return over Ibr & mgt		51.30 352.16		39.93 -25.15		43.49 596.83
Cost of Production Per Cwt. Produced Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management		113.57 119.79 120.90 124.68		131.88 137.36 141.66 144.57		95.48 103.32 103.32 106.69
Est. labor hours per unit		3.43		2.56		3.47
Other Information No. purchased or trans in Number sold or trans out Percentage death loss Avg. daily gain (lb.) Lb. of conc / lb. of gain Lb. of feed / lb. of gain Feed cost per cwt. of gain Feed cost per head Average purchase weight Avg wgt / Finish Beef sold Avg purch price / cwt.		272 281 0.7 2.73 6.12 8.53 57.77 403.54 652 1,356 197.11 150.60		280 218 0.4 2.88 5.52 8.12 60.90 356.94 781 1,412 209.42 142.66		383 391 0.5 2.86 4.90 7.62 51.11 371.13 371.13 587 1,307 180.04 152.98

Beef Finishing -- Average Per Cwt. Produced

	Avg. (All Fari		Low 2	20%	High :	20%
Number of farms		63		12		13
Finish Beef sold (lb) Transferred out (lb) Cull sales (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 192.67 1.55 0.01 -83.88 -5.51 -5.97	Value 290.15 2.42 0.01 -0.51 -165.34 -12.77 35.70 149.67	Quantity 231.27 2.53 - - 161.99 -3.36 30.01	Value 329.93 3.78 -7.75 -339.25 -9.46 122.34 99.60	Quantity 177.00 - - -72.31 -4.38 -1.66	Value 270.78 0.88 - 1.01 -130.18 -10.01 38.50 170.98
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Grass (lb.) DDGS, dry (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Hauling and trucking Marketing Operating interest Total direct expenses Return over direct expense	34.80 19.65 7.02 444.55 50.84 61.10 169.21	$\begin{array}{c} 7.81\\ 2.70\\ 26.51\\ 7.69\\ 2.19\\ 4.01\\ 6.86\\ 2.37\\ 4.98\\ 2.62\\ 2.66\\ 1.78\\ 4.89\\ 2.75\\ 79.82\\ 69.85\end{array}$	24.13 7.79 582.54 26.91 84.38 52.70	7.81 30.67 11.93 2.04 6.15 2.29 1.89 1.86 2.42 3.21 2.47 8.42 3.12 84.28 15.32	26.97 46.10 5.78 648.09 38.60 40.43 72.30	$\begin{array}{c} 5.60\\ 4.90\\ 21.91\\ 10.96\\ 1.64\\ 3.18\\ 2.92\\ 3.41\\ 4.21\\ 2.67\\ 2.61\\ 1.13\\ 0.19\\ 3.54\\ 68.88\\ 102.10\\ \end{array}$
Overhead Expenses Hired labor Machinery leases Farm insurance Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		2.33 0.37 1.26 1.19 4.76 2.19 12.09 91.91 57.76		1.56 0.78 1.92 5.40 3.14 12.80 97.08 2.52		3.40 1.20 1.83 1.65 3.41 2.44 13.92 82.80 88.18
Labor & management charge Net return over Ibr & mgt		7.34 50.42		6.81 -4.29		5.99 82.19
Cost of Production Per Cwt. Produced Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management		113.57 119.79 120.90 124.68		131.88 137.36 141.66 144.57		95.48 103.32 103.32 106.69
Est. labor hours per unit		0.49		0.44		0.48
Other Information No. purchased or trans in Number sold or trans out Percentage death loss Avg. daily gain (lb.) Lb. of conc / lb. of gain Lb. of feed / lb. of gain Feed cost per cwt. of gain Feed cost per cwt. of gain Average purchase weight Avg wgt / Finish Beef sold Avg purch price / cwt. Avg sales price / cwt.		272 281 0.7 2.73 6.12 8.53 57.77 403.54 652 1,356 197.11 150.60		280 218 0.4 2.88 5.52 8.12 60.90 356.94 781 1,412 209.42 142.66		383 391 0.5 2.86 4.90 7.62 51.11 371.13 587 1,307 180.04 152.98

Dairy -- Average Per Cow

	Avg. All Far		Low	20%	High	20%	
Number of farms		394		78		78	
Milk sold (hd) Dairy Calves sold (hd) Transferred out (hd) Cull sales (hd) Other income Purchased (hd) Transferred in (hd) Inventory change (hd) Dairy repl net cost Gross margin	Quantity 23,401.7 0.3 0.7 0.3 0.0 0.4 0.0	Value 5,716.23 84.39 56.56 360.17 35.38 -34.22 -113.47 73.43 -597.25 5,581.78	Quantity 18,819.4 0.2 0.6 0.3 0.0 0.4 0.0	Value 4,507.93 57.42 51.44 303.34 36.60 -59.32 -104.68 32.53 -652.36 4,173.02	Quantity 25,305.5 0.4 0.7 0.3 0.0 0.4 0.0	Value 6,210.64 98.64 57.14 401.07 33.69 -37.17 -53.03 105.58 -606.32 6,211.68	
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Haylage, Alfalfa (lb.) Other feed stuffs (lb) Breeding fees Veterinary Supplies Fuel & oil Repairs Custom hire Hired labor Hauling and trucking Bedding Total direct expenses Return over direct expense	3,889.7 1,422.2 64.5 17,733.3 2,444.7 4,066.5 3,879.5	$\begin{array}{c} 927.72\\ 366.79\\ 243.92\\ 337.79\\ 218.70\\ 164.24\\ 161.17\\ 50.70\\ 112.47\\ 367.17\\ 117.01\\ 154.00\\ 67.83\\ 258.84\\ 42.72\\ 89.17\\ 3,680.25\\ 1,901.53\\ \end{array}$	4,043.2 2,340.5 55.4 15,501.0 3,487.0 3,061.9 3,822.8	801.15 224.64 227.25 279.66 337.43 149.90 207.95 34.25 94.23 309.65 114.21 152.94 55.21 283.24 43.02 74.56 3,389.30 783.72	3,956.4 1,030.4 65.4 18,545.3 2,128.4 3,882.0 4,117.4	$\begin{array}{c} 1,022.66\\ 280.43\\ 254.98\\ 354.49\\ 160.77\\ 178.54\\ 147.30\\ 50.22\\ 106.55\\ 324.78\\ 117.26\\ 158.70\\ 90.14\\ 207.73\\ 55.00\\ 75.22\\ 3,584.78\\ 2,626.90 \end{array}$	
Overhead Expenses Hired labor Building leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		$\begin{array}{c} 178.78\\ 50.40\\ 47.54\\ 69.14\\ 84.90\\ 166.72\\ 67.56\\ 665.03\\ 4,345.28\\ 1,236.50\end{array}$		60.10 23.83 50.33 77.57 135.61 169.27 73.20 589.93 3,979.23 193.79		156.20 60.23 44.23 72.48 61.80 189.53 51.62 636.08 4,220.86 1,990.82	
Labor & management charge Net return over lbr & mgt		223.95 1,012.56		248.61 -54.82		313.68 1,677.13	
Cost of Production Per Cwt. Of Milk Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management		15.62 18.45 19.14 20.09		17.89 21.00 22.92 24.23		14.12 16.62 16.69 17.93	
Est. labor hours per unit		40.65		40.73		39.67	
Other Information Number of cows Milk produced per cow Total milk sold Lb. of milk sold per FTE Culling percentage Turnover rate Cow death loss percent Percent of barn capacity Feed cost per day Feed cost per cow Avg. milk price per cwt. Milk price / feed margin		$180.4 \\ 23,556 \\ 4,221,299 \\ 1,611,802 \\ 30.3 \\ 37.4 \\ 6.5 \\ 110.0 \\ 6.63 \\ 10.27 \\ 2,420.33 \\ 24.43 \\ 14.15 \\ 14.15 \\ 10.556 \\ 10.27 \\ 10.2$		$\begin{array}{c} 111.7\\ 18,949\\ 2,102,194\\ 1,293,663\\ 27.4\\ 36.4\\ 8.5\\ 96.5\\ 6.10\\ 11.76\\ 2,227.99\\ 23.95\\ 12.20\\ \end{array}$		198.4 25,392 5,020,875 1,786,138 31.1 37.9 6.2 110.2 6.57 9.45 2,399.17 24.54 15.09	

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Dairy -- Average Per Cwt. Of Milk

	Avg. O All Farm		Low	20%	High	20%	
Number of farms	3	394		78	78		
Milk sold (hd) Dairy Calves sold (hd) Transferred out (hd) Cull sales (hd) Otherincome Purchased (hd) Transferred in (hd) Inventory change (hd) Dairy repl net cost Gross margin	Quantity 99.34 0.00 0.00 0.00 0.00 0.00 0.00	Value 24.27 0.36 0.24 1.53 0.15 -0.15 -0.48 0.31 -2.54 23.70	Quantity 99.31 0.00 0.00 0.00 0.00 0.00 0.00	Value 23.79 0.30 0.27 1.60 0.19 -0.31 -0.55 0.17 -3.44 22.02	Quantity 99.66 0.00 0.00 0.00 0.00 0.00 0.00	Value 24.46 0.39 0.23 1.58 0.13 -0.15 -0.21 0.42 -2.39 24.46	
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Haylage, Alfalfa (lb.) Other feed stuffs (lb) Breeding fees Veterinary Supplies Fuel & oil Repairs Custom hire Hired labor Hauling and trucking Bedding Total direct expenses Return over direct expense	16.51 6.04 0.27 75.28 10.38 17.26 16.47	$\begin{array}{c} 3.94 \\ 1.56 \\ 1.04 \\ 1.43 \\ 0.93 \\ 0.70 \\ 0.68 \\ 0.22 \\ 0.48 \\ 1.56 \\ 0.50 \\ 0.65 \\ 0.29 \\ 1.10 \\ 0.18 \\ 0.38 \\ 15.62 \\ 8.07 \end{array}$	21.34 12.35 0.29 81.80 18.40 16.16 20.17	$\begin{array}{c} 4.23\\ 1.19\\ 1.20\\ 1.48\\ 1.78\\ 0.79\\ 1.10\\ 0.18\\ 0.50\\ 1.63\\ 0.60\\ 0.81\\ 0.29\\ 1.49\\ 0.23\\ 0.39\\ 17.89\\ 4.14\end{array}$	15.58 4.06 0.26 73.04 8.38 15.29 16.22	$\begin{array}{c} 4.03\\ 1.10\\ 1.00\\ 1.40\\ 0.63\\ 0.70\\ 0.58\\ 0.20\\ 0.42\\ 1.28\\ 0.46\\ 0.62\\ 0.36\\ 0.82\\ 0.22\\ 0.30\\ 14.12\\ 10.35\end{array}$	
Overhead Expenses Hired labor Building leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		0.76 0.21 0.20 0.36 0.71 0.29 2.82 18.45 5.25		0.32 0.13 0.27 0.41 0.72 0.89 0.39 3.11 21.00 1.02		0.62 0.24 0.17 0.29 0.24 0.75 0.20 2.51 16.62 7.84	
Labor & management charge Net return over lbr & mgt		0.95 4.30		1.31 -0.29		1.24 6.60	
Cost of Production Per Cwt. Of Milk Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management		15.62 18.45 19.14 20.09		17.89 21.00 22.92 24.23		14.12 16.62 16.69 17.93	
Est. labor hours per unit		0.17		0.21		0.16	
Other Information Number of cows Milk produced per cow Total milk sold Lb. of milk sold per FTE Culling percentage Turnover rate Cow death loss percent Percent of barn capacity Feed cost per day Feed cost per cwt. of milk Feed cost per cow Avg. milk price per cwt. Milk price / feed margin		$\begin{array}{c} 180.4\\ 23,556\\ 4,221,299\\ 1,611,802\\ 30.3\\ 37.4\\ 6.5\\ 110.0\\ 6.63\\ 10.27\\ 2,420.33\\ 24.43\\ 14.15\end{array}$		$\begin{array}{c} 111.7\\ 18,949\\ 2,102,194\\ 1,293,663\\ 27.4\\ 36.4\\ 8.5\\ 96.5\\ 6.10\\ 11.76\\ 2,227.99\\ 23.95\\ 12.20\\ \end{array}$		198.4 25,392 5,020,875 1,786,138 31.1 37.9 6.2 110.2 6.57 9.45 2,399.17 24,54 15.09	

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Dairy Replacement Heifers -- Average Per Head

	Avg. C All Fari		Low	20%	% High 20%		
Number of farms		357		71		72	
Replacements sold (hd) Transferred out (hd) Cull sales (hd) Other income Purchased (hd) Transferred in (hd) Inventory change (hd) Gross margin	Quantity 0.1 0.4 0.0 0.0 0.6 0.0	Value 58.95 609.82 4.65 1.33 -17.47 -142.63 50.96 565.67	Quantity 0.1 0.4 0.0 0.0 0.5 0.0	Value 38.27 360.71 4.80 0.70 -27.33 -133.05 0.96 245.06	Quantity 0.1 0.5 0.0 0.0 0.6 0.0	Value 49.71 797.14 5.30 -12.95 -155.68 115.31 801.26	
Direct Expenses Protein Vit Minerals (Ib.) Milk Replacer (Ib.) Milk (Ib.) Creep / Starter (Ib.) Complete Ration (Ib.) Corn (bu.) Corn Silage (Ib.) Hay, Alfalfa (Ib.) Hay, Grass (Ib.) Haylage, Alfalfa (Ib.) Other feed stuffs (Ib) Breeding fees Veterinary Supplies Contract production exp. Fuel & oil Repairs Hired labor Bedding Total direct expenses Return over direct expense	378.9 15.2 123.5 654.3 330.4 6.0 4,374.4 756.1 740.4 856.8 1,489.8	95.48 17.34 25.16 4.76 59.42 22.50 79.99 59.18 39.24 32.37 45.51 14.49 17.46 28.16 89.34 20.86 27.81 23.51 21.22 723.80 -158.13	622.1 11.3 108.7 1.4 385.7 8.3 6,193.2 1,698.3 626.7 864.2 1,252.8	$\begin{array}{c} 179.23\\ 22.36\\ 24.00\\ 0.65\\ 52.14\\ 31.62\\ 111.51\\ 130.35\\ 35.46\\ 39.99\\ 52.65\\ 14.67\\ 15.76\\ 38.89\\ 131.11\\ 20.41\\ 27.56\\ 13.34\\ 21.33\\ 963.03\\ -717.97 \end{array}$	250.9 7.5 66.4 1,850.1 295.0 7.0 3,384.9 557.5 667.7 720.6 925.0	$\begin{array}{c} 65.06\\ 10.12\\ 15.29\\ 19.34\\ 59.15\\ 26.52\\ 62.00\\ 48.18\\ 34.98\\ 24.86\\ 25.32\\ 12.24\\ 20.33\\ 28.92\\ 52.73\\ 22.65\\ 25.39\\ 14.41\\ 13.02\\ 580.52\\ 220.74 \end{array}$	
Overhead Expenses Hired labor Building leases Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		31.00 12.11 12.73 15.10 28.92 20.40 120.26 844.06 -278.39		26.82 4.23 9.64 16.24 30.07 24.46 111.46 1,074.50 -829.43		34.64 8.69 14.46 13.27 25.42 20.39 116.87 697.39 103.87	
Labor & management charge Net return over lbr & mgt		38.29 -316.68		41.67 -871.11		37.10 66.77	
Cost of Production Per Head Per Day Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management		2.27 2.60 2.60 2.70		3.06 3.37 3.37 3.48		1.72 2.04 2.04 2.14	
Est. labor hours per unit		7.03		6.39		7.14	
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 Total cost/head sold/trans Feed cost per head per day Avg. purch price / head Avg. sales price / head		$104 \\ 89 \\ 168 \\ 9.0 \\ 480.95 \\ 904.43 \\ 1,853.15 \\ 1.32 \\ 1,339.49 \\ 601.40$		70 60 125 14.0 679.95 1,426.44 2,664.44 1.86 1,647.96 383.23		105 92 163 6.2 390.82 697.89 1,392.99 1.07 592.88 553.25	

Dairy and Repl Heifers -- Average Per Cow

	Avg. All Far		Low	20%	High	20%		
Number of farms		325		65		65		
Milk sold (hd) Dairy Calves sold (hd) Transferred out (hd) Cull sales (hd) Other income Purchased (hd) Transferred in (hd) Inventory change (hd) Gross margin	Quantity 23,508.4 - - - - - - -	Value 5,725.83 155.31 31.76 367.45 34.12 -51.65 -13.75 121.19 6,370.54	Quantity 18,612.6 - - - - - - - -	Value 4,457.09 119.28 22.84 316.43 44.57 -123.98 -25.81 88.48 4,899.03	Quantity 25,374.0 - - - - - - -	Value 6,240.32 151.41 38.91 405.54 -40.96 -8.12 198.68 7,022.74		
Direct Expenses Protein Vit Minerals (Ib.) Complete Ration (Ib.) Corn (bu.) Corn Silage (Ib.) Hay, Alfalfa (Ib.) Haylage, Alfalfa (Ib.) Other feed stuffs (Ib) Breeding fees Veterinary Supplies Contract production exp. Fuel & oil Repairs Custom hire Hired labor Bedding Total direct expenses Return over direct expense	4,359.7 1,736.0 72.1 22,199.8 3,272.7 4,405.0 5,426.2	$\begin{array}{r} 984.11\\ 460.81\\ 273.56\\ 421.40\\ 276.00\\ 176.30\\ 250.35\\ 66.08\\ 128.70\\ 412.68\\ 112.54\\ 130.20\\ 180.41\\ 78.32\\ 282.98\\ 111.65\\ 4.346.10\\ 2.024.44 \end{array}$	4,943.8 2,478.5 63.0 20,872.8 4,039.9 3,084.7 9,302.8	$\begin{array}{c} 979.18\\ 181.24\\ 261.00\\ 380.36\\ 403.35\\ 150.38\\ 397.24\\ 46.30\\ 94.39\\ 342.23\\ 24.08\\ 127.36\\ 173.46\\ 65.81\\ 265.86\\ 98.65\\ 3.990.86\\ 908.17\\ \end{array}$	4,345.0 1,240.9 71.0 22,813.5 3,103.8 3,992.7 5,719.0	$\begin{array}{c} 1,080.94\\ 369.84\\ 275.58\\ 435.62\\ 224.74\\ 182.67\\ 223.28\\ 66.33\\ 123.44\\ 390.33\\ 142.65\\ 136.72\\ 187.39\\ 102.70\\ 226.79\\ 91.22\\ 4,260.23\\ 2,762.52\end{array}$		
Overhead Expenses Hired labor Building leases Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		195.92 60.54 82.26 99.35 189.58 132.18 759.83 5,105.93 1,264.61		80.21 28.11 99.24 166.91 201.33 150.06 725.86 4,716.72 182.31		184.33 78.76 84.13 5667 210.27 103.99 718.15 4,978.38 2,044.37		
Labor & management charge Net return over lbr & mgt		262.53 1,002.08		296.21 -113.90		370.16 1,674.21		
Cost of Production Per Cwt. Of Milk Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management		18.37 21.58 18.98 20.09		21.27 25.14 22.96 24.54		16.74 19.56 16.55 18.01		
Est. labor hours per unit		48.15		50.35		45.99		
Other Information Number of cows Milk produced per cow Total milk sold Lb. of milk sold per FTE Culling percentage Turnover rate Cow death loss percent Percent of barn capacity Feed cost per day Feed cost per cwt. of milk Feed cost per cow Avg. milk price per cwt. Milk price / feed margin		$\begin{array}{r} 181.6\\ 23,658\\ 4,269,408\\ 1,367,022\\ 30.3\\ 37.3\\ 6.5\\ 109.8\\ 7.79\\ 12.02\\ 2,842.53\\ 24.36\\ 12.34\end{array}$		$\begin{array}{c} 109.8\\ 18,765\\ 2,043,054\\ 1,034,976\\ 27.8\\ 36.7\\ 8.3\\ 94.7\\ 7.54\\ 14.67\\ 2,752.74\\ 23.95\\ 9.28 \end{array}$		$\begin{array}{c} 206.5\\ 25,453\\ 5,239,652\\ 1,544,846\\ 31.1\\ 37.8\\ 6.0\\ 1106\\ 7.65\\ 10.97\\ 2,792.67\\ 24.59\\ 13.62\end{array}$		

Dairy Finishing -- Average Per Head

	Avg. All Far	Of ms	Low	20%	High	20%
Number of farms		91 18 Value Quantity Value Qua		-	19	
Dairy Finish sold (lb) Transferred out (lb) Otherincome Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 1,237.5 1.6 -359.1 -25.6 131.3	Value 1,617.36 3.69 19.85 -631.08 -62.59 540.37 1,487.60	Quantity 1,494.0 5.9 -591.9 -9.5 -57.7	Value 1,831.39 8.98 12.46 -952.58 -23.43 192.47 1,069.28	Quantity 1,295.2 1.4 -153.9 -30.7 98.0	Value 1,775.16 9.14 -268.07 -125.84 740.00 2,151.64
Direct Expenses Protein Vit Minerals (lb.) Milk Replacer (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Grass (lb.) DDGS, dry (lb.) DDGS, wet (lb.) Other feed stuffs (lb) Veterinary Supplies Contract production exp. Fuel & oil Repairs Custom hire Bedding Operating interest Total direct expenses Return over direct expense	943.9 11.2 129.9 102.0 2,097.6 311.9 291.4 332.2 922.8	$\begin{array}{c} 181.94\\ 16.84\\ 22.00\\ 391.35\\ 34.54\\ 17.86\\ 21.51\\ 14.49\\ 42.66\\ 22.20\\ 30.95\\ 6.32\\ 20.87\\ 26.91\\ 7.53\\ 15.42\\ 16.17\\ 889.58\\ 598.02 \end{array}$	805.6 1.2 72.9 89.2 3,188.0 172.0 485.5 982.5 958.6	191.47 2.19 11.81 368.13 60.71 14.73 27.32 43.46 33.61 17.40 19.94 21.19 22.03 10.93 2.19 24.72 871.81 197.47	989.9 23.6 443.7 114.8 1,963.4 534.6 482.3 47.4 480.1	170.09 39.40 53.97 419.88 33.75 26.39 47.82 3.44 42.74 24.07 28.74 11.95 17.31 24.01 4.75 15.63 3.19 967.14 1,184.50
Overhead Expenses Hired labor Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		16.17 11.04 10.07 16.99 38.13 18.70 111.10 1,000.68 486.91		18.64 13.96 7.43 28.34 47.71 25.73 141.82 1,013.63 55.65		31.05 6.84 11.20 5.06 38.63 13.64 106.42 1,073.56 1,078.08
Labor & management charge Net return over lbr & mgt		57.69 429.22		56.48 -0.82		35.76 1,042.32
Cost of Production Per Cwt. Produced Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management		82.64 91.60 91.52 96.18		109.53 118.98 118.98 122.75		46.26 54.47 54.47 57.22
Est. labor hours per unit		5.03		5.45		4.20
Other Information No. purchased or trans in Number sold or trans out Percentage death loss Avg. daily gain (lb.) Lb. of conc / lb. of gain Lb. of feed / lb. of gain Feed cost per cwt. of gain Feed cost per cwt. of gain Feed cost per head Average purchase weight Avg wgt / Dairy Finish sold Avg purch price / head Avg sales price / cwt.		149 123 3.0 2.50 7.50 9.10 74.27 743.19 411 1,418 723.11 130.69		180 176 2.1 2.47 8.81 10.79 88.50 753.43 587 1,396 944.07 122.58		128 107 3.6 2.33 6.92 8.17 68.30 837.49 243 1,466 423.38 137.05

Dairy Finishing -- Average Per Cwt. Produced

	Avg. C All Fam		Low	20%	High 2	0%
Number of farms		91		18		19
Dairy Finish sold (lb) Transferred out (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 123.67 0.16 -35.89 -2.56 13.12	Value 161.63 0.37 1.98 -63.07 -6.25 54.00 148.66	Quantity 175.49 0.70 -69.52 -1.11 -6.77	Value 215.11 1.05 1.46 -111.89 -2.75 22.61 125.59	Quantity 105.64 0.12 -12.55 -2.50 7.99	Value 144.78 0.75 1.73 -21.86 -10.26 60.35 175.48
Direct Expenses Protein Vit Minerals (lb.) Milk Replacer (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Grass (lb.) DDGS, dry (lb.) DDGS, wet (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Bedding Operating interest Total direct expenses Return over direct expense	94.33 1.12 12.98 10.20 209.63 31.17 29.12 33.20 92.22	$18.18 \\ 1.68 \\ 2.20 \\ 39.11 \\ 3.45 \\ 1.79 \\ 2.15 \\ 1.45 \\ 4.26 \\ 2.22 \\ 3.72 \\ 2.09 \\ 2.69 \\ 0.75 \\ 1.54 \\ 1.62 \\ 88.90 \\ 59.76 \\ 1.59 \\ 1.54 \\ 1.62 \\ 1.62 \\ 1.62 \\ 1.54 \\ 1.62 \\ 1.62 \\ 1.54 \\ 1.62 \\ 1.54 \\ 1.62 \\ 1.54 \\ 1.62 \\ 1.54 \\ 1.62 \\ 1.54 \\ 1.62 \\ 1.54 \\ 1.62 \\ 1.54 \\ 1.62 \\ 1.54 \\ 1.62 \\ 1.54 \\ 1.62 \\ 1.54 \\ 1.62 \\ 1.54 \\ 1.62 \\ 1.54 \\ 1.62 \\ 1.54 \\ 1.62 \\ 1.54 \\ 1.5$	94.62 0.14 8.56 10.47 374.45 20.20 57.03 115.41 112.60	$\begin{array}{c} 22.49\\ 0.26\\ 1.39\\ 43.24\\ 7.13\\ 1.73\\ 3.21\\ 5.10\\ 3.95\\ 2.04\\ 2.34\\ 2.49\\ 2.59\\ 1.28\\ 0.26\\ 2.90\\ 102.40\\ 23.19\end{array}$	80.74 1.92 36.19 9.36 160.13 43.60 39.33 3.87 39.16	$\begin{array}{c} 13.87\\ 3.21\\ 4.40\\ 34.24\\ 2.75\\ 2.15\\ 3.90\\ 0.28\\ 3.90\\ 1.96\\ 3.32\\ 1.41\\ 1.96\\ 0.39\\ 1.27\\ 0.26\\ 78.88\\ 96.61\end{array}$
Overhead Expenses Hired labor Farm insurance Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		1.62 1.10 3.81 2.88 11.10 100.00 48.66		2.19 1.64 3.33 5.60 3.90 16.66 119.06 6.54		2.53 0.56 0.41 3.15 2.03 8.68 87.56 87.93
Labor & management charge Net return over lbr & mgt		5.77 42.89		6.63 -0.10		2.92 85.01
Cost of Production Per Cwt. Produced Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management		82.64 91.60 91.52 96.18		109.53 118.98 118.98 122.75		46.26 54.47 54.47 57.22
Est. labor hours per unit		0.50		0.64		0.34
Other Information No. purchased or trans in Number sold or trans out Percentage death loss Avg. daily gain (lb.) Lb. of conc / lb. of gain Lb. of feed / lb. of gain Feed cost per cwt. of gain Feed cost per head Average purchase weight Avg wgt / Dairy Finish sold Avg sales price / head Avg sales price / cwt.		$\begin{array}{c} 149\\ 123\\ 3.0\\ 2.50\\ 7.50\\ 9.10\\ 74.27\\ 743.19\\ 411\\ 1.418\\ 723.11\\ 130.69\end{array}$		180 176 2.1 2.47 8.81 10.79 88.50 753.43 587 1,396 944.07 122.58		$\begin{array}{c} 128 \\ 107 \\ 3.6 \\ 2.33 \\ 6.92 \\ 8.17 \\ 68.30 \\ 837.49 \\ 243 \\ 1.466 \\ 423.38 \\ 137.05 \end{array}$

Summary Tables

Financial Summary by Years

A better picture of the current financial performance can be seen by comparing this year to previous years in the *Summary by Years* table. All items are taken from the annual report for that year. Monetary values are left in nominal terms unadjusted for inflation. The one exception is the *Net Farm Income (Constant \$)* using the Consumer Price Index (CPI-U) from the U.S. Department of Commerce. This shows the changes in "buying power" for the farmers, compared to the current year. The CPI used is reported below.

	CPI-U		CPI-U
Year	<u>1982-84=100</u>	Year	<u>1982-84=100</u>
1995	152.4	2005	195.3
1996	156.9	2006	201.6
1997	160.5	2007	207.3
1998	163.0	2008	215.3
1999	166.6	2009	214.5
2000	172.2	2010	218.1
2001	177.1	2011	224.9
2002	179.9	2012	229.6
2003	184.0	2013	233.0
2004	188.9	2014	236.7

Financial Summary by Farm Size (Gross Farm Income)

This table summarizes whole-farm financial performance by size of farm. Farms are categorized based on gross farm income.

Financial Summary by Farm Type

This table summarizes whole-farm financial performance by type of farm. Farm type is assigned based on greater than 70 percent of sales from that commodity or combination of commodities.

Financial Summary by Debt To Asset Ratio

This table summarizes whole-farm financial performance by debt level. Farms are categorized based on total farm and nonfarm Debt To Asset Ratio.

Financial Summary by Age of Operator

This table summarizes whole-farm financial performance based on age of the primary operator.

SUMMARY OF THE WHOLE FARM ANALYSIS BY YEARS Southwestern Minnesota Farm Business Management Association (Overall averages for all farms reporting)

Row	Items	1995	1996	1997	1998	1999	2000	2001	2002	2003
1 Nu	mber of Farms	216	203	208	210	216	212	207	188	175
Far	m Income Statement									
2	Gross Cash Farm Income	346,838	382,502	359,710	369,573	388,731	422,897	433,698	428,084	504,022
3	Total Cash Farm Expense	277,214	299,610	303,241	305,344	324,802	348,711	358,506	352,995	400,605
4	Inventory Change	16,939	12,231	19,769	-21,057	15,633	25,296	-17,297	19,571	18,977
5	Depr. & Cap. Adj.	-29,288	-32,424	-35,640	-34,557	-35,800	-17,731	-21,280	-24,654	-25,990
6	Net Farm Income from Operations	57,276	62,699	40,598	8,616	43,762	81,750	36,614	70,007	96,404
7	Gain of Loss on Capital Sales	0	0	0	0	0	0	0	0	0
8	Net Farm Income	57,276	62,699	40,598	8,616	43,762	81,750	36,614	70,007	96,404
9 Net	t Farm Income (Constant \$)	88,958	94,588	59,873	12,512	62,176	112,371	48,936	92,110	124,015
Pro	fitability*									
10	Rate of Return on Assets (%)	10	10	6	2	7	12	6	9	11
11	Rate of Return on Equity (%)	13	12	5	-6	7	19	4	11	16
12	Operating Profit Margin (%)	22	21	14	4	16	27	14	20	24
13	Asset Turnover Rate (%)	46	48	44	39	43	45	39	44	44
14	Value of Farm Production	247,690	277,026	262,396	250,717	274,411	313,232	282,583	345,743	379,505
15	Farm Interest Paid	22,084	22,337	22,282	25,358	27,488	27,002	27,203	26,739	25,262
Lia	uidity, Repayment and Efficiency									
16	Current Ratio	1.9	2.0	1.6	1.5	1.6	1.7	1.5	1.6	1.7
10	Working Capital	106,941	118,955	91,023	76,325	95,737	112,896	83,500	117,135	143,632
18	Working Capital to Gross Revenue (%)	29	30	25	21	24	25	20	25	28
19	Term Debt Coverage Ratio	n/a	n/a	2.2	1.6	1.9	2.3	1.0	1.6	2.2
20	Operating Expense Ratio (%)	70.0	69.6	73.3	80.5	73.1	71.4	79.5	73.6	71.5
20	Interest Expense Ratio (%)	6.1	5.8	6.2	7.5	6.7	6.2	6.6	5.8	4.8
Sol	vency (Year-end, Sole Proprietors Only)*									
22	No. of Sole Proprietors	184	173	180	183	185	181	178	161	149
22	Total Assets	944,208	982,750	1,016,308	1,066,565	1,061,579	1,150,838	1,158,071	1,277,823	1,407,919
23 24	Total Liabilities	452,253	462,505	490,140	522,994	517,040	545,689	539,918	578,253	619,279
24 25	Net Worth	491,955	520,245	526,168	543,571	544,539	605,149	618,197	699,570	788,640
26	Debt to Asset Ratio (%)	48 48	47	48	49	49	47	47	45	44
Acr	reage Information									
27	Total Acres Owned	256	249	233	250	241	250	252	265	263
28	Total Crop Acres Farmed	625	658	648	697	709	730	759	784	794
29	Crop Acres Owned	211	204	200	219	204	214	214	226	239
30	Crop Acres Cash Rented	340	384	381	402	430	445	468	490	489
31	Crop Acres Share Rented	74	70	67	76	75	70	77	68	67
Cre	p Yields									
	Corn per acre (bu.)	119	133	126	161	156	150	128	151	157
32 33	Soybeans per acre (bu.)	43	42	42	49	45	46	42	49	39
Ore	n Drives Dessived (such asks)									
34	p Prices Received (cash sales) Corn per Bushel	2.30	3.04	2.39	1.97	1.66	1.68	1.72	1.95	2.07
	•	5.56			5.72	4.59		4.32		5.73
35	Soybeans per Bushel	00.0	6.84	7.13	0.72	4.09	4.57	4.32	4.57	5.73
	usehold Information	454	404	400	400	405	400	40.4	400	400
36	No. Farms Reporting HseHld Info	151	131	123	122	125	120	124	108	102
37	Average Family Size	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.6	3.4
38	Family living expense	30,439	32,509	34,284	34,097	35,186	38,932	39,793	41,882	43,383
39	Total Family Use of Cash	43,315	47,584	58,051	48,197	50,326	62,349	63,980	51,826	68,470
40 Net	Nonfarm Income	14,279	13,506	13,596	15,580	18,430	21,436	20,082	20,846	22,480

Beginning in 1993, profitability is analyzed using assets valued at adjusted cost basis while solvency is at estimated fair market value. Prior to 1993, profitability and solvency were analyzed using land valued with a conservative market value and all other assets valued at cost basis.

*

SUMMARY OF THE WHOLE FARM ANALYSIS BY YEARS (continued) Southwestern Minnesota Farm Business Management Association (Overall averages for all farms reporting)

2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Row
125	107	110	107	99	95	97	107	110	117	109	1
.20						0.					
496,771	579,201	609,886	731,897	876,375	878,404	970,471	1,150,686	1,332,519	1,285,081	1,086,085	2
404,743	477,476	494,409	592,841	720,364	743,487	781,053	898,752	1,057,018	1,029,631	856,705	3
31,076	74,307	66,397	135,843	70,051	-21,159	178,977	136,582	157,209	-53,364	-49,479	4
-24,741	-28,170	-27,176	-32,631	-39,437	-43,972	-48,085	-55,244	-66,085	-69,322	-70,801	5
98,362	147,862	154,698	242,267	186,625	69,787	320,310	333,272	366,624	132,764	109,100	6
0	0	0	0	4,276	0	1,855	3,015	10,447	4,404	9,296	7
98,362	147,862	154,698	242,267	190,901	69,787	322,165	336,287	377,071	137,168	118,396	8
123,252	179,206	181,632	276,626	209,876	77,010	349,640	353,931	388,731	139,346	118,396	9
11	14	13	17	11	3	17	16	14	4	3	10
16	21	19	25	15	2	24	21	19	4	3	11
23	28	28	35	26	9	36	35	30	11	10	12
46	51	48	50	43	37	47	46	46	34	34	13
378,450	478,073	512,081	648,768	658,576	608,181	819,691	871,265	1,052,663	819,449	790,270	14
21,824	22,210	27,677	30,714	30,232	29,727	34,124	28,447	27,141	27,405	26,239	15
,= .	,_ · · ·		,	,		• .,	,	,	,	,	
1.9	2.1	2.2	2.5	2.6	2.3	2.9	3.3	3.1	2.7	2.6	16
155,804	218,745	268,567	393,911	446,350	404,104	568,438	659,446	771,719	646,719	562,147	10
30	34	40	46	440,330	404,104	500,430	52	52	52	54	
											18
2.1	3.0	3.1	4.1	2.9	1.1	5.2	5.6	4.6	1.8	1.4	19
72.1	69.2	68.7	64.1	71.6	83.6	64.8	66.9	69.1	81.4	80.0	20
4.2	3.5	4.3	3.7	3.3	3.3	3.0	2.3	1,8	2.2	2.6	21
109	91	93	91	85	80	80	87	85	89	84	22
1,286,775	1,487,232	1,694,428	2,034,365	2,208,883	2,376,886	2,719,826	2,922,324	3,515,081	3,667,344	3,670,892	23
554,962	618,105	698,239	810,184	837,830	892,734	987,753	1,068,183	1,057,882	1,271,925	1,241,969	24
731,813	869,127	996,189	1,224,181	1,371,053	1,484,151	1,732,074	1,854,181	2,288,721	2,395,419	2,428,924	24
43	42	41	40	38	38	36	37	35	2,393,419	2,420,924	
43	42	41	40	30	30	30	37	30	35	- 34	26
000	044	040	0.14	240	050	0.40	000	040	014	000	
236	241	243	241	249	250	240	232	216	211	208	27
766	792	797	825	822	831	831	791	886	845	902	28
193	199	197	208	222	224	221	202	205	203	208	29
494	532	526	546	536	555	550	532	617	592	626	30
79	61	74	71	64	52	61	57	63	50	67	31
171	192	169	162	172	185	184	173	162	175	167	32
41	55	51	49	44	49	51	46	47	52	48	33
2.28	1.89	2.04	3.00	4.51	3.83	3.67	5.29	6.27	6.48	4.35	34
7.17	5.88	5.57	7.14	10.83	10.15	9.72	11.58	13.07	13.97	12.73	34
1.11	0.00	5.57	1.14	10.03	10.15	9.12	06.11	13.07	13.97	12.13	35
70	67	60	60	60	50	40	40	40	20	A 4	~~~
73	67	66	60	62	52	46	43	42	32	41	36
3.4	3.4	3.3	3.1	3.0	3.3	3.0	3.0	2.9	3.0	2.8	37
48,371	50,608	51,569	56,229	59,939	62,182	63,848	73,704	73,904	72,592	73,073	38
68,029	74,513	82,670	98,388	100,933	123,590	108,468	119,913	135,406	159,539	140,853	39
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23,733	24,774	31,059	25,164	28,456	29,369	29,543	35,042	30,841	35,723	42,073	40

Financial Summary Southwest Minnesota Farm Business Management Association (Farms Sorted By Gross Farm Income)

	•					
	Avg. Of All Farms	100,001 - 250,000	250,001 - 500,000	500,001 - 1,000,000	Over 1,000,000	
Number of farms	109	10	26	40	30	
Income Statement						
Gross cash farm income	1,086,085	170,407	369,907	679,166	2,656,972	
Total cash farm expense	856,705	116,375	258,034	473,965	2,214,015	
Net cash farm income	229,380	54,032	111,874	205,200	442,957	
Inventory change	-49,479	18,001	-20,102	-65,106	-81,609	
Depreciation	-70,801	-18,988	-40,043	-66,691	-126,157	
Net farm income from operations	109,099	53,045	51,728	73,404	235,192	
Gain or loss on capital sales	9,296	446	35,989	430	1,864	
Average net farm income	118,396	53,491	87,718	73,834	237,055	
Median net farm income	83,335	44,342	61,599	92,072	140,815	
Profitability (cost)						
Rate of return on assets	3.3 %	5.3 %	2.8 %	1.8 %	4.2 %	
Rate of return on equity	3.0 %	5.7 %	2.1 %	1.1 %	4.4 %	
Operating profit margin	9.6 %	19.9 %	8.9 %	6.4 %	10.8 %	
Asset turnover rate	34.0 %	26.5 %	31.4 %	27.7 %	39.0 %	
Liquidity & Repayment (end of yea						
Current assets	910,597	216,831	358,971	819,000	1,831,596	
Current liabilities	348,450	50,082	156,569	222,061	813,535	
Current ratio	2.61	4.33	2.29	3.69	2.25	
Working capital	562,147	166,749	202,401	596,939	1,018,061	
Working capital to gross inc	54.3 %	85.5 % 2.22	56.7 %	95.6 %	39.9 %	
Term debt coverage ratio Replacement coverage ratio	1.40 0.97	1.34	0.83 0.62	1.34 0.81	1.60 1.19	
Term debt to EBITDA	1.99	1.00	2.45	2.11	1.19	
Solvency (end of year at market)	100	10	20	40	20	
Number of farms	109 3,896,029	10	26 2,298,788	40	30 6,072,318	
Total assets Total liabilities	1,357,656	1,413,665 286,583	792,231	4,182,663 1,257,302	2,448,963	
Net worth	2,538,374	1,127,082	1,506,557	2,925,362	3,623,355	
Total net worth change	139,199	26,254	56,909	222,657	145,262	
Farm debt to asset ratio	37 %	22 %	37 %	32 %	41 %	
Total debt to asset ratio	35 %	20 %	34 %	30 %	40 %	
Change in total net worth %	6 %	2 %	4 %	8 %	4 %	
Nonfarm Information						
Net nonfarm income	42,073	32,110	39,498	53,228	30,427	
Farms reporting living expenses	41	2	11	18	8	
Total family living expense	73,073	-	82,734	68,997	72,698	
Total living, invest, cap. purch	140,853	-	141,937	175,313	87,046	
Crop Acres						
Total crop acres	902	187	467	844	1,679	
Total crop acres owned	208	70	162	222	298	
Total crop acres cash rented	626	117	241	545	1,296	
Total crop acres share rented	67	-	64	77	85	
Machinery value per crop acre	528	549	564	586	482	

Financial Summary Southwest Minnesota Farm Business Management Association (Farms Sorted By Farm Type)

	Avg. Of All Farms	Crop	Hog	Crop and Beef	Othe
Number of farms	109	67	6	5	23
Income Statement					
Gross cash farm income	1,086,085	874,720	4,245,547	841,801	510,219
Total cash farm expense	856,705	664,428	3,689,050	657,966	375,134
Net cash farm income	229,380	210,292	556,497	183,834	135,085
Inventory change	-49,479	-117,155	311,281	-105,858	44,646
Depreciation	-70,801	-69,163	-128,668	-65,926	-50,930
Net farm income from operations	109,099	23,975	739,110	12,050	128,801
Gain or loss on capital sales	9,296	14,519	33	665	1,268
Average net farm income	118,396	38,493	739,143	12,715	130,070
Median net farm income	83,335	48,316	730,903	-1,264	110,596
Profitability (cost)					
Rate of return on assets	3.3 %	-0.6 %	14.6 %	-1.2 %	8.3 %
Rate of return on equity	3.0 %	-2.1 %	20.4 %	-3.6 %	11.3 %
Operating profit margin	9.6 %	-1.8 %	34.6 %	-4.1 %	23.1 %
Asset turnover rate	34.0 %	30.6 %	42.3 %	28.5 %	35.7 %
Liquidity & Repayment (end of year)				
Current assets	, 910,597	895,052	2,478,441	849,859	475,241
Current liabilities	348,450	320,096	1,011,356	285,676	235,093
Current ratio	2.61	2.80	2.45	2.97	2.02
Working capital	562,147	574,957	1,467,085	564,184	240,149
Working capital to gross inc	54.3 %	74.6 %	33.6 %	78.1 %	43.0 %
Term debt coverage ratio	1.40	0.41	4.68	0.48	1.75
Replacement coverage ratio	0.97	0.27	3.55	0.31	1.50
Term debt to EBITDA	1.99	3.31	0.81	3.72	1.88
Solvency (end of year at market)					
Number of farms	109	67	6	5	23
Total assets	3,896,029	4,029,727	7,005,847	2,689,138	2,401,004
Total liabilities	1,357,656	1,362,759	2,899,812	1,142,650	921,117
Net worth	2,538,374	2,666,969	4,106,035	1,546,488	1,479,887
Total net worth change	139,199	93,766	514,298	87,315	145,499
Farm debt to asset ratio	37 %	35 %	42 %	43 %	42 %
Total debt to asset ratio	35 %	34 %	41 %	42 %	38 %
Change in total net worth %	6 %	4 %	14 %	6 %	11 %
Nonfarm Information					
Net nonfarm income	42,073	46,603	6,549	15,756	41,516
Farms reporting living expenses	41	29	2	2	6
Total family living expense	73,073	74,553	-	-	81,693
Total living, invest, cap. purch	140,853	165,268	-	-	116,044
Crop Acres					
Total crop acres	902	1,038	1,056	910	474
Total crop acres owned	208	253	364	36	77
Total crop acres cash rented	626	718	665	655	343
Total crop acres share rented	67	67	26	219	53

Financial Summary Southwest Minnesota Farm Business Management Association (Farms Sorted By Debt to Asset Ratio)

	Avg. Of All Farms	Less than 20%	20% - 40%	40% - 60%	<u> 60% - 80%</u>
Number of farms	109	15	55	23	12
Income Statement					
Gross cash farm income	1,086,085	577,026	1,030,090	1,612,037	1,160,314
Total cash farm expense	856,705	403,733	754,768	1,379,216	1,051,461
Net cash farm income	229,380	173,293	275,322	232,820	108,853
Inventory change	-49,479	-26,295	-52,900	-21,199	-119,066
Depreciation	-70,801	-55,054	-73,254	-88,153	-53,002
Net farm income from operations	109,099	91,944	149,167	123,468	-63,215
Gain or loss on capital sales	9,296	662	556	41,045	2,396
Average net farm income	118,396	92,606	149,723	164,513	-60,819
Median net farm income	83,335	87,039	89,164	86,036	31,613
Profitability (cost)					
Rate of return on assets	3.3 %	2.4 %	4.4 %	3.5 %	-3.7 %
Rate of return on equity	3.0 %	2.3 %	4.7 %	3.3 %	-16.9 %
Operating profit margin	9.6 %	6.9 %	14.3 %	10.5 %	-7.5 %
Asset turnover rate	34.0 %	34.6 %	30.8 %	33.6 %	48.9 %
Liquidity & Repayment (end of year					
Current assets	910,597	732,902	936,327	1,057,646	974,889
Current liabilities	348,450	34,817	232,843	620,535	754,059
Current ratio	2.61	21.05	4.02	1.70	1.29
Working capital	562,147	698,085	703,484	437,111	220,830
Working capital to gross inc	54.3 %	124.3 %	71.4 %	28.2 %	20.6 %
Term debt coverage ratio	1.40	4.09	2.06	1.10	-0.29
Replacement coverage ratio Term debt to EBITDA	0.97 1.99	1.02 0.32	1.32 1.34	0.88 2.48	-0.26 18.60
Solvency (end of year at market)	100	45		00	10
Number of farms	109	15	55	23	12
Total assets Total liabilities	3,896,029 1,357,656	2,861,411 394,424	4,512,654 1,275,058	4,100,911 1,888,598	2,840,387 2,007,713
Net worth	2,538,374	2,466,987	3,237,596	2,212,313	832,674
Total net worth change	139,199	77,110	219,118	99,350	-32,606
Farm debt to asset ratio	37 %	14 %	30 %	47 %	73 %
Total debt to asset ratio	35 %	14 %	28 %	46 %	71 %
Change in total net worth %	6 %	3 %	7 %	5 %	-4 %
Nonfarm Information					
Net nonfarm income	42,073	21,469	49,460	34,030	49,859
Farms reporting living expenses	41	2	24	9	5
Total family living expense	73,073	-	69,376	82,050	89,825
Total living, invest, cap. purch	140,853	-	146,585	113,681	115,943
Crop Acres					
Total crop acres	902	730	848	1,009	1,322
Total crop acres owned	208	109	262	235	105
Total crop acres cash rented	626	573	514	674	1,191
Total crop acres share rented	67	48	72	100	25
Machinery value per crop acre	528	575	565	631	221

Financial Summary Southwest Minnesota Farm Business Management Association (Farms Sorted By Age of Operator)

	Avg. Of All Farms	Less Than 31	31 - 40	41 - 50	<u> </u>	Over 60
Number of farms	109	7	23	15	28	36
Income Statement						
Gross cash farm income	1,086,085	1,639,053	803,087	597,677	1,164,202	1,302,113
Total cash farm expense	856,705	1,474,870	615,979	431,467	923,884	1,015,235
Net cash farm income	229,380	164,182	187,108	166,211	240,318	286,878
Inventory change	-49,479	-281,190	-32,187	-65,557	16,352	-59,976
Depreciation Net farm income from operations	-70,801	-56,007 -173,016	-64,975	-57,192	-76,405	-78,711
Gain or loss on capital sales	109,099 9,296	-173,016 1,941	89,946 717	43,462 662	180,266 33,886	148,190 681
Average net farm income	118,396	-171,075	90,662	44,124	214,151	148,871
Median net farm income	83,335	9,345	87,429	71,309	95,351	77,140
Profitability (cost)						
Rate of return on assets	3.3 %	-7.7 %	3.7 %	0.2 %	6.1 %	4.0 %
Rate of return on equity	3.0 %	-24.6 %	3.5 %	-0.8 %	7.2 %	4.1 %
Operating profit margin	9.6 %	-14.0 %	10.0 %	0.8 %	17.9 %	12.9 %
Asset turnover rate	34.0 %	55.2 %	37.1 %	27.7 %	34.3 %	30.7 %
Liquidity & Repayment (end of ye						
Current assets	910,597	1,296,698	577,825	810,155	1,071,550	964,791
Current liabilities Current ratio	348,450 2.61	945,273 1.37	200,643 2.88	209,152 3.87	348,548 3.07	384,797 2.51
Working capital	562,147	351,425	377,182	601,003	723,002	579,994
Working capital to gross inc	54.3 %	25.1 %	49.3 %	107.7 %	62.4 %	46.7 %
Term debt coverage ratio	1.40	-0.89	1.63	0.49	2.16	1.64
Replacement coverage ratio	0.97	-0.85	1.21	0.32	1.38	1.12
Term debt to EBITDA	1.99	-18.35	1.85	2.39	1.42	1.62
Solvency (end of year at market)						
Number of farms	109	7	23	15	28	36
Total assets	3,896,029	3,396,269	2,286,468	3,595,427	3,974,141	5,086,034
Total liabilities	1,357,656	2,415,758	935,720	1,083,273	1,330,648	1,556,816
Net worth	2,538,374	980,511	1,350,748	2,512,154	2,643,493	3,529,218
Total net worth change Farm debt to asset ratio	139,199 37 %	-82,816 74 %	112,823 42 %	48,757 32 %	167,154 34 %	215,160 33 %
Total debt to asset ratio	35 %	74 %	41 %	30 %	33 %	31 %
Change in total net worth %	6 %	-8 %	9 %	2 %	7 %	6 %
Nonfarm Information						
Net nonfarm income	42,073	38,757	42,918	48,507	30,331	48,630
Farms reporting living expenses	41	2	8	3	14	14
Total family living expense	73,073	-	61,683	-	74,695	73,977
Total living, invest, cap. purch	140,853	-	84,708	-	172,007	144,668
Crop Acres		4.000	-10			000
Total crop acres	902	1,929	710	800	899	868
Total crop acres owned	208 626	130 1,789	71 529	181 563	212 612	319 500
Total crop acres cash rented Total crop acres share rented	67	1,789	529 110	56	75	500 49
Machinery value per crop acre	528	157	664	547	600	553
	020			0.11		000

Appendix I Whole Farm Analysis Procedures and Measures

The whole-farm reports include summary financial statements and measures for all farms included in this report. Rounding of individual items may have caused minor discrepancies between those items and the printed totals which are calculated before rounding.

Financial Summary

This table summarizes key measures reported in several of the following tables.

Income Statement

This section summarizes key totals from the Income Statement table. Average Net Farm Income is the mean or average farm earnings of the group calculated on an accrual adjusted basis. Median Net Farm Income is the farm earnings of the median or middle farm in the group. If it is lower than the average, the average earnings are skewed because some farms had much higher earnings than the rest of the group. If it is higher than the average, the average earnings are skewed because some farms had much higher earnings than the rest of the group.

Profitability

See the Profitability Measures section below for an explanation of these measures.

Liquidity and Repayment

See the Financial Standards Measures and Liquidity Measures sections below for an explanation of these measures.

Solvency

This section summarizes key measures from the Balance Sheet reports.

Nonfarm Information

This section summarizes non-farm earnings for all farms and family living withdrawals for those sole proprietors who kept accurate family living records. More detail is included on the Household and Personal Expenses and Nonfarm Summary pages.

Crop Acres

This section summarizes acres used for cropping from the Crop Production and Marketing table.

Financial Standards Measures

This table contains the Farm Financial Standards Council's 21 financial measures for evaluating a farm's financial position and performance.

Liquidity

Current Ratio is calculated by dividing the total current farm assets by the total current farm liabilities.

Working Capital is calculated by subtracting current farm liabilities from current farm assets.

Working Capital to Gross Income is Working Capital divided by Gross Revenues (accrual).

Solvency

Farm Debt to Asset Ratio is calculated by dividing the total farm liabilities by the total farm assets. It measures the proportion of farm assets financed by debt capital.

Farm Equity to Asset Ratio is calculated by dividing farm equity or net worth by the total farm assets. It measures the proportion of the farm assets financed by the owner's equity as opposed to debt. This is the opposite of the debt to asset ratio. These two measures always add up to 100% because they describe how total farm assets are financed.

Farm Debt to Equity Ratio measures farm debt relative to farm equity. It is calculated by dividing the total farm liabilities by the total farm net worth. The debt to equity ratio measures the amount of borrowed capital being employed for every dollar of equity capital.

Profitability

Rate of Return on Farm Assets can be thought of as the average interest rate being earned on all investments in the farm or ranch business. If assets are valued at market value, the rate of return on assets can be looked at as the "opportunity cost" of farming versus alternate investments. If assets are valued at cost value, the rate of return on assets more closely represents the actual return on the average dollar invested in the farm. The rate of return on farm assets is calculated as follows: Rate of Return on Assets = Return on Farm Assets ÷ Average Farm Investment, where: Return on Farm Assets = Net Farm Income + Farm Interest - Value of Operator's Labor & Management, and Average Farm Investment = (Beginning Total Farm Assets + Ending Total Farm Assets) ÷ 2.

Rate of Return on Farm Equity represents the interest rate being earned on farm net worth. If assets are valued at market value, this return can be compared to returns available if the assets were liquidated and invested in alternate investments. If assets are valued at cost value, this more closely represents the actual return on the funds that have been invested or retained in the business. The rate of return on farm equity is calculated as follows: Rate of Return on Equity = Return on Farm Equity \div Average Farm Net Worth, where: Return on Farm Equity = Net Farm Income - Value of Operator's Labor & Management, and Average Farm Net Worth = (Beginning Farm Net Worth) \div 2.

Operating Profit Margin is a measure of the operating efficiency of the business. It is calculated as follows: Operating Profit Margin = Return to Farm Assets \div Value of Farm Production. If expenses are held in line relative to the value of output produced, the farm will have a healthy operating profit margin. A low net profit margin may be caused by low prices, high operating expenses, or inefficient production.

Net Farm Income represents the returns to unpaid labor, management, and equity capital invested in the business.

EBITDA is Earnings Before Interest, Taxes, Depreciation and Amortization. It is Net Farm Income from Operations from the income statement plus interest expense and depreciation expense. This measure is common in commercial financial analysis but is not commonly used in agriculture.

Repayment Capacity

Capital Debt Repayment Capacity is Net Farm Income From Operations plus Depreciation, Personal Income, and Interest on Term Debt minus Family Living/Owner Withdrawals, Payments on Personal Debt and Income Taxes Paid. This represents total earnings available for debt repayment and cash capital replacement.

Capital Debt Repayment Margin is *Capital Debt Repayment Capacity* minus *Scheduled Term Debt Payments*. This is the amount by which earnings available for debt repayment exceeded payments due.

Replacement Margin is *Capital Debt Repayment Margin* minus *Cash Replacement Allowance*. This is the amount by which earnings available for debt repayment and replacement exceed payments due and cash replacement needs.

Term Debt Coverage Ratio measures whether the business generated enough income to cover term debt payments. It is calculated by dividing the funds generated by the business for debt repayment (net cash farm income + nonfarm income + interest expense - family living expense - income taxes) by total term debt payments (annual scheduled principal and interest payments on intermediate and long term debt). A ratio less than 1.0 indicates that the business did not generate sufficient cash to meet scheduled payments in the past year. A ratio greater than 1.0 indicates the business generated enough cash to pay all term debt payments.

Replacement Coverage Ratio measures whether the business generated enough income to cover scheduled term debt payments plus estimated cash capital replacement needs. A ratio less than 1.0 indicates that the business did not generate sufficient income to meet replacement needs. A ratio greater than 1.0 indicates the business generated enough income to pay all term debt payments and cover an allowance for capital replacement.

Efficiency

Asset Turnover Rate is a measure of efficiency in using capital. It is calculated as follows: Asset Turnover Rate = Value of Farm Production ÷ Total Farm Assets.

The last four ratios reflect the distribution of gross income to cover operating expenses and generate farm income. The sum of the operating expense ratio, the depreciation expense ratio, and the interest expense ratio equals the percent of gross income used to pay business expenses. The amount remaining is net farm income. The gross farm income used to calculate these ratios is the accrual gross farm income.

Operating Expense Ratio is calculated as (Total Farm Operating Expense - Farm Interest Expense) ÷ Gross Farm Income. This ratio indicates the percent of the gross farm income that was used to pay operating expenses. Total farm operating expense is the accrual total operating expense.

Depreciation Expense Ratio is calculated as Depreciation ÷ Gross Farm Income. This ratio indicates the percent of the gross farm income that was used to cover depreciation and other capital adjustments.

Interest Expense Ratio is calculated as Farm Interest Expense ÷ Gross Farm Income. This ratio indicates the percent of the gross farm income used for farm interest expenses. This is the same ratio as the accrual interest as a percent of income from the Liquidity table.

Net Farm Income Ratio is calculated as Net Farm Income ÷ Gross Farm Income. This ratio indicates the percent of the gross farm income that remained after all expenses.

Farm Income Statement

The Farm Income Statement is a summary of income, expenses, and resultant profit or loss from farming operations during the calendar year. The first section lists cash farm income from all sources. The second section lists *cash* expenses. "Interest" includes only interest actually paid. No opportunity charges on farm equity capital or unpaid labor are included. The difference between *Gross Cash Farm Income* and *Total Cash Expense* is the *Net Cash Farm Income*. This is net farm income on a *cash* basis.

The third and fourth sections deal with noncash changes in the farm business. The *Inventory Changes* and *Depreciation* sections are used to convert the cash income statement (Net Cash Farm Income) derived from the first two sections into an accrual income statement. The resulting "Net Farm Income" represents the return to the operator's and family's unpaid labor, management, and equity capital (net worth). In other words, it represents the return to all of the resources which are owned by the farm family and, hence, not purchased or paid a wage. However, it does not include any asset appreciation, debt forgiveness or asset repossessions.

Profitability Measures

Profitability is measured using assets valued first at cost and then at market. The reports include five measures of profit followed by the values used to calculate the measures.

Net Farm Income is repeated from the Farm Income Statement report. When assets are valued at market, it includes the change in market valuation of capital for the year.

Rate of Return on Assets is the Return to Farm Assets divided by Average Farm Assets.

Rate of Return on Equity is the Return to Farm Equity divided by Average Farm Equity.

Operating Profit Margin is the Return to Farm Assets divided by Value of Farm Production.

Asset Turnover Rate is the Value of Farm Production divided by Average Farm Assets.

Farm Interest Expense is the accrued interest cost so it will be different from the cash interest paid shown in the Farm Income Statement.

Value of Operator's Labor and Management is its opportunity cost. It is assigned by farm within suggested guidelines.

Return on Farm Assets is calculated by adding Farm Interest Expense and Net Farm Income and then subtracting the Value of Operator's Labor and Management.

Average Farm Assets is the average of beginning and ending total farm assets for all farms, not just those included in the Balance Sheet report.

Return to Farm Equity is calculated by subtracting the Value of Operator's Labor and Management from Net Farm Income.

Average Farm Equity is the average of beginning and ending farm net worth.

Value of Farm Production is gross farm income minus feeder livestock and feed purchased and adjusted for inventory changes in crops, market livestock and breeding livestock.

Liquidity and Repayment Capacity Measures

Current Ratio is total Current Assets divided by total Current Liabilities.

Working Capital is total Current Assets minus total Current Liabilities.

Working Capital to Gross Income is Working Capital divided by Gross Revenues (accrual).

Current Assets are taken from the ending balance sheet and include all assets that will be sold or used up in production within one business year.

Current Liabilities are taken from the ending balance sheet and include all loans and other debt due to be repaid within one business year. Principal due within a twelve months on intermediate and long term loans is included.

Gross Revenues (accrual) is gross cash farm income from the income statement adjusted for inventory changes in crops and feed, market livestock, accounts receivable, hedging accounts, breeding livestock and other income related inventories.

Net Farm Income from Operations is from the Income Statement.

Depreciation is the total depreciation from the Income Statement. It is added as a source of repayment because it is a non-cash expense that was subtracted to arrive at *Net Farm Income From Operations*.

Personal Income is the average for all farms, not including Gifts and Inheritances.

Family Living/Owner Withdrawals is the amount of owner withdrawals for family living, partnership withdrawals, and corporate dividends. Reported withdrawals are adjusted to include any discrepancy with actual cash disappearance.

Payments on personal debt is the total principal payments made during the year on all non-farm loans.

Income Taxes Paid are total federal, state, and social security taxes paid during the year on farm and personal earnings.

Interest on Term Debt is the amount of interest paid on intermediate and long term loans during the year. Interest is added as a source of repayment because it was previously subtracted to arrive at *Net Farm Income from Operations*.

Capital Debt Repayment Capacity is Net Farm Income From Operations plus Depreciation, Personal Income, and Interest on Term Debt minus Family Living/Owner Withdrawals, Payments on Personal Debt and Income Taxes Paid. This represents total earnings available for debt repayment and cash capital replacement.

Scheduled Term Debt Payments is the scheduled amount of principal and interest payments due on farm intermediate and long term loans from the beginning balance sheet.

Capital Debt Repayment Margin is *Capital Debt Repayment Capacity* minus *Scheduled Term Debt Payments*. This is the amount by which earnings available for debt repayment exceeded payments due.

Cash Replacement Allowance is the estimated amount of cash needed to cover the portion of capital replacement needs that normally come from cash flow. It is estimated for each operator based on their financial structure.

Replacement Margin is *Capital Debt Repayment Margin* minus *Cash Replacement Allowance*. This is the amount by which earnings available for debt repayment and replacement exceed payments due and cash replacement needs.

Term Debt Coverage Ratio is *Capital Debt Repayment Capacity* divided by *Scheduled Term Debt Payments*. This is how many times scheduled payments are covered by repayment capacity.

Replacement Coverage Ratio is *Capital Debt Repayment Capacity* divided by the total of *Scheduled Term Debt Payments* and the *Cash Replacement Allowance*. This represents how many times scheduled payments and cash replacement needs are covered by repayment capacity.

Balance Sheets at Cost and Market Values

These tables include all farm and personal assets and liabilities reported by these farms on their beginning and ending balance sheets. Government crop loans are treated consistently as loans on these tables, meaning that the full asset value is included as an asset and total accrued interest and outstanding principal balances are included as liabilities. Capital assets are valued at original purchase price minus economic depreciation on the Cost Value table. Assets are valued at a

conservative market value on the Market Value table. Deferred liabilities are included on the Market Value table. Deferred liabilities are an estimate of the taxes that would be due if the business was liquidated on the date of the balance sheet.

Statement of Cash Flows

This table reports the sources from which cash was available or obtained and where that cash was used or remains at the end of the year.

Crop Production and Marketing Summary

This table contains three sections. The first section reports average acreage by tenure and general use. The next two sections show average price received from cash sales and average yields for major crops.

Household and Personal Expenses

For those farms that kept records, the household and personal expenses are summarized in this table. Since not all farms keep these records, the number of farms may be different for each group. Averages are determined by the number of farms keeping these records.

Operator and Labor Information

This table has four sections. The first reports the averages for the number of operators per farm, the operator's age, and the number of years farming. The second section reports various measures and results per operator compared to per farm in other reports.

The third section reports the amount of labor used and the returns to that labor. *Total Unpaid Labor Hours* and *Total Hired Labor Hours* are based on farmers' estimates of labor use. No labor records are kept for unpaid labor. *Value of Farm Production/Hour* is the Value of Farm Production divided by Total Labor Hours per Farm. *Net Farm Income/Unpaid Hour* is Net Farm Income divided by Total Unpaid Labor Hours.

The fourth section reports the number of partnerships and withdrawals in each grouping.

Nonfarm Summary

This table reports the income from nonfarm sources which is included in a farmer's total net income. Not all farms have nonfarm income, but the figure reported is the average over all farms not just those reporting nonfarm income. Also reported are the beginning and ending values for nonfarm assets for all farms (not just sole proprietors).

Appendix II Crop Enterprise Analysis Procedures and Measures

The Crop Enterprise Analysis tables show the profitability of each crop enterprise produced by five or more farms.

Gross Return is the average Yield multiplied by the Value Per Unit plus any other production or income related to the crop. Value Per Unit for cash crops is the average sales price for crops sold before the end of the year and the average ending inventory value for crops remaining unsold. For feed crops, it is the estimated harvest-time value. LDP payments and other commodity-specific income are added to estimate the total value received for crop production.

Direct Expenses include expenses that are directly related to the production of the specific crop. Most direct expenses are directly assigned to production of the crop and simply divided by acres. Some, such as Fuel and Oil and Repairs, which are difficult to assign directly to specific fields or crops, are determined by allocating the total annual expense across all enterprises using allocation factors entered for each crop.

Overhead Expenses are also determined by allocating the total annual expense across all enterprises using allocation factors entered for each crop.

Net Return per Acre is the Gross Return per Acre minus Total Direct and Overhead Expenses.

Net return with government payments is Net Return per Acre plus Government Payments. Government Payments includes only direct payments and counter-cyclical payments. Payments that are directly attached to production of the crop, such as LDP and disaster payments are included in Gross Return. Because direct government payments have been decoupled from actual production, these payments are generally allocated to all crops excluding vegetables and pasture. This is done for each farm by allocating the direct payments from the whole farm to these crops.

Net Return over Labor and Management is calculated by allocating the farmer's charge for unpaid labor and management across all enterprises and subtracting it from Net Return With Government Payments.

Cost of Production is calculated by dividing the total expense for each category by the yield per acre. *Total Expense Less Government and Other Income* is total expense minus government payments, income from secondary products, and other income, divided by yield per acre.

Machinery Cost Per Acre is the sum of fuel and oil, repairs, custom hire expense, machinery lease payments, machinery depreciation, and interest on intermediate debt divided by acres.

Estimated Labor Hours Per Acre is calculated by allocating the farmer's estimate of total operator and hired labor hours for the year across all enterprises.

Rounding of individual items for the report may have caused minor discrepancies with the calculated totals. If fewer than 5 farms have a certain crop enterprise, that information is not reported. If there are fewer than 25 farms, the high and low groups are not reported.

Appendix III Livestock Enterprise Analysis Procedures and Measures

The Livestock Enterprise Analysis tables show the profitability of each livestock enterprise produced by five or more farms.

Gross Margin includes product and livestock sales, cull sales, the value of offspring transferred out of the enterprise, the value of inventory change from beginning to end of year, and any other income assigned to the enterprise. Livestock purchases and the value of animals transferred in from other enterprises are subtracted.

Direct Expenses include expenses that are directly related to the specific livestock enterprise. Feed and most other direct expenses are directly assigned based on farm records. Some, such as Fuel and Oil and Repairs, which are difficult to assign directly to enterprises, are determined by allocating the total annual expense across all enterprises using allocation factors entered for each farm.

Overhead Expenses are also determined by allocating the total annual expense across all enterprises using allocation factors entered for each farm.

Net Return is the Gross Return minus Total Direct and Overhead Expenses.

Net Return over Labor and Management is calculated by allocating the farmer's charge for unpaid labor and management across all enterprises and subtracting it from Net Return.

Estimated Labor Hours is calculated by allocating the farmer's estimate of total operator and hired labor hours for the year across all enterprises.

Cost of Production is calculated by dividing the total expense for each category by Total Production. For grow/finish enterprises, the Purchases and Transfers In are included in direct expense. Cull sales, other offspring sales, and any other miscellaneous income are subtracted and replacement purchases and transfers in are added to arrive at the cost *With other revenue adjustments. With Labor and Management* is the cost with other revenue adjustments plus the producer's charge for operator's labor and management. This is the breakeven price for the primary product to provide a return for operator labor and management.

The last section of each livestock table contains both economic and technical efficiency measures. *Lbs. feed per lb. of gain* is the pounds of total feed divided by Total production. For grains, these pounds per bushel are used: corn, 56; oats, 32; barley, 48; grain sorghum, 56; wheat, 60; and millet, 48. For these forages, the units are converted to pounds and then adjusted by these factors: alfalfa haylage, 0.5; corn silage, 0.33; oatlage, 0.5; sorghum silage, 0.33; and small grain silage, 0.33.

The calving and weaning percentages are calculated as the number of calves which are calved and weaned, respectively, divided by the number of cows which are supposed to bear young.

Rounding of individual items for the report may have caused minor discrepancies with the calculated totals. If fewer than 5 farms have a certain livestock enterprise, that information is not reported. If there are fewer than 25 farms, the high and low groups are not reported.

Appendix IV Prices Used In the Analysis Report

	Beginning		Ending
Item	Inventory	Feed	Inventory
All Corn/bu.	4.17	3.85	3.80
Oats/bu.	3.90	3.50	3.00
All Wheat/bu.	5.79	5.65	5.19
Soybeans/bu.	12.74	12.26	9.93
Alfalfa hay/t. (avg quality)	160.00	136.00	125.00
Alfalfa haylage/t	69.00	58.00	54.00
Grass/Mixed hay/r	150.00	110.00	85.00
Corn silage/t.	33.00	31.00	30.00
Oats straw/bale/ton	3.75/125	3.75/125	3.75/125
Cornstalks/t.	30.00	30.00	30.00
Oatlage/t.	16.00	25.00	24.00

Enterprise production valued at actual selling price if sold or contracted, inventory price for balance. All feeds are valued on an as fed moisture basis.

Other Prices Used:

Pasture: Value of milk fed calves \$50.00/acre (adjusted for quality and carrying capacity) \$ 1.50/gallon

Depreciation is calculated by using a 5% rate for buildings, 10% for machinery, 20% for beef cattle and sheep and 33% for breeding hogs and dairy cows. The economic depreciation is calculated by taking the beginning cost (book) value, plus new purchases (boot), less book value of sold items multiplied by the appropriate percentage rate.

Value of operator's labor is calculated by using this formula: For sole proprietors and partnerships, labor and management is valued at \$20,000 per operator plus 5% of the value of farm production, with a minimum of \$30,000 for a full-time farm operator.



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This project was partially funded by a National Farm Business Management and Benchmarking Grant from the USDA National Institute of Food and Agriculture.



United States Department of Agriculture National Institute of Food and Agriculture