# SOUTHWESTERN MINNESOTA

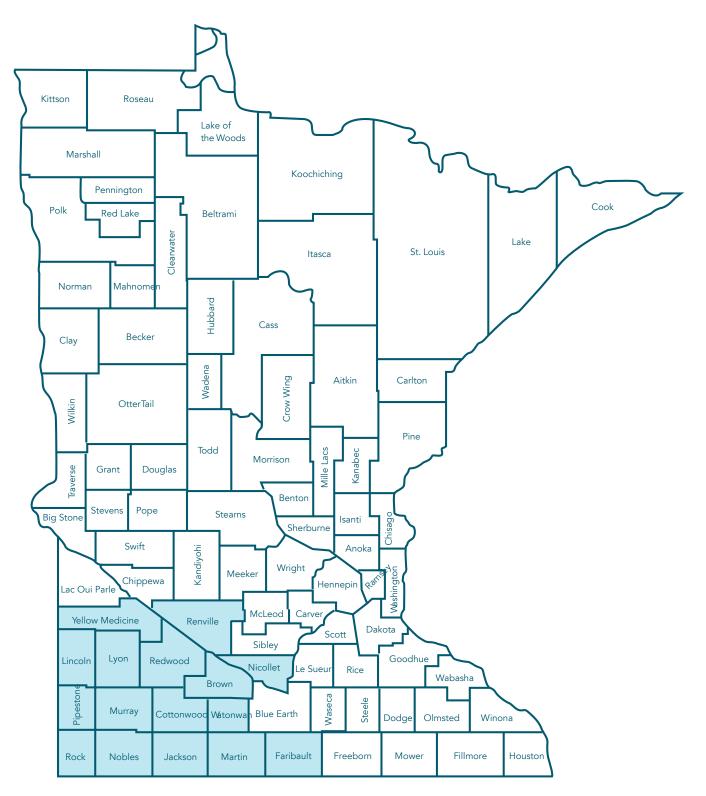
FARM BUSINESS MANAGEMENT ASSOCIATION

# 2017 ANNUAL REPORT



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Department of Applied Economics
University of Minnesota
Saint Paul, MN 55108
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# SOUTHWEST MINNESOTA FARM BUSINESS MANAGEMENT ASSOCIATION

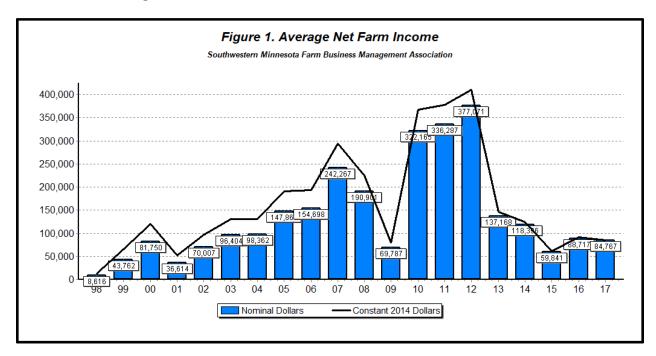


#### Executive Summary

### 2017 Annual Report of the Southwestern Minnesota Farm Business Management Association

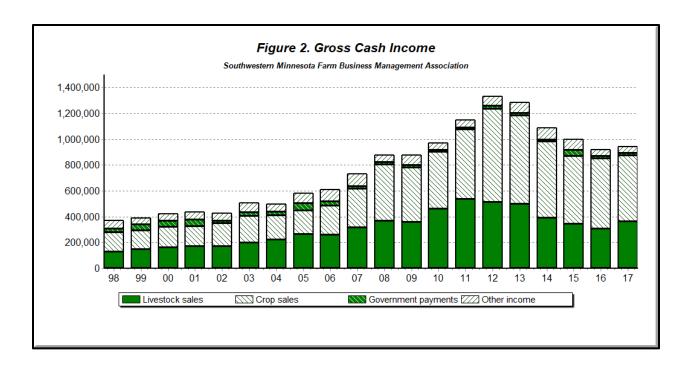
by Pauline A. Van Nurden, Donald L. Nitchie, Garen J. Paulson, Tonya L. Knorr and Dale W. Nordquist

Even with a third consecutive year of record crop yields, profitability decreased slightly for the 104 farms included in the 2017 annual report of the Southwestern Minnesota Farm Business Management Association. The average farm earned \$84,767 in 2017, down from just under \$89,000 in 2016. Earnings received in the recent past are historically low compared to those received in the first half of the decade. The average farm earned a rate of return on assets of only 2%. Crop farm incomes declined due to lower yielding soybeans and lower prices received for corn. Earnings for all types of livestock operations were up somewhat from the previous year, but the median producer earned only \$32,800 from farm operations.

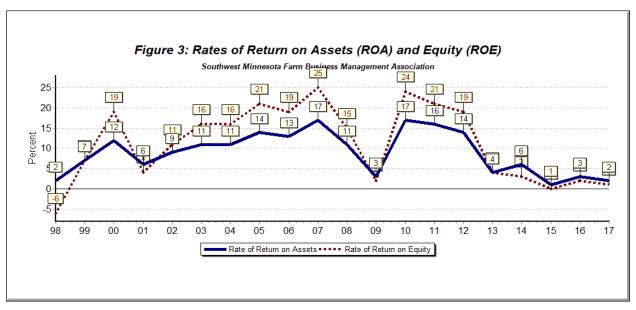


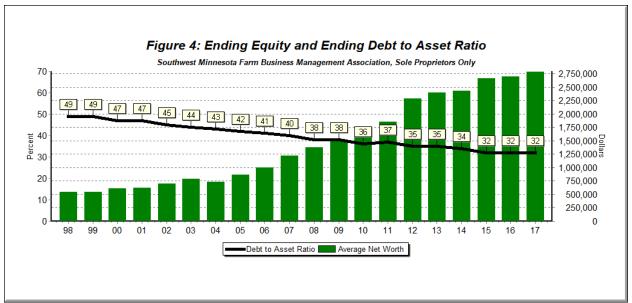
Highlights of association financial results for 2017:

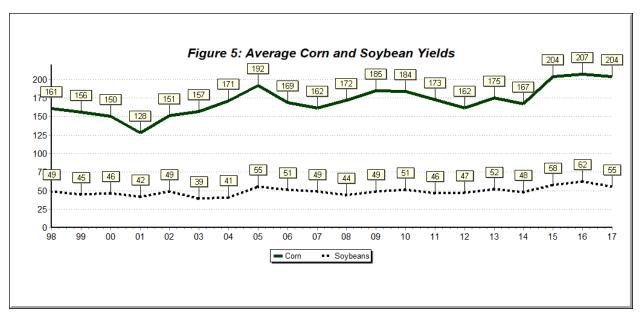
- Median net farm income, or the income earned by the middle farm, was \$40,096. This
  value was below the average net farm income of the group, which is common. This year
  was like most years, where the average net farm income is skewed higher by high profits of
  larger operations.
- As is the case every year, incomes varied widely around the average. The average net farm income for the most profitable 20% of the farms was \$351,021 while the least profitable 20% experienced a loss of \$74,828. While still a serious level of concern, the average loss experienced on the low end was less than the previous year. High yields and increased livestock income likely shielded some of the most vulnerable farms from larger losses.

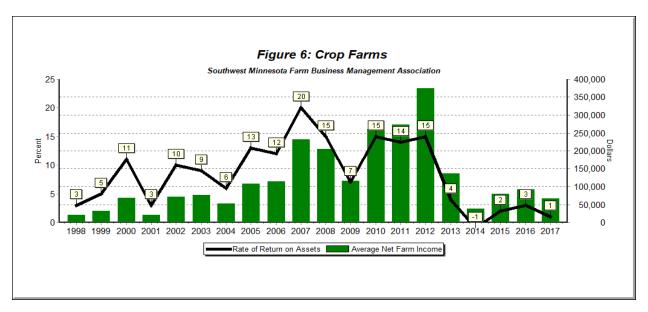


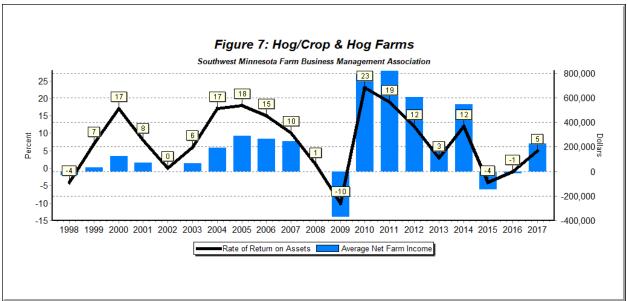
- Average gross cash income was up 3% from 2016, while cash expenses increased by 5%. Crop sales were down 5% while livestock sales increased by 17%.
- Crops accounted for 54% of gross sales while livestock sales were 38% (Figure 2). Government payments decreased by another 16% to \$18,952 per farm. These payments accounted for 2% of gross cash income. Payments reported are those actually accrued to 2016 production. Payments were significantly lower than previous years as most producers received reduced ARC payments for corn and no payments for other crops.
- The average farm earned a rate of return on assets (ROA) of 2% with assets valued at adjusted cost or book value. Rates of return have remained historically low for the last 5 years and fell 1% from 2016. The average rate of return on equity capital (ROE) was 1% (Figure 3).
- The average farm reported net worth growth of \$111,911, of which \$48,000 resulted from farm and non-farm earnings. The remaining \$64,000 resulted from increases in the estimated market value of capital assets.
- Member balance sheets remain strong. The debt-to-asset ratio of the average sole proprietor farm was constant at 32% with assets valued at estimated market value (Figure 4).
- The average farm's working capital eroded by \$11,000 after declining by over \$194,000 since 2014. Working capital for this group has declined by over 50% since the end of 2012. Yet working capital remained relatively strong at 39% of gross revenue.
- Debt repayment capacity declined slightly to an average of 1.27:1, meaning that the average farm generated \$1.27 in income from farm and nonfarm sources for each \$1.00 of scheduled debt payments.

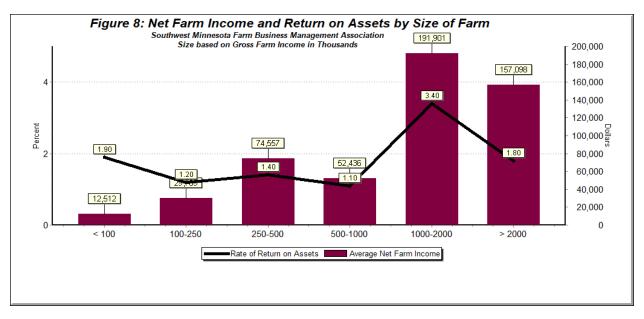












#### **Crops**

- Association members harvested near record crop for the third consecutive year. Corn yields averaged 204 bushels per acre, down from 207 in 2016. By comparison, the average corn yield for the ten prior years was 179 bushels per acre. Soybean yields were also down a bit and averaged 55 bushels per acre compared to 62 in 2016. Soybean yields were 8% higher than the association average for the previous 10 years.
- Crop prices continue to be trend below beginning of the decade levels. The average price received for corn continued its downward descent. The 2017 average price received was \$3.17 per bushel compared to \$3.38 in 2016. Soybeans prices rallied a bit moving to \$9.23 versus \$8.92 in 2016. By year-end, both corn and soybean prices had fallen further, just over \$3.00 for corn and under \$9.00 for soybeans.
- The cost to raise an acre of corn (with land rent) decreased again in 2017, down another 4%. This cost has decreased 15% since 2013. Several major expenses decreased including seed, fertilizer, chemicals, and depreciation. Cash rental rates on corn and soybean acres also continued to decline. The average cash rental rate was \$210 per acre, down almost 5% from 2016.
- The cost to produce a bushel of corn on cash rented land was down slightly at \$3.39. As has been the case since 2015, outstanding yields were the big contributor to low cost per unit. With normal yields of 175 bushels per acre, cost per bushel would have been \$4.02 per bushel. Soybean costs per bushel increased from \$8.62 in 2016 to \$9.51. This large increase is due to the lower yields per acre seen in 2017. These costs include a charge for unpaid labor and management, but do not include a charge for equity capital.

#### Type of Farm

- Crop farm earnings decreased from \$91,000 in 2016 to \$67,000 in 2017. This was true even though gross cash farm income was slightly higher in 2017. The difference was a much larger decrease in inventory values. The value of inventories decreased in both years, but the decline was much less in 2016. The average crop farm earned a 1% rate of return on assets (Figure 6). After all costs of production including the charge for unpaid operator labor and management, member farms lost an average of \$61 per acre on cash rented corn production and another \$30 on rented soybean land.
- Pork producers saw a much more profitable year in 2017, as compared to 2016. 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) made \$226,486 in 2017 as compared to a loss of \$16,373 in 2016. Prices for market hogs increased year over year, increasing to \$54.56 per hundred pounds of live weight in 2017 as compared to the \$52.92 received in 2016. The average pork producer made \$5 for every \$100 of assets invested (Figure 7).
- There were not enough specialized beef or dairy farms to summarize these farms by type.

#### Size of Farm

- Much like the previous year, 2017 was unusual in that net income did not increase with farm size (Figure 8). Farms with gross farm incomes between \$1 million and \$2 million had the highest net farm income while farms that grossed over \$2 million netted somewhat less. This was probably due to the large variability in profitability of the farms grossing over \$2 million. In this group the median net farm income was a \$56,000 loss.
- Rates of return were relatively consistent across size groups. Farms that grossed between \$1 million and \$2 million earned the highest rate of return on assets at 3.4%. The largest farm operations, those that grossed over \$2 million earned rates of return on assets of just 1.8%.

#### **Debt Level**

- Of the 104 farms in the report, 34 had debt-to-asset ratios above 40%, down from 41 the previous year. Only 8 of those farms had debt-to-assets of greater than 60%, down from 14 farms the previous year.
- Those farms with debt-to-assets 40% and higher had far lower average earnings than other farms in the association. This is likely to be expected, those farms with higher debt loads, have higher expenses, and thus lower profitability.

#### **Operator Age**

- There were 15 farms whose principle operator was 31-40 years of age among the 104 farms included in the report. This age group of farmers saw the highest average farm income for the year.
- Earnings did vary greatly with age of operator. As is often the case, the younger producers (those less than 30) saw some of the lowest returns. It is hard to explain why those ages 31-40 were most profitable while those between 41-50 had the lowest earnings.

#### **Projected Profitability**

The Projected Profitability report displays actual results for association members in 2017 along with projected financial results for 2018. Projected results are based on the authors' estimates of changes in revenue, operating expenses, interest rates, and asset values. Assumptions are displayed at the bottom of the page.

- **2017** All Farms Actual Average financial results for all farms in 2017. Balance sheet measures reflect the average position of association farms at the end of the year.
- **2017 Improved Margin Management** 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 more than doubled.

- **2017 SW Association Crop Farms Actual** Average financial results for the 69 crop farms in the association for 2017.
- 2018 SW Association Crop Farms Projected Average net income for member crop farms is expected to increase in 2018 because of slightly increased gross income and decreased operating expenses. Revenue increase is projected to be driven by an increase in crop prices, with a return to trend yields. Expenses are expected to decrease overall slightly again this year.
- 2017 Statewide Livestock Farms Actual Average financial results for the 466 farmers in the statewide database who received a major portion of their income from livestock and milk sales for 2017. This includes farms enrolled in Minnesota State Farm Business Management programs.
- 2018 Statewide Livestock Farms Projected Statewide livestock farm profits are projected to decrease in 2018. Down trending revenue is expected to be driven by reduced profitability for dairy producers. This group is expected to see the largest decrease in revenue for the year, with many producers losing \$2 per hundredweight produced currently. Unfortunately the outlook for the rest of the year does not improve significantly. In addition, income is expected to be down slightly for beef and hog producers. On top of this, feed expense is expected to increase in 2018 with the increase in feed grain prices.

The assumptions used to project these results are subjective. 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.

# 2017 Annual Report of the Southwestern Minnesota<sup>1</sup> Farm Business Management Association

by

by Pauline A. Van Nurden, Donald L. Nitchie, Garen J. Paulson, Tonya L. Knorr and Dale W. Nordquist<sup>2</sup>

This report summarizes the individual farm records of the members of the Southwestern Minnesota Farm Business Management Association for 2017.

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 124 farms in the Southwestern Association, the data for 104 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.

The livestock enterprise summaries include data from both Southwest Minnesota Farm Management Association farms and Minnesota State Farm Business Management program farms. This provides a greater number of instances for each enterprise with the goal of providing more accurate benchmark information. Minnesota State FBM programs are distributed across the state and include over 2,000 participating farms. We thank the Minnesota State FBM program and participating producers for making this data available to be included in this report.

<sup>&</sup>lt;sup>1</sup>This report was partially funded by a Farm Business Management and Benchmarking Grant from the USDA National Institute of Food and Agriculture.

<sup>&</sup>lt;sup>2</sup>Van Nurden and Nordquist are Extension Economists-Center for Farm Financial Management (CFFM), University of Minnesota, Twin Cities; Nitchie is Extension Educator--Farm Management and Fieldmen for the Association; Paulson and Knorr are financial analysts for the Association. Special thanks to Rann Loppnow, Software Development, CFFM; Brittni Lamoreux, Program Associate, CFFM; and Gretchen Thillen, Southwest Research and Outreach Center.

#### **Southwestern Minnesota Farm Business Management Association**

### **Distribution of Membership -- 2017**

	Number of	Number of	
	Farm	Records	
County	Units	Submitted	
Cottonwood	14	12	
Faribault	2	2	
Jackson	16	15	
Lyon	9	3	
Martin	1	1	
Murray	11	16	
Nobles	22	17	
Pipestone	13	12	
Redwood	12	7	
Rock	5	5	
Wabasha	2	3	
Watonwan	8	5	
Others <sup>2</sup>	9	<u>_6</u>	
TOTAL	$1\overline{24}$	$1\overline{04}$	

#### **Officers and Directors**

Mike Metz, President Brent Pohlman, Vice President Ian Sandager, Secretary-Treasurer

The directors of the Southwestern Minnesota Farm Business Management Association for 2017/2018 are: Wesley Beck, Mark Christensen, Jason Diemer, Ben Fast, Ryan Gravenhof and Jason Keller.

### **Southwestern Minnesota Farm Business Management Association**

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### **Whole-Farm Reports**

The whole-farm reports summarize the financial performance of member farms in 2017. Each table includes the average of the 104 farms included in the report and the average 20 percent of the farms with the lowest and highest profits (base on Net Farm Income). 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. All profitability and repayment capacity measures are based on accrual adjusted net farm income.

#### **Financial Standards Measures**

The Farm Financial Standards Council recommends that farms use these twenty-one measures as standard measures of farm financial performance. Many are repeated from the Profitability, Liquidity, and Balance Sheet tables. For a complete description, see the Financial Guidelines for Agricultural Producers at <a href="http://www.ffsc.org/index.php/order-the-guidelines/">http://www.ffsc.org/index.php/order-the-guidelines/</a>

#### Farm Income Statement

The Income Statement calculates the accrual Net Farm Income generated by the average farm for year 2017. Net Farm Income is reported based on accrual adjustments to the cash income and expenses reported for the year. Net Farm Income is the income earned before any compensation for owner labor and management. If owner compensation was included in farm expenses, it has been excluded here to make all farms uniform. Net Farm Income represents the return to the operator's 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. On the cost-based table, intermediate and long term assets are shown at depreciated value using estimated economic, rather than tax, depreciation. 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.

#### **Projected Profitability**

Based on the past year's results and the author's estimates of changes in next year's production, prices and costs, this page projects the financial performance of these farms in the coming year.

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

	Avg. Of All Farms	Low 20%	High 20%
	<u> All Fallis</u>	LOW 20/6	
Number of farms	104	20	21
Income Statement			
Gross cash farm income	941,931	1,503,303	1,751,977
Total cash farm expense	783,231	1,323,350	1,466,157
Net cash farm income	158,700	179,953	285,820
Inventory change	-7,784	-135,260	138,513
Depreciation	-74,624	-120,103	-115,185
Net farm income from operations	76,292	-75,409	309,148
Gain or loss on capital sales	8,475	582	41,873
Average net farm income	84,767	-74,828	351,021
Median net farm income	40,096	-67,427	227,952
Profitability (cost)			
Rate of return on assets	1.9 %	-2.8 %	6.3 %
Rate of return on equity	0.8 %	-10.0 %	7.5 %
Operating profit margin	6.5 %	-8.5 %	22.6 %
Asset turnover rate	29.7 %	32.7 %	27.9 %
Liquidity & Repayment (end of year)			
Current assets	803,844	1,189,167	1,289,018
Current liabilities	436,049	927,377	588,144
Current ratio	1.84	1.28	2.19
Working capital	367,795	261,790	700,874
Change in working capital	-11,429	-72,301	69,527
Working capital to gross inc	39.4 %	19.2 %	37.1 %
Term debt coverage ratio	1.27	0.15	2.76
Replacement coverage ratio	0.84	0.10	2.02
Term debt to EBITDA	2.44	6.79	1.36
Solvency (end of year at market)			
Number of farms	104	20	21
Total assets	4,196,248	5,320,037	6,974,913
Total liabilities	1,505,682	2,500,276	2,235,604
Net worth	2,690,566	2,819,761	4,739,309
Total net worth change	111,911	1,229	353,171
Farm debt to asset ratio	39 %	51 %	35 %
Total debt to asset ratio	36 %	47 %	32 %
Change in total net worth %	4 %	0 %	8 %
Nonfarm Information	00.550	40.000	04.050
Net nonfarm income	38,552	46,923	31,058
Farms reporting living expenses	45	5	10
Total family living expense	69,964	64,259	69,655
Total living, invest, cap. purch	116,348	102,253	152,794
Crop Acres			
Total crop acres	940	1,714	992
Total crop acres owned	233	313	304
Total crop acres cash rented	661	1,322	602
Total crop acres share rented	46	79	86
Machinery value per crop acre	511	443	629

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

	Avg. Of All Farms	Low 20%	High 20%
Number of farms	104	20	21
Liquidity			
Current ratio	1.84	1.28	2.19
Working capital	367,795	261,790	700,874
Working capital to gross inc	39.4 %	19.2 %	37.1 %
Solvency (market)			
Farm debt to asset ratio	39 %	51 %	35 %
Farm equity to asset ratio	61 %	49 %	65 %
Farm debt to equity ratio	0.64	1.02	0.53
Profitability (cost)			
Rate of return on farm assets	1.9 %	-2.8 %	6.3 %
Rate of return on farm equity	0.8 %	-10.0 %	7.5 %
Operating profit margin	6.5 %	-8.5 %	22.6 %
Net farm income	84,767	-74,828	351,021
EBITDA	185,965	116,876	471,580
Repayment Capacity			
Capital debt repayment capacity	109,183	19,214	373,433
Capital debt repayment margin	23,019	-108,694	238,057
Replacement margin	-21,026	-180,669	188,759
Term debt coverage ratio	1.27	0.15	2.76
Replacement coverage ratio	0.84	0.10	2.02
Efficiency			
Asset turnover rate (cost)	29.7 %	32.7 %	27.9 %
Operating expense ratio	80.1 %	91.5 %	75.0 %
Depreciation expense ratio	8.0 %	8.8 %	6.1 %
Interest expense ratio	3.8 %	5.3 %	2.5 %
Net farm income ratio	9.1 %	-5.5 %	18.6 %

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

Cash Farm Income         248,647         419,308         178,967           Com Silage         11,246         -         50,371           Hay, Affalfa         2,571         518         2,464           Hay, Mixed         32,480         166,634         59           Oats         283         -         -           Soybeans         284,444         393,843         201,726           Soybeans Seed         1,045         -         -           Sugar Beets         895         -         -           Sunflowers         90         -         446           Sweet Corn, Processing         692         -         2,411           Wheat, Spring         1,424         4,818         -           Barley         302         -         -           Barley         302         -         -           Beef Bulls         195         1,013         -           Beef Eduls         195         1,013         -           Beef Replacement Heifers         130         675         -           Beef Replacement Heifers         130         675         -           Beef Finishing         410,23         123,149         55,445 </th <th></th> <th>Avg. Of All Farms</th> <th>Low 20%</th> <th>High 20%</th>		Avg. Of All Farms	Low 20%	High 20%
Com         248,647         419,308         178,967           Corn Silage         11,246         -         50,371           Hay, Mixed         32,480         166,634         59           Oats         283         -         -           Soybeans         208,484         393,843         201,728           Soybeans Seed         1,045         -         -           Sugar Beets         895         -         -           Sunflowers         90         -         446           Sweet Corn, Processing         692         -         2,411           Wheat, Spring         1,424         4,818         -           Barley         302         -         -           Miscellaneous crop income         2,946         7,823         521           Beef Bulls         195         1,013         -           Beef Bulls         195         1,013         -           Beef Replacement Heifers         130         675         -           Beef Backgrounding         533         2,772         -           Beef Finishing         41,023         123,149         55,45           Dairy, Milk         82,450         12,329         366,	Number of farms	104	20	21
Com         248,647         419,308         178,967           Corn Silage         11,246         -         50,371           Hay, Mixed         32,480         166,634         59           Oats         283         -         -           Soybeans         208,484         393,843         201,728           Soybeans Seed         1,045         -         -           Sugar Beets         895         -         -           Sunflowers         90         -         446           Sweet Corn, Processing         692         -         2,411           Wheat, Spring         1,424         4,818         -           Barley         302         -         -           Miscellaneous crop income         2,946         7,823         521           Beef Bulls         195         1,013         -           Beef Bulls         195         1,013         -           Beef Replacement Heifers         130         675         -           Beef Backgrounding         533         2,772         -           Beef Finishing         41,023         123,149         55,45           Dairy, Milk         82,450         12,329         366,	Cash Farm Income			
Corn Silage         11,246         -         50,371           Hay, Alfalfa         2,571         518         2,464           Hay, Miked         32,480         166,634         59           Oats         283         -         -           Soybeans         208,484         393,843         201,728           Soybeans Seed         1,045         -         -           Sunflowers         90         -         -         -         -           Mulk         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -		248 647	419 308	178 967
Hay, Alfalfa 2,571 518 2,484 Hay, Mixed 32,480 166,634 59 Oats 283 Soybeans 208,484 393,843 201,728 Soybeans Seed 1,045 Sugar Beets 895 Sunflowers 90 446 Sweet Corn, Processing 692 2,411 Wheat, Spring 1,424 4,818 Barley 302 Miscellaneous crop income 2,946 7,823 521 Beef Bulls 195 1,013 Beef Cow-Calf, Beef Calves 794 600 Beef Replacement Heifers 130 675 Beef Backgrounding 533 2,772 Beef Finishing 41,023 123,149 55,445 Dairy, Milk 82,450 12,329 366,289 Dairy, Dairy Calves 750 - 3,643 Dairy Replacement Heifers 4,519 - 1,857 Dairy Finishing 19,715 761 69,262 Hogs, Farrow To Finish, Raised Hog 3,922 Hogs, Feeder Pig Prod, Feeder Pigs 187 Bogs, Farrow To Finish, Raised Hog 3,922 Bogs, Farrow To Finis			-	
Hay, Mixed   32,480   166,634   59   Oats   283   -	•		518	
Oats         283         - <td></td> <td></td> <td></td> <td></td>				
Soybeans         208,484         393,843         201,728           Soybeans Seed         1,045         -         -           Sugar Beets         895         -         -           Sunflowers         90         -         446           Sweet Corn, Processing         692         -         2,411           Wheat, Spring         1,424         4,818         -           Barley         302         -         -         -           Barley         302         -         -         -           Miscellaneous crop income         2,946         7,823         521           Beef Bulls         195         1,013         -           Beef Bulls         195         1,013         -           Beef Replacement Heifers         130         675         -           Beef Replacement Heifers         130         675         -           Beef Finishing         41,023         123,149         55,445           Dairy, Milk         82,450         12,329         366,289           Dairy, Dairy Calves         750         -         3,643           Dairy Replacement Heifers         4,519         -         1,857           Dairy Finishing	•		-	-
Soybeans Seed         1,045         -         -           Sugar Beets         895         -         -           Sunflowers         90         -         446           Sweet Corn, Processing         692         -         2,411           Wheat, Spring         1,424         4,818         -           Barley         302         -         -           Miscellaneous crop income         2,946         7,823         521           Beef Bulls         195         1,013         -           Beef Bulls         195         1,013         -           Beef Replacement Heifers         130         675         -           Beef Replacement Heifers         130         675         -           Beef Finishing         41,023         123,149         55,445           Dairy, Milk         82,450         12,329         366,289           Dairy, Dairy Calves         750         -         3,643           Dairy Replacement Heifers         4,519         -         1,857           Dairy Finishing         19,715         761         69,262           Hogs, Farrow To Finish, Raised Hog         3,922         -         -           Hogs, Feeder Pig Prod,			393 843	201 728
Sugar Beets         895         -         4-           Sumet Corn, Processing         692         -         2,411           Wheat, Spring         1,424         4,818         -           Barley         302         -         -           Miscellaneous crop income         2,946         7,823         521           Beef Bulls         195         1,013         -           Beef Cow-Calf, Beef Calves         794         600         -           Beef Replacement Heifers         130         675         -           Beef Replacement Heifers         130         675         -           Beef Finishing         41,023         123,149         55,445           Dairy, Milk         82,450         12,329         366,289           Dairy, Dairy Calves         750         -         3,643           Dairy, Palacement Heifers         4,519         -         1,857           Dairy Finishing         19,715         761         69,262           Hogs, Feeder Pig Prod, Feeder Pigs         187         -         -           Hogs, Feeder Pig Prod, Feeder Pigs         7,992         13,641         26,413           Sheep, Market Lamb Prod, Mtt Lambs         2,438         -	•		-	-
Sunflowers         90         -         446           Sweet Corn, Processing         692         -         2,411           Wheat, Spring         1,424         4,818         -           Barley         302         -         -           Miscellaneous crop income         2,946         7,823         521           Beef Bulls         195         1,013         -           Beef Bulls         195         1,013         -           Beef Cow-Calf, Beef Calves         794         600         -           Beef Replacement Heifers         130         675         -           Beef Backgrounding         533         2,772         -           Beef Finishing         41,023         123,149         555,445           Dairy, Milk         82,450         12,329         366,289           Dairy, Dairy Calves         750         1,232         366,289           Dairy, Finishing         19,715         761         69,262           Hogs, Farrow To Finish, Raised Hog         3,922         -         -           Hogs, Feeder Pig         19,792         13,641         26,413           Sheep, Feeder Lamb Prod, Fdr Lambs         150         -         -      <	•		_	_
Sweet Corn, Processing         692         -         2,411           Wheat, Spring         1,424         4,818         -           Barley         302         -         -           Miscellaneous crop income         2,946         7,823         521           Beef Bulls         195         1,013         -           Beef Bulls         195         1,013         -           Beef Replacement Heifers         130         675         -           Beef Replacement Heifers         130         675         -           Beef Finishing         41,023         123,149         55,445           Dairy, Milk         82,450         12,329         366,289           Dairy, Dairy Calves         750         -         1,857           Dairy Replacement Heifers         4,519         -         1,857           Dairy Finishing         19,715         761         69,262           Hogs, Farrow To Finish, Raised Hog         3,922         -         -           Hogs, Feeder Pig Prod, Feeder Pigs         187         -         -           Sheep, Feeder Lamb Prod, Fdr Lambs         150         -         -           Sheep, Market Lamb Prod, Mkt Lambs         1,545         -			_	446
Wheat, Spring         1,424         4,818         -           Barley         302         -         -           Miscellaneous crop income         2,946         7,823         521           Beef Bulls         195         1,013         -           Beef Bulls         195         1,013         -           Beef Cow-Calf, Beef Calves         794         600         -           Beef Replacement Heifers         130         675         -           Beef Backgrounding         533         2,772         -           Beef Finishing         41,023         123,149         55,445           Dairy, Milk         82,450         12,329         366,289           Dairy, Dairy Calves         750         -         3,643           Dairy Replacement Heifers         4,519         -         1,857           Dairy Finishing         19,715         761         69,262           Hogs, Farrow To Finish, Raised Hog         3,922         -         -         -           Hogs, Farrow To Finish, Raised Hog         3,922         13,641         26,413           Sheep, Feeder Pigs         7,992         13,641         26,413           Sheep, Feeder Lamb Prod, Fdr Lambs         150			_	
Barley         302         -<	<del>-</del>		4.818	_,
Miscellaneous crop income         2,946         7,823         521           Beef Bulls         195         1,013         -           Beef Cow-Calf, Beef Calves         794         600         -           Beef Replacement Heifers         130         675         -           Beef Backgrounding         533         2,772         -           Beef Finishing         41,023         123,149         55,445           Dairy, Milk         82,450         12,329         366,289           Dairy, Dairy Calves         750         -         3,643           Dairy Replacement Heifers         4,519         -         1,857           Dairy Finishing         19,715         761         69,262           Hogs, Farrow To Finish, Raised Hog         3,922         -         -         -           Hogs, Feeder Pig Prod, Feeder Pigs         187         -         -         -           Hogs, Feeder Pig Prod, Feeder Pigs         150         -         -         -           Sheep, Market Lamb Prod, Mkt Lambs         2,438         -         11,883           Hogs, Farrow to Weaning, Weaning P         1,545         -         7,651           Hogs, Weaning to Finish         175,162         255,034	. •		-	_
Beef Bulls         195         1,013         -           Beef Cow-Calf, Beef Calves         794         600         -           Beef Replacement Heifers         130         675         -           Beef Backgrounding         533         2,772         -           Beef Finishing         41,023         123,149         55,445           Dairy, Milk         82,450         12,329         366,289           Dairy, Dairy Calves         750         -         3,643           Dairy Replacement Heifers         4,519         -         1,857           Dairy Finishing         19,715         761         69,262           Hogs, Farrow To Finish, Raised Hog         3,922         -         -           Hogs, Feeder Pigs         187         -         -           Hogs, Feeder Pigs         7,992         13,641         26,413           Sheep, Feeder Lamb Prod, Fdr Lambs         150         -         -           Sheep, Market Lamb Prod, Mkt Lambs         2,438         -         11,883           Hogs, Farrow to Weaning, Weaning P         1,545         -         7,651           Hogs, Weaning to Finish         175,162         255,034         624,577           Dairy Feeder <td< td=""><td>•</td><td></td><td>7.823</td><td>521</td></td<>	•		7.823	521
Beef Cow-Calf, Beef Calves         794         600         -           Beef Replacement Heifers         130         675         -           Beef Backgrounding         533         2,772         -           Beef Finishing         41,023         123,149         55,445           Dairy, Milk         82,450         12,329         366,289           Dairy, Dairy Calves         750         -         3,643           Dairy Replacement Heifers         4,519         -         1,857           Dairy Finishing         19,715         761         69,262           Hogs, Farrow To Finish, Raised Hog         3,922         -         -           Hogs, Feeder Pig Prod, Feeder Pigs         187         -         -           Hogs, Finish Feeder Pigs         7,992         13,641         26,413           Sheep, Feeder Lamb Prod, Fdr Lambs         150         -         -           Sheep, Market Lamb Prod, Mkt Lambs         2,438         -         11,883           Hogs, Weaning to Finish         175,162         255,034         624,577           Dairy Feeder         174         -         -           Cull breeding livestock         2,484         1,812         9,031           Misc. livestoc	•			-
Beef Replacement Heifers         130         675         -           Beef Backgrounding         533         2,772         -           Beef Finishing         41,023         123,149         55,445           Dairy, Milk         82,450         12,329         366,289           Dairy, Dairy Calves         750         -         3,643           Dairy Replacement Heifers         4,519         -         1,857           Dairy Finishing         19,715         761         69,262           Hogs, Farrow To Finish, Raised Hog         3,922         -         -           Hogs, Feeder Pig Prod, Feeder Pigs         187         -         -           Hogs, Finish Feeder Pigs         7,992         13,641         26,413           Sheep, Feeder Lamb Prod, Fdr Lambs         150         -         -           Sheep, Market Lamb Prod, Mkt Lambs         2,438         -         11,883           Hogs, Farrow to Weaning, Weaning P         1,545         -         7,651           Hogs, Weaning to Finish         175,162         255,034         624,577           Dairy Feeder         174         -         -           Cull breeding livestock         2,484         1,812         9,031           Mi				_
Beef Backgrounding         533         2,772         -           Beef Finishing         41,023         123,149         55,445           Dairy, Milk         82,450         12,329         366,289           Dairy, Dairy Calves         750         -         3,643           Dairy Replacement Heifers         4,519         -         1,857           Dairy Finishing         19,715         761         69,262           Hogs, Farrow To Finish, Raised Hog         3,922         -         -           Hogs, Feeder Pig Prod, Feeder Pigs         187         -         -           Hogs, Finish Feeder Pigs         7,992         13,641         26,413           Sheep, Market Lamb Prod, Mkt Lambs         150         -         -           Sheep, Market Lamb Prod, Mkt Lambs         2,438         -         11,883           Hogs, Farrow to Weaning, Weaning P         1,545         -         7,651           Hogs, Weaning to Finish         175,162         255,034         624,577           Dairy Feeder         174         -         -           Cull breeding livestock         2,484         1,812         9,031           Misc. livestock income         250         17         721           Cro				_
Beef Finishing         41,023         123,149         55,445           Dairy, Milk         82,450         12,329         366,289           Dairy, Dairy Calves         750         -         3,643           Dairy Replacement Heifers         4,519         -         1,857           Dairy Finishing         19,715         761         69,262           Hogs, Farrow To Finish, Raised Hog         3,922         -         -           Hogs, Feeder Pig Prod, Feeder Pigs         187         -         -           Hogs, Feeder Lamb Prod, Fdr Lambs         150         -         -           Sheep, Feeder Lamb Prod, Mkt Lambs         2,438         -         11,883           Hogs, Farrow to Weaning, Weaning P         1,545         -         7,651           Hogs, Weaning to Finish         175,162         255,034         624,577           Dairy Feeder         174         -         -           Cull breeding livestock         2,484         1,812         9,031           Misc. livestock income         250         17         721           Crop government payments         9,016         8,716         14,826           CRP payments         772         66         937           Other govern	•			_
Dairy, Milk         82,450         12,329         366,289           Dairy, Dairy Calves         750         -         3,643           Dairy Replacement Heifers         4,519         -         1,857           Dairy Finishing         19,715         761         69,262           Hogs, Farrow To Finish, Raised Hog         3,922         -         -           Hogs, Feeder Pig Prod, Feeder Pigs         187         -         -           Hogs, Finish Feeder Pigs         7,992         13,641         26,413           Sheep, Feeder Lamb Prod, Fdr Lambs         150         -         -           Sheep, Market Lamb Prod, Mkt Lambs         2,438         -         11,883           Hogs, Farrow to Weaning, Weaning P         1,545         -         7,651           Hogs, Weaning to Finish         175,162         255,034         624,577           Dairy Feeder         174         -         -           Cull breeding livestock         2,484         1,812         9,031           Misc. livestock income         250         17         721           Crop government payments         9,016         8,716         14,826           CRP payments         772         66         937           Oth				55.445
Dairy, Dairy Calves         750         -         3,643           Dairy Replacement Heifers         4,519         -         1,857           Dairy Finishing         19,715         761         69,262           Hogs, Farrow To Finish, Raised Hog         3,922         -         -           Hogs, Feeder Pig Prod, Feeder Pigs         187         -         -           Hogs, Finish Feeder Pigs         7,992         13,641         26,413           Sheep, Feeder Lamb Prod, Fdr Lambs         150         -         -           Sheep, Market Lamb Prod, Mkt Lambs         2,438         -         11,883           Hogs, Farrow to Weaning, Weaning P         1,545         -         7,651           Hogs, Weaning to Finish         175,162         255,034         624,577           Dairy Feeder         174         -         -           Cull breeding livestock         2,484         1,812         9,031           Misc. livestock income         250         17         721           Crop government payments         9,016         8,716         14,826           CRP payments         772         66         937           Other government payments         9,164         11,336         10,849	<del>-</del>			
Dairy Replacement Heifers         4,519         -         1,857           Dairy Finishing         19,715         761         69,262           Hogs, Farrow To Finish, Raised Hog         3,922         -         -           Hogs, Feeder Pig Prod, Feeder Pigs         187         -         -           Hogs, Finish Feeder Pigs         7,992         13,641         26,413           Sheep, Feeder Lamb Prod, Fdr Lambs         150         -         -           Sheep, Market Lamb Prod, Mkt Lambs         2,438         -         11,883           Hogs, Farrow to Weaning, Weaning P         1,545         -         7,651           Hogs, Weaning to Finish         175,162         255,034         624,577           Dairy Feeder         174         -         -           Cull breeding livestock         2,484         1,812         9,031           Misc. livestock income         250         17         721           Crop government payments         9,016         8,716         14,826           CRP payments         772         66         937           Other government payments         9,164         11,336         10,849           Custom work income         26,859         24,324         54,560			-	
Dairy Finishing         19,715         761         69,262           Hogs, Farrow To Finish, Raised Hog         3,922         -         -           Hogs, Feeder Pig Prod, Feeder Pigs         187         -         -           Hogs, Finish Feeder Pigs         7,992         13,641         26,413           Sheep, Feeder Lamb Prod, Fdr Lambs         150         -         -           Sheep, Market Lamb Prod, Mkt Lambs         2,438         -         11,883           Hogs, Farrow to Weaning, Weaning P         1,545         -         7,651           Hogs, Weaning to Finish         175,162         255,034         624,577           Dairy Feeder         174         -         -           Cull breeding livestock         2,484         1,812         9,031           Misc. livestock income         250         17         721           Crop government payments         9,016         8,716         14,826           CRP payments         772         66         937           Other government payments         9,164         11,336         10,849           Custom work income         26,859         24,324         54,560           Patronage dividends, cash         6,722         8,953         13,011			_	
Hogs, Farrow To Finish, Raised Hog         3,922         -         -         -           Hogs, Feeder Pig Prod, Feeder Pigs         187         -         -         -           Hogs, Finish Feeder Pigs         7,992         13,641         26,413         Sheep, Feeder Lamb Prod, Fdr Lambs         150         - <t< td=""><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td>761</td><td></td></t<>	· · · · · · · · · · · · · · · · · · ·		761	
Hogs, Feeder Pig Prod, Feeder Pigs         187         -         -           Hogs, Finish Feeder Pigs         7,992         13,641         26,413           Sheep, Feeder Lamb Prod, Fdr Lambs         150         -         -           Sheep, Market Lamb Prod, Mkt Lambs         2,438         -         11,883           Hogs, Farrow to Weaning, Weaning P         1,545         -         7,651           Hogs, Weaning to Finish         175,162         255,034         624,577           Dairy Feeder         174         -         -           Cull breeding livestock         2,484         1,812         9,031           Misc. livestock income         250         17         721           Crop government payments         9,016         8,716         14,826           CRP payments         772         66         937           Other government payments         9,164         11,336         10,849           Custom work income         26,859         24,324         54,560           Patronage dividends, cash         6,722         8,953         13,011           Crop insurance income         4,940         3,775         10,809           Property insurance income         1,981         3,136         6,400			-	-
Hogs, Finish Feeder Pigs         7,992         13,641         26,413           Sheep, Feeder Lamb Prod, Fdr Lambs         150         -         -           Sheep, Market Lamb Prod, Mkt Lambs         2,438         -         11,883           Hogs, Farrow to Weaning, Weaning P         1,545         -         7,651           Hogs, Weaning to Finish         175,162         255,034         624,577           Dairy Feeder         174         -         -           Cull breeding livestock         2,484         1,812         9,031           Misc. livestock income         250         17         721           Crop government payments         9,016         8,716         14,826           CRP payments         772         66         937           Other government payments         9,164         11,336         10,849           Custom work income         26,859         24,324         54,560           Patronage dividends, cash         6,722         8,953         13,011           Crop insurance income         4,940         3,775         10,809           Property insurance income         1,981         3,136         6,400           Contract livestock income         16,061         16,377         8,046	<u> </u>		_	_
Sheep, Feeder Lamb Prod, Fdr Lambs         150         -         -           Sheep, Market Lamb Prod, Mkt Lambs         2,438         -         11,883           Hogs, Farrow to Weaning, Weaning P         1,545         -         7,651           Hogs, Weaning to Finish         175,162         255,034         624,577           Dairy Feeder         174         -         -           Cull breeding livestock         2,484         1,812         9,031           Misc. livestock income         250         17         721           Crop government payments         9,016         8,716         14,826           CRP payments         772         66         937           Other government payments         9,164         11,336         10,849           Custom work income         26,859         24,324         54,560           Patronage dividends, cash         6,722         8,953         13,011           Crop insurance income         4,940         3,775         10,809           Property insurance income         1,981         3,136         6,400           Contract livestock income         16,061         16,377         8,046           Other farm income         10,900         21,877         18,801 </td <td></td> <td></td> <td>13,641</td> <td>26,413</td>			13,641	26,413
Sheep, Market Lamb Prod, Mkt Lambs       2,438       -       11,883         Hogs, Farrow to Weaning, Weaning P       1,545       -       7,651         Hogs, Weaning to Finish       175,162       255,034       624,577         Dairy Feeder       174       -       -         Cull breeding livestock       2,484       1,812       9,031         Misc. livestock income       250       17       721         Crop government payments       9,016       8,716       14,826         CRP payments       772       66       937         Other government payments       9,164       11,336       10,849         Custom work income       26,859       24,324       54,560         Patronage dividends, cash       6,722       8,953       13,011         Crop insurance income       4,940       3,775       10,809         Property insurance income       1,981       3,136       6,400         Contract livestock income       16,061       16,377       8,046         Other farm income       10,900       21,877       18,801			, <u>-</u>	, -
Hogs, Farrow to Weaning, Weaning P       1,545       -       7,651         Hogs, Weaning to Finish       175,162       255,034       624,577         Dairy Feeder       174       -       -         Cull breeding livestock       2,484       1,812       9,031         Misc. livestock income       250       17       721         Crop government payments       9,016       8,716       14,826         CRP payments       772       66       937         Other government payments       9,164       11,336       10,849         Custom work income       26,859       24,324       54,560         Patronage dividends, cash       6,722       8,953       13,011         Crop insurance income       4,940       3,775       10,809         Property insurance income       1,981       3,136       6,400         Contract livestock income       16,061       16,377       8,046         Other farm income       10,900       21,877       18,801	•		-	11,883
Hogs, Weaning to Finish         175,162         255,034         624,577           Dairy Feeder         174         -         -           Cull breeding livestock         2,484         1,812         9,031           Misc. livestock income         250         17         721           Crop government payments         9,016         8,716         14,826           CRP payments         772         66         937           Other government payments         9,164         11,336         10,849           Custom work income         26,859         24,324         54,560           Patronage dividends, cash         6,722         8,953         13,011           Crop insurance income         4,940         3,775         10,809           Property insurance income         1,981         3,136         6,400           Contract livestock income         16,061         16,377         8,046           Other farm income         10,900         21,877         18,801	•		-	
Dairy Feeder         174         -         -           Cull breeding livestock         2,484         1,812         9,031           Misc. livestock income         250         17         721           Crop government payments         9,016         8,716         14,826           CRP payments         772         66         937           Other government payments         9,164         11,336         10,849           Custom work income         26,859         24,324         54,560           Patronage dividends, cash         6,722         8,953         13,011           Crop insurance income         4,940         3,775         10,809           Property insurance income         1,981         3,136         6,400           Contract livestock income         16,061         16,377         8,046           Other farm income         10,900         21,877         18,801	Hogs, Weaning to Finish		255,034	
Misc. livestock income       250       17       721         Crop government payments       9,016       8,716       14,826         CRP payments       772       66       937         Other government payments       9,164       11,336       10,849         Custom work income       26,859       24,324       54,560         Patronage dividends, cash       6,722       8,953       13,011         Crop insurance income       4,940       3,775       10,809         Property insurance income       1,981       3,136       6,400         Contract livestock income       16,061       16,377       8,046         Other farm income       10,900       21,877       18,801			-	· -
Misc. livestock income       250       17       721         Crop government payments       9,016       8,716       14,826         CRP payments       772       66       937         Other government payments       9,164       11,336       10,849         Custom work income       26,859       24,324       54,560         Patronage dividends, cash       6,722       8,953       13,011         Crop insurance income       4,940       3,775       10,809         Property insurance income       1,981       3,136       6,400         Contract livestock income       16,061       16,377       8,046         Other farm income       10,900       21,877       18,801		2,484	1,812	9,031
CRP payments       772       66       937         Other government payments       9,164       11,336       10,849         Custom work income       26,859       24,324       54,560         Patronage dividends, cash       6,722       8,953       13,011         Crop insurance income       4,940       3,775       10,809         Property insurance income       1,981       3,136       6,400         Contract livestock income       16,061       16,377       8,046         Other farm income       10,900       21,877       18,801				
CRP payments       772       66       937         Other government payments       9,164       11,336       10,849         Custom work income       26,859       24,324       54,560         Patronage dividends, cash       6,722       8,953       13,011         Crop insurance income       4,940       3,775       10,809         Property insurance income       1,981       3,136       6,400         Contract livestock income       16,061       16,377       8,046         Other farm income       10,900       21,877       18,801	Crop government payments	9,016	8,716	14,826
Custom work income       26,859       24,324       54,560         Patronage dividends, cash       6,722       8,953       13,011         Crop insurance income       4,940       3,775       10,809         Property insurance income       1,981       3,136       6,400         Contract livestock income       16,061       16,377       8,046         Other farm income       10,900       21,877       18,801		772	66	937
Patronage dividends, cash       6,722       8,953       13,011         Crop insurance income       4,940       3,775       10,809         Property insurance income       1,981       3,136       6,400         Contract livestock income       16,061       16,377       8,046         Other farm income       10,900       21,877       18,801	Other government payments	9,164	11,336	10,849
Crop insurance income         4,940         3,775         10,809           Property insurance income         1,981         3,136         6,400           Contract livestock income         16,061         16,377         8,046           Other farm income         10,900         21,877         18,801	Custom work income	26,859	24,324	54,560
Property insurance income         1,981         3,136         6,400           Contract livestock income         16,061         16,377         8,046           Other farm income         10,900         21,877         18,801	Patronage dividends, cash	6,722	8,953	13,011
Contract livestock income         16,061         16,377         8,046           Other farm income         10,900         21,877         18,801	Crop insurance income	4,940	3,775	10,809
Other farm income 10,900 21,877 18,801	Property insurance income	1,981	3,136	
· · · · · · · · · · · · · · · · · · ·	Contract livestock income	16,061	16,377	8,046
Gross Cash Farm Income 941,931 1,503,303 1,751,977	Other farm income	10,900	21,877	18,801
	Gross Cash Farm Income	941,931	1,503,303	1,751,977

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

	Avg. Of All Farms	Low 20%	High 20%
Number of farms	104	20	21
Cash Farm Expense			
Seed and plants	78,083	140,506	83,474
Fertilizer	62,145	111,926	69,034
Crop chemicals	37,030	64,675	38,081
Crop insurance	14,338	24,016	15,579
Drying expense	6,363	7,309	5,860
Storage	799	1,162	606
Crop miscellaneous	2,414	7,264	1,584
Crop consultants	2,514	4,860 50,400	2,066
Feeder livestock purchase Purchased feed	75,111 111,187	59,400 116,655	284,415 408,019
Breeding fees	1,636	218	6,170
Veterinary	6,955	8,657	21,199
Supplies	7.845	3,476	25,104
DHIA	84	200	20,104
Contract production exp.	16,905	20,509	62,055
Livestock leases	364	-	1,535
Livestock consultants	166	-	823
Interest	33,554	70,652	42,823
Fuel & oil	24,404	50,789	31,848
Repairs	48,804	88,994	74,818
Custom hire	13,629	18,017	19,417
Hired labor	29,882	60,615	57,618
Land rent	137,253	299,020	124,114
Machinery leases	11,534	32,597	14,538
Building leases	1,598	1,963	190
Real estate taxes	8,778 13,056	13,444	14,409
Farm insurance Utilities	13,056 10,304	19,651 9,877	20,037 19,484
Hauling and trucking	3,210	6,608	7,325
Marketing	3,162	7,607	4,653
Dues & professional fees	3,568	4,861	4,148
Purchase of resale items	10,834	55,152	94
Miscellaneous	5,724	12,673	5,037
Total cash expense	783,231	1,323,350	1,466,157
Net cash farm income	158,700	179,953	285,820
Inventory Changes			
Prepaids and supplies	-3,483	7,278	-17,436
Accounts receivable	2,556	22,379	3,595
Hedging accounts	-6,947	-28,061	-5,585
Other current assets	750 7.000	-489 2.747	- 04 004
Crops and feed	-7,062 5,340	-3,747	21,001
Market livestock	-5,349 3,304	-127,575 -2,410	83,186 11,248
Breeding livestock Other assets	2,304 4,455	-2,410 3,106	21,612
Accounts payable	6.487	-4,210	25,316
Accrued interest	-1,495	-1,531	-4,424
Total inventory change	-7,784	-135,260	138,513
Net operating profit	150,916	44,693	424,333
Depreciation			
Machinery and equipment	-53,408	-91,928	-74,040
Titled vehicles	-2,388	-4,332	-78
Buildings and improvements	-18,828	-23,842	-41,068
Total depreciation	-74,624	-120,103	-115,185
Net farm income from operations	76,292	-75,409	309,148
Gain or loss on capital sales	8,475	582	41,873
·	•	74.000	
Net farm income	84,767	-74,828	351,021

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

	Avg. Of All Farms	Low 20%	High 20%
	All I dillis		
Number of farms	104	20	21
Profitability (assets valued at cost)			
Net farm income from operations	76,292	-75,409	309,148
Rate of return on assets	1.9 %	-2.8 %	6.3 %
Rate of return on equity	0.8 %	-10.0 %	7.5 %
Operating profit margin	6.5 %	-8.5 %	22.6 %
Asset turnover rate	29.7 %	32.7 %	27.9 %
Farm interest expense	35,049	72,183	47,247
Value of operator lbr and mgmt.	63,730	93,048	86,635
Return on farm assets	47,611	-96,274	269,759
Average farm assets	2,478,977	3,471,135	4,283,429
Return on farm equity	12,562	-168,457	222,512
Average farm equity	1,559,030	1,690,087	2,973,380
Value of farm production	735,601	1,135,788	1,194,506
	Avg. Of		
	All Farms	Low 20%	High 20%
Number of farms	104	20	21
Profitability (assets valued at market)			
Net farm income from operations	122,958	7,456	350,068
Rate of return on assets	2.6 %	-0.3 %	5.3 %
Rate of return on equity	2.7 %	-3.6 %	6.7 %
Operating profit margin	12.8 %	-1.2 %	26.0 %
Asset turnover rate	20.3 %	23.5 %	20.2 %
Farm interest expense	35,049	72,183	47,247
Value of operator lbr and mgmt.	63,730	93,048	86,635
Return on farm assets	94,277	-13,409	310,680
	94,277 3,615,463	-13,409 4,823,774	310,680 5,916,397
Return on farm assets	•		
Return on farm assets Average farm assets	3,615,463	4,823,774	5,916,397

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

	Avg. OfAll Farms	Low 20%	High 20%
Number of farms	104	20	21
Liquidity			
Current ratio	1.84	1.28	2.19
Working capital	367,795	261,790	700,874
Working capital to gross inc	39.4 %	19.2 %	37.1 %
Current assets	803,844	1,189,167	1,289,018
Current liabilities	436,049	927,377	588,144
Gross revenues (accrual)	932,732	1,366,995	1,887,033
Repayment capacity			
Net farm income from operations	76,292	-75,409	309,148
Depreciation	74,624	120,103	115,185
Personal income	38,552	46,923	31,058
Family living/owner withdrawals	-80,817	-93,423	-78,056
Cash discrepancy	28	201	58
Payments on personal debt	-2,650	-3,455	-1,388
Income taxes paid	-21,152	-15,336	-41,585
Interest on term debt	24,333	39,811	39,071
Capital debt repayment capacity	109,183	19,214	373,433
Scheduled term debt payments	-86,164	-127,908	-135,376
Capital debt repayment margin	23,019	-108,694	238,057
Cash replacement allowance	-44,045	-71,975	-49,298
Replacement margin	-21,026	-180,669	188,759
Term debt coverage ratio	1.27	0.15	2.76
Replacement coverage ratio	0.84	0.10	2.02

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

Number of farms				20%	riigri	20%
		104		20		21
	Beginning	Ending	Beginning	Ending	Beginning	Ending
Assets	<u> </u>		<u> </u>			
Current Farm Assets						
Cash and checking balance	63,058	53,058	67,923	50,107	69,436	61,750
Prepaid expenses & supplies	113,006	109,523	141,599	148,878	194,072	176,635
Growing crops	109	15	569	80	0	0
Accounts receivable	32,452	35,008	42,376	64,755	82,775	86,370
Hedging accounts	6,845	5,983	15,158	11,925	7,023	9,214
Crops held for sale or feed	509,448	502,386	883,354	879,607	566,443	587,444
Crops under government loan	0	0	0	0	0	0
Market livestock held for sale	103,034	97,684	161,391	33,816	284,418	367,604
Other current assets	-657	187	0	0	0	0
Total current farm assets	827,295	803,844	1,312,369	1,189,167	1,204,167	1,289,018
Intermediate Farm Assets	40.044	40.004	00.004		400 500	440.070
Breeding livestock	40,644	46,034	39,204	38,688	130,503	149,679
Machinery and equipment	694,481	692,905	1,058,259	1,071,306	859,112	857,379
Titled vehicles	31,288	37,143	54,005	59,148	37,680	49,722
Other intermediate assets	78,439	84,732	59,181	62,278	294,914	317,247
Total intermediate farm assets	844,851	860,813	1,210,649	1,231,420	1,322,209	1,374,026
Long Term Farm Assets	4 004 000	4 400 000	4 747 740	4 745 055	0.044.740	0.400.400
Farmland	1,364,080	1,423,690	1,717,743	1,745,255	2,041,742	2,198,168
Buildings and improvements	464,816	526,792	549,785	567,310	966,522	1,191,508
Other long-term assets	53,046	61,698	59,236	64,613	102,804	142,631
Total long-term farm assets	1,881,941	2,012,180	2,326,764	2,377,178	3,111,068	3,532,307
Total Farm Assets	3,554,088	3,676,838	4,849,783	4,797,765	5,637,444	6,195,351
Total Nonfarm Assets Total Assets	484,994 4,039,082	519,410 4,196,248	477,734 5,327,517	522,272 5,320,037	709,275 6,346,719	779,562 6,974,913
Liabilities						
Current Farm Liabilities						
Accrued interest	10,830	12,325	24,286	25,818	8,755	13,179
Accounts payable	38,549	32,062	61,271	65,481	104,006	78,690
Current notes	336,861	330,006	804,624	744,002	363,755	397,376
Government crop loans	0	0	0	0	0	0
Principal due on term debt	61,830	61,656	88,097	92,076	96,305	98,899
Total current farm liabilities	448,071	436,049	978,279	927,377	572,821	588,144
Total intermediate farm liabs	78,053	93,325	122,333	144,226	86,620	144,713
Total long term farm liabilities	376,402	407,994	670,707	719,176	552,590	675,210
Total farm liabilities	902,526	937,368	1,771,318	1,790,778	1,212,030	1,408,067
Total nonfarm liabilities	55,444	50,685	59,423	53,198	50,747	57,264
Total liabs excluding deferreds	957,970	988,053	1,830,741	1,843,977	1,262,777	1,465,330
Total deferred liabilities	502,457	517,628	678,245	656,299	697,803	770,273
Total liabilities	1,460,426	1,505,682	2,508,986	2,500,276	1,960,580	2,235,604
Retained earnings	1,880,181	1,928,320	2,093,780	1,983,069	3,361,411	3,652,125
Market valuation equity	698,474	762,246	724,751	836,692	1,024,727	1,087,184
Net worth (farm and nonfarm)	2,578,655	2,690,566	2,818,531	2,819,761	4,386,138	4,739,309
Net worth excluding deferreds	3,081,112	3,208,194	3,496,776	3,476,060	5,083,941	5,509,583
Net worth change Percent net worth change		111,911 4 %		1,229 0 %		353,171 8 %
				<b>.</b>		2 70
Ratio Analysis Current farm liabilities / assets	54 %	54 %	75 %	78 %	48 %	46 %
Intermediate farm liab. / assets	9 %	11 %	10 %	12 %	7 %	11 %
Long term farm liab. / assets	20 %	20 %	29 %	30 %	18 %	19 %
Total debt to asset ratio	36 %	36 %	47 %	47 %	31 %	32 %
Debt to assets excl deferreds	24 %	24 %	34 %	35 %	20 %	21 %

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

	Avg. All Fa		Low	20%	High	20%
Number of farms		104		20		21
	Beginning	Ending	Beginning	Ending	Beginning	Ending
Assets						
Current Farm Assets						
Cash and checking balance	63,058	53,058	67,923	50,107	69,436	61,750
Prepaid expenses & supplies	113,006	109,523	141,599	148,878	194,072	176,635
Growing crops	109	15	569	80	0	0
Accounts receivable	32,452	35,008	42,376	64,755	82,775	86,370
Hedging accounts	6,845	5,983	15,158	11,925	7,023	9,214
Crops held for sale or feed	509,448	502,386	883,354	879,607	566,443	587,444
Crops under government loan	0	0	0	0	0	0
Market livestock held for sale	103,034	97,684	161,391	33,816	284,418	367,604
Other current assets	-657	187	0	0	0	0
Total current farm assets	827,295	803,844	1,312,369	1,189,167	1,204,167	1,289,018
Intermediate Farm Assets						
Breeding livestock	34,270	39,724	25,662	24,529	120,437	142,152
Machinery and equipment	473,929	463,578	730,394	718,424	637,132	636,121
Titled vehicles	19,106	21,761	34,662	34,254	18,519	25,867
Other intermediate assets	69,322	75,296	36,914	38,075	274,906	297,239
Total intermediate farm assets	596,628	600,360	827,632	815,283	1,050,994	1,101,379
Long Term Farm Assets						
Farmland	657,622	696,940	917,569	945,049	1,079,311	1,189,250
Buildings and improvements	317,397	355,374	413,377	409,050	627,797	796,181
Other long-term assets	47,025	55,468	53,300	59,475	94,684	134,076
Total long-term farm assets	1,022,044	1,107,782	1,384,246	1,413,573	1,801,793	2,119,507
Total Farm Assets	2,445,968	2,511,986	3,524,247	3,418,023	4,056,954	4,509,904
Total Nonfarm Assets	392,183	404,387	400,274	409,022	567,234	607,552
Total Assets	2,838,151	2,916,373	3,924,521	3,827,046	4,624,188	5,117,456
Liabilities						
Current Farm Liabilities	40.000	40.005	04.000	05.040	0.755	40 470
Accrued interest	10,830	12,325	24,286	25,818	8,755	13,179
Accounts payable	38,549	32,062	61,271	65,481	104,006	78,690
Current notes	336,861 0	330,006 0	804,624 0	744,002 0	363,755 0	397,376 0
Government crop loans					-	-
Principal due on term debt Total current farm liabilities	61,830 448,071	61,656 436,049	88,097 978,279	92,076 927,377	96,305 572,821	98,899 588,144
Total intermediate farm liabs	78,053	93,325	122,333	144,226	86,620	144,713
Total long term farm liabilities	376,402	407,994	670,707	719,176	552,590	675,210
Total farm liabilities	902,526	937,368	1,771,318	1,790,778	1,212,030	1,408,067
Total nonfarm liabilities	55,444	50,685	59,423	53,198	50,747	57,264
Total liabilities	957,970	988,053	1,830,741	1,843,977	1,262,777	1,465,330
Net worth (farm and nonfarm)	1,880,181	1,928,320	2,093,780	1,983,069	3,361,411	3,652,125
Net worth change	.,,	48,138	, , - 00	-110,711	-,,	290,714
Percent net worth change		3 %		-5 %		9 %
Ratio Analysis						
Current farm liabilities / assets	54 %	54 %	75 %	78 %	48 %	46 %
Intermediate farm liab. / assets	13 %	16 %	15 %	18 %	8 %	13 %
Long term farm liab. / assets	37 %	37 %	48 %	51 %	31 %	32 %
Total debt to asset ratio	34 %	34 %	47 %	48 %	27 %	29 %

2017 Annual Report

# 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	104	20	21
Number of farms	104	20	21
Beginning cash (farm & nonfarm)	78,143	98,769	86,782
Cash Provided By Operating Activities			
Gross cash farm income	941,931	1,503,303	1,751,977
Total cash farm expense	-783,231	-1,323,350	-1,466,157
Net cash from hedging transactions	-6,085	-24,828	-7,776
Cash provided by operating	152,615	155,125	278,044
Cash Provided By Investing Activities			
Sale of breeding livestock	1,512	2,772	1,093
Sale of machinery & equipment	11,046	37,478	3,324
Sale of titled vehicles	679	1,507	<u>-</u>
Sale of farm land	8,646	<del>-</del>	42,786
Sale of farm buildings	805	3,748	-
Sale of other farm assets	387	159	2
Sale of nonfarm assets	23,795	2,833	39,437
Purchase of breeding livestock	-5,031	-4,050	-11,559
Purchase of machinery & equip.	-54,010	-118,557	-76,100
Purchase of titled vehicles	-5,620	-4,717	-7,426
Purchase of farm land	-39,567	-27,512	-111,108
Purchase of farm buildings	-57,365	-22,277	-209,451
Purchase of other farm assets	-10,349	-4,388 40,005	-40,115
Purchase of nonfarm assets	-26,053	-10,895	-56,910
Cash provided by investing	-151,125	-143,898	-426,027
Cash Provided By Financing Activities	- 10 1	4.400.00	
Money borrowed	548,774	1,183,935	807,624
Principal payments	-513,717	-1,174,012	-589,357
Personal income	38,552	46,923	31,058
Family living/owner withdrawals	-80,779	-93,323	-78,056
Income and social security tax	-20,587	-15,759	-36,466
Capital contributions	8,289	25,000	15,823
Capital distributions	-1,804	-6,380	-
Dividends paid	-38	-100 0.400	-
Cash gifts and inheritances	18,955	8,400	29,961
Gifts given	-8,825	-	-43,450
Other cash flows	- 11 101	- 05 245	- 127 120
Cash provided by financing	-11,181	-25,315	137,138
Net change in cash balance	-9,690	-14,088	-10,844
Ending cash (farm & nonfarm)	68,480	84,882	75,995
Discrepancy	-28	-201	-58

#### 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	104	20	21
Acreage Summary			
Total acres owned	226	278	314
Total crop acres	940	1,714	992
Crop acres owned	233	313	304
Crop acres cash rented	661	1,322	602
Crop acres share rented	46	79	86
Total pasture acres	8	27	1
Percent crop acres owned	25 %	18 %	31 %
Mach invest/crop acre cost	511	443	629
Mach invest/crop acre market	763	654	868
Average Price Received (Cash Sales O	nly)		
Soybeans per bushel	9.23	9.18	9.50
Corn per bushel	3.17	3.14	3.17
Hay, Grass per ton	76.72	-	-
Hay, Alfalfa per ton	94.61	-	_
Wheat, Spring per bushel	4.51	-	-
Corn Silage per ton	30.77	-	-
Average Yield Per Acre			
Corn (bushel)	203.71	190.96	211.48
Soybeans (bushel)	55.19	54.64	57.78
Hay, Alfalfa (ton)	4.97	4.21	-
Corn Silage (ton)	24.24	22.11	24.78
Hay, Grass (ton)	1.99	1.97	-
Oats (bushel)	123.30	-	-
Wheat, Spring (bushel)	63.74	-	-

#### 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	45	5	10
Average family size	2.6	2.2	2.7
Family Living Expenses			
Food and meals expense	8,796	8,636	9,134
Medical care	5,426	5,645	6,311
Health insurance	6,012	3,298	6,287
Cash donations	5,778	2,623	5,636
Household supplies	7,302	4,797	6,055
Clothing	2,534	2,066	3,287
Personal care	3,028	1,394	1,810
Child / Dependent care	585	-	1,520
Alimony and child support	-	-	-
Gifts	4,410	3,131	7,129
Education	1,454	87	2,905
Recreation	4,254	2,893	3,550
Utilities (household share)	3,262	5,205	2,538
Personal vehicle operating exp	3,552	2,419	3,340
Household real estate taxes	844	2,032	95
Dwelling rent	-	-	-
Household repairs	2,115	3,009	1,039
Personal interest	1,074	2,238	8
Disability / Long term care ins	653	875	696
Life insurance payments	3,102	6,572	3,884
Personal property insurance	426	685	353
Miscellaneous	5,052	5,661	3,795
Total cash family living expense	69,661	63,268	69,372
Family living from the farm	302	991	283
Total family living	69,964	64,259	69,655
Other Nonfarm Expenditures			
Income taxes	23,758	21,803	29,748
Furnishing & appliance purchases	14	-	168
Nonfarm vehicle purchases	2,232	-3,726	4,224
Nonfarm real estate purchases	15,111	-	45,892
Other nonfarm capital purchases	999	-	-2,438
Nonfarm savings & investments	4,573	20,908	5,828
Total other nonfarm expenditures	46,687	38,985	83,422
Total cash family living			
investment & nonfarm capital purch	116,348	102,253	152,794

#### 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	104	20	21
Operator Information			
Average number of operators	1.2	1.2	1.2
Average age of operators	52.9	53.7	55.7
Average number of years farming	28.8	28.5	34.0
Results Per Operator			
Working capital	306,006	218,158	588,734
Total assets (market)	3,491,278	4,433,364	5,858,927
Total liabilities	1,252,727	2,083,564	1,877,907
Net worth (market)	2,238,551	2,349,800	3,981,020
Net worth excl deferred liabs	2,669,218	2,896,717	4,628,049
Gross farm income	776,033	1,139,163	1,585,108
Total farm expense	712,558	1,202,004	1,325,424
Net farm income from operations	63,475	-62,841	259,684
Net nonfarm income	32,075	39,102	26,089
Family living & tax withdrawals	84,815	90,465	100,450
Total acres owned	188.0	231.8	264.0
Total crop acres	781.7	1,428.5	833.5
Crop acres owned	193.9	260.8	255.0
Crop acres cash rented	549.8	1,101.8	505.9
Crop acres share rented	38.0	66.0	72.5
Total pasture acres	6.4	22.7	1.0
Labor Analysis			
Number of farms	104	20	21
Total unpaid labor hours	2,182	2,940	2,569
Total hired labor hours	1,477	3,473	2,803
Total labor hours per farm	3,659	6,413	5,372
Unpaid hours per operator	1,816	2,450	2,158
Value of farm production / hour	201.03	177.10	222.36
Net farm income / unpaid hour	34.96	-25.65	120.34
Average hourly hired labor wage	21.75	20.57	22.27

#### 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	104	20	21
Nonfarm Income			
Personal wages & salary	19,364	19,887	16,604
Net nonfarm business income	4,169	6,608	5,270
Personal rental income	5,228	15,762	2,504
Personal interest income	713	199	1,009
Personal cash dividends	25	-	-
Tax refunds	1,094	909	350
Other nonfarm income	7,959	3,558	5,322
Total nonfarm income	38,552	46,923	31,058
Gifts and inheritances	18,955	8,400	29,961
Nonfarm Assets (market)			
Checking & savings	15,423	34,775	14,245
Stocks & bonds	61,584	126,155	129,809
Other current assets	5,734	19,384	3,191
Furniture & appliances	10,910	6,920	8,807
Nonfarm vehicles	21,065	22,135	18,812
Cash value of life ins.	19,951	21,754	31,713
Retirement accounts	144,237	140,103	183,788
Other intermediate assets	22,006	12,603	47,506
Nonfarm real estate	122,307	86,073	96,388
Personal bus. investment	41,972	5,300	199,547
Other long term assets	54,222	47,071	45,756
Total nonfarm assets	519,410	522,272	779,562
Nonfarm Liabilities			
Accrued interest	120	92	29
Accounts payable	1,715	7,293	222
Current notes	254	-	-
Princ due on term debt	2,724	3,343	2,091
Total current liabilities	26,148	28,151	46,810
Intermediate liabilities	4,736	4,714	2,110
Long term liabilities	19,801	20,333	8,344
Total nonfarm liabilities	50,685	53,198	57,264
Nonfarm net worth	468,725	469,074	722,298
Nonfarm debt to asset ratio	10 %	10 %	7 %

# Projected Profitability

### Southwest Minnesota Farm Business Management Association

	2017 All Farms Actual	2017 Improved Margin Mgmt.	2017 SW Assn Crop Farms Actual	2018 SW Assn Crop Farms Projected	2017 Statewide Lvst Farms Actual	2018 Statewide Lvst Farms Projected
Liquidity						
Current ratio	1.8	1.9	2.0	2.1	1.6	1.6
Working capital to gross  Solvency  1	39%	42%	55%	56%	18%	17%
Debt to asset	25%	25%	23%	23%	37%	37%
Debt to equity  Profitability	0.34	0.34	0.30	0.30	0.59	0.59
Rate of return on assets <sup>2</sup>	1%	4%	1%	1%	2%	0%
Operating profit margin	1% 7%	17%	3%	7%	2 <i>%</i> 8%	-1%
Net farm income <sup>3</sup>	\$81,552	\$168,000	\$62,308	\$81,000	\$60,922	\$-12,000
Repayment capacity	301,332	\$100,000	302,306	\$61,000	\$60,922	Ş-12,000
Term debt coverage	1.3	2.3	1.0	1.2	1.2	0.5
Replacement coverage	0.8	1.5	0.6	0.8	1.0	0.4
Efficiency						
Asset turnover rate	20%	22%	20%	20%	27%	25%
Operating expense ratio	81%	73	80%	76%	85%	91%
Net worth growth	***	<b>-</b> 0.4	221	201	***	•
Net worth change	4%	7%	3%	3%	4%	0%
	2017	2017 Improved	2017 SW Assn	2018 SW Assn	2017 Statewide	2018 Statewide
	All Farms	Margin	Crop Farms	Crop Farms	Lvst Farms	Lvst Farms
<b>Projected Changes</b>	Actual	Mgmt.	Actual	Projected	Actual	Projected
Gross income	-	+5%	-	2%	-	-5%
Operating expenses	-	-5%	-	-2%	-	1%
Interest rates	-	-	-	1%	-	1%
Current assets	-	+5%	-	2%	-	-3%
Noncurrent assets	-	-	-	0%	-	0%

 $<sup>^{\</sup>rm 1}$  Assets at estimated market value excluding deferred liabilities.

<sup>&</sup>lt;sup>2</sup> Assets at estimated market value, returns excluding change in market valuation.

<sup>&</sup>lt;sup>3</sup> 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 government payments that are decoupled from production such as ARC and PLC 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 ARC and PLC 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 deducting an opportunity cost for unpaid operator 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 Net Return)

#### Corn on Owned Land

	Avg. Of _All Farms	Low 20%	High 20%
Number of farms	64	12	13
Acres 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	153.78 212.34 100.00 3.08 0.43 655.02 -1.75 5.31 17.40 675.98	127.20 193.92 100.00 3.06 - 593.78 -0.80 14.56 6.78 614.32	136.63 218.35 100.00 3.15 686.87 0.79 16.94 48.29 752.90
Direct Expenses Seed and plants Fertilizer Crop chemicals Cover crop expense Crop insurance Drying expense Storage Fuel & oil Repairs Custom hire Machinery leases Utilities Hauling and trucking Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	117.69 99.20 31.56 0.72 15.76 16.89 1.63 18.05 47.66 9.35 3.79 0.33 0.96 0.97 9.89 2.16 376.62 299.37	122.77 109.19 30.42 0.64 20.29 17.83 1.26 19.59 35.88 9.34 14.06 0.78 1.31 1.51 15.23 2.78 402.87 211.45	111.82 99.02 27.13 1.91 22.70 16.93 1.78 17.23 34.70 8.88 1.25 - - - 1.53 4.53 1.85 351.27 401.63
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	12.29	21.54	5.90
	1.36	2.06	0.07
	29.44	34.06	26.86
	11.91	9.80	9.35
	6.23	6.50	5.60
	3.45	2.28	4.99
	66.94	141.62	49.06
	72.25	57.69	63.90
	5.16	6.37	7.37
	209.01	281.92	173.11
	585.63	684.80	524.38
	90.36	-70.48	228.52
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	14.54	13.41	10.37
	104.90	-57.07	238.89
	54.27	50.50	69.47
	50.63	-107.57	169.42
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	1.77	2.08	1.61
	2.76	3.53	2.40
	2.59	3.36	2.05
	2.84	3.62	2.37
Net value per unit	3.07	3.06	3.15
Machinery cost per acre	143.39	135.15	121.09
Est. labor hours per acre	2.60	2.21	2.94

#### Crop Enterprise Analysis Southwest Minnesota Farm Business Management Association (Farms Sorted By Net Return)

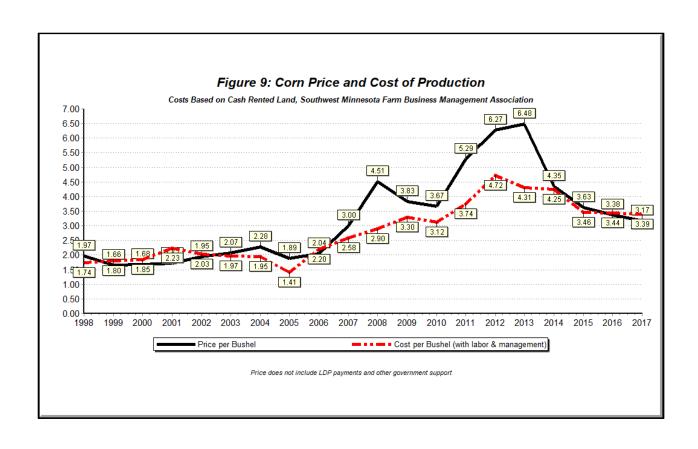
#### Corn on Cash Rent

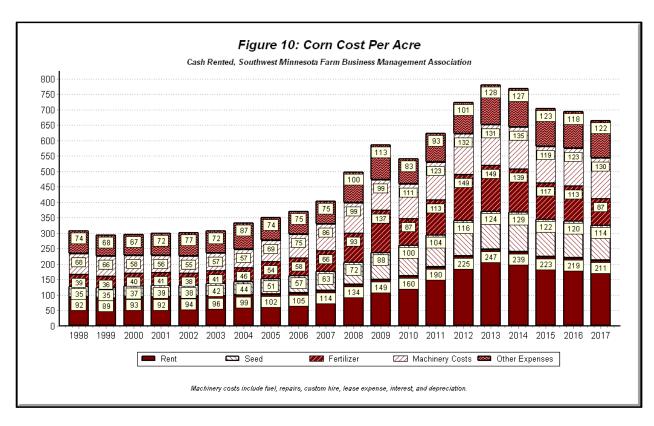
	Avg. Of All Farms	Low 20%	High 20%
Number of farms	88	17	18
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	379.21 200.58 100.00 3.08 0.07 617.97 -0.59 16.34 9.10 642.82	263.40 207.68 100.00 3.09 - 641.13 -8.32 0.39 4.90 638.10	295.53 212.97 100.00 3.09 658.32 5.30 13.92 9.79 687.32
Direct Expenses Seed and plants Fertilizer Crop chemicals Cover crop expense Crop insurance Drying expense Storage Fuel & oil Repairs Custom hire Hired labor Land rent Machinery leases Hauling and trucking Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	113.94 87.12 29.13 0.15 16.26 14.92 1.22 21.13 37.11 9.73 0.52 211.17 9.01 0.35 2.38 11.69 2.57 568.39 74.43	122.63 105.96 33.67 0.56 16.91 20.29 4.23 22.73 51.77 13.76 211.53 8.56 0.69 4.81 15.47 0.62 634.19 3.91	99.71 81.77 36.52 0.24 17.26 11.99 18.97 23.90 14.60 0.04 182.89 0.19 0.66 4.93 1.10 494.76 192.56
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	12.04 1.59 1.03 9.97 4.89 3.19 3.28 56.14 3.90 96.04 664.43 -21.61	20.81 4.07 15.16 6.98 3.88 5.65 79.35 6.88 142.78 776.98 -138.88	5.23 1.35 9.72 5.97 3.95 2.57 54.97 5.05 88.82 583.58 103.74
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	12.54 -9.07 52.26 -61.33	12.18 -126.70 53.71 -180.41	21.86 125.60 54.38 71.22
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.83 3.31 3.13 3.39	3.05 3.74 3.70 3.96	2.32 2.74 2.50 2.76
Net value per unit Machinery cost per acre Est. labor hours per acre	3.08 130.17 2.24	3.05 170.71 2.82	3.12 108.59 2.36

#### Crop Enterprise Analysis Southwest Minnesota Farm Business Management Association (Farms Sorted By Net Return)

#### Corn on Share Rent

	Avg. Of All Farms
Number of farms	18
Acres 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	139.25 208.18 53.58 3.08 0.46 344.11 0.48 3.55 348.15
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Storage Fuel & oil Repairs Custom hire Machinery leases Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	68.26 58.76 20.41 10.63 8.05 0.83 16.77 37.37 16.32 1.52 0.74 9.37 1.23 250.28 97.87
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	6.10 2.62 1.64 6.18 4.51 4.12 5.74 69.56 3.30 103.77 354.05 -5.91
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	7.17 1.26 51.48 -50.22
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.24 3.17 3.07 3.53
Net value per unit Machinery cost per acre Est. labor hours per acre	3.08 143.59 2.35





#### Soybeans on Owned Land

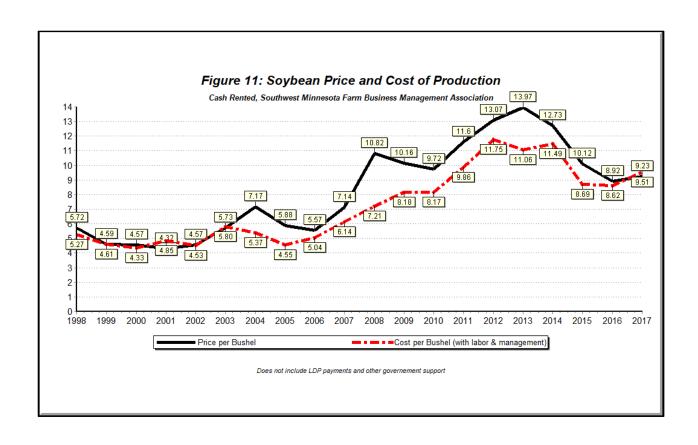
	Avg. Of All Farms	Low 20%	High 20%
Number of farms	64	12	13
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	168.86	147.89	125.86
	57.31	54.50	58.75
	100.00	100.00	100.00
	8.90	8.81	8.89
	509.85	479.99	522.40
	-1.90	-11.71	2.81
	3.27	0.06	16.40
	9.23	10.95	12.86
	520.45	479.29	554.46
Direct Expenses Seed and plants Fertilizer Crop chemicals Cover crop expense Crop insurance Storage Fuel & oil Repairs Custom hire Machinery leases Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	52.64 29.42 46.26 0.60 17.22 0.43 15.02 37.20 10.18 4.41 1.33 7.79 2.39 224.89 295.56	48.22 22.23 41.37 0.06 14.57 13.29 48.78 7.23 10.26 1.48 13.46 1.68 222.63 256.66	52.98 27.53 40.17 14.13 1.76 14.01 23.95 6.94 0.51 0.33 2.05 4.27 188.63 365.83
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	9.23	9.22	3.85
	1.44	2.31	0.07
	28.81	35.06	28.30
	10.56	11.46	8.00
	5.05	6.27	4.67
	2.92	2.72	3.26
	61.12	139.09	11.45
	54.21	55.57	48.50
	3.19	4.74	2.76
	176.53	266.43	110.86
	401.42	489.07	299.48
	119.03	-9.78	254.98
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	13.09	12.09	14.16
	132.12	2.31	269.14
	41.37	35.30	47.52
	90.75	-32.99	221.62
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.92	4.08	3.21
	7.00	8.97	5.10
	6.59	8.76	4.31
	7.31	9.41	5.12
Net value per unit	8.86	8.59	8.94
Machinery cost per acre	116.45	127.27	87.31
Est. labor hours per acre	2.06	1.50	1.90

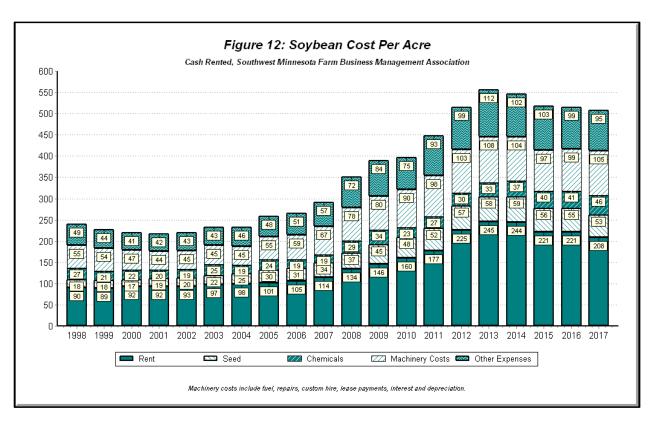
#### Soybeans on Cash Rent

	Avg. Of All Farms	Low 20%	High 20%
Number of farms	90	18	18
Acres 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	337.77 54.28 100.00 8.96 486.28 -1.22 6.68 16.98 508.73	310.78 49.00 100.00 8.84 433.21 -7.79 1.75 6.45 433.62	248.99 59.11 100.00 8.95 529.25 26.43 15.59 571.27
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Storage Fuel & oil Repairs Custom hire Hired labor Land rent Machinery leases Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	52.76 29.34 46.32 16.32 0.43 16.70 28.72 7.37 0.65 208.02 9.45 2.37 9.22 3.12 430.79 77.94	52.19 23.20 46.59 21.17 0.31 20.35 38.35 16.49 	58.04 24.85 42.00 20.06 0.70 16.04 26.11 8.06 0.03 187.20 4.12 0.65 4.70 1.17 393.73
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	9.65 1.13 0.92 7.55 3.98 2.44 2.51 45.48 2.85 76.51 507.30 1.43	11.00 1.31 12.16 5.83 2.15 2.50 54.68 1.99 91.63 529.53 -95.91	2.56 1.19 1.16 8.54 5.17 4.37 2.05 44.57 5.04 74.65 468.39 102.88
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	10.42 11.85 41.56 -29.72	16.79 -79.12 37.04 -116.16	20.29 123.18 49.65 73.53
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	7.94 9.35 8.74 9.51	8.94 10.81 10.46 11.21	6.66 7.92 6.87 7.71
Net value per unit Machinery cost per acre Est. labor hours per acre	8.94 105.00 1.75	8.68 128.22 1.75	8.95 96.36 2.06

#### Soybeans on Share Rent

	Avg. Of All Farms
Number of farms	14
Acres 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	148.28 57.60 54.79 8.91 281.10 2.23 2.05 285.38
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Storage Fuel & oil Repairs Custom hire Machinery leases Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	34.03 13.40 29.51 11.30 1.01 13.28 32.69 19.87 1.43 0.47 5.45 0.30 162.76 122.62
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	5.83 0.84 1.49 4.93 3.51 2.87 3.01 54.25 2.75 79.48 242.23 43.14
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	4.28 47.42 42.40 5.02
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	5.16 7.68 7.40 8.75
Net value per unit Machinery cost per acre Est. labor hours per acre	8.91 120.51 2.01





#### Corn Silage

	Owned <u>Land</u>	Cash <u>Rent</u>
Number of farms	10	10
Acres 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	87.29 22.63 100.00 28.86 653.09 1.00 4.35 658.44	83.52 25.20 100.00 29.37 740.10 0.10 2.95 743.14
Direct Expenses Seed and plants Fertilizer Crop chemicals Cover crop expense Crop insurance Fuel & oil Repairs Custom hire Land rent Machinery leases Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	116.77 68.38 38.55 0.69 12.91 16.76 40.94 35.62 9.13 0.05 3.89 3.65 347.34 311.10	104.04 85.31 33.68 10.87 10.58 30.19 11.39 206.02 21.71 2.72 6.33 522.85 220.30
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	18.21 3.52 34.93 5.67 4.46 2.52 51.47 74.04 2.29 197.10 544.44 114.00	7.01 1.78 3.15 5.75 1.63 2.72 63.27 1.86 87.16 610.01 133.14
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	15.50 129.50 48.00 81.50	14.34 147.47 45.77 101.70
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	15.35 24.06 23.14 25.26	20.75 24.21 23.52 25.33
Net value per unit Machinery cost per acre Est. labor hours per acre	28.86 180.46 2.03	29.37 133.10 1.72

#### Hay, Alfalfa

	Owned Land	Cash Rent
Number of farms	6	10
Acres Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Other crop income per acre Gross return per acre	98.67 5.42 100.00 87.96 476.40 5.67 482.07	86.20 4.68 100.00 109.57 512.61 0.34 512.95
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Land rent Machinery leases Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	0.65 50.70 7.28 - 14.38 31.21 27.75 - 1.76 - 3.48 5.00 142.22 339.85	2.29 52.32 35.56 16.81 18.39 27.32 6.70 0.93 187.78 1.79 9.96 1.16 361.00 151.95
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	7.30 5.62 39.99 6.37 3.78 2.41 52.74 108.81 4.31 231.34 373.56 108.51	12.26 7.67 8.69 5.16 2.20 4.77 36.85 4.75 82.35 443.35 69.60
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	17.40 125.91 56.65 69.26	1.33 70.93 41.43 29.50
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	26.26 68.97 64.71 75.17	77.17 94.77 94.41 103.27
Net value per unit Machinery cost per acre Est. labor hours per acre	87.96 183.04 2.11	109.57 96.38 3.11

#### **CRP** on Owned Land

	Avg. Of All Farms
Number of farms	19
Acres Yield per acre (\$) Operators share of yield % Value per \$ Other product return per acre Total product return per acre Gross return per acre  Direct Expenses Crop chemicals Fuel & oil Repairs Custom hire Operating interest	28.84 144.74 100.00 1.00 2.37 147.11 147.11 2.56 2.83 4.73 0.55 0.72
Total direct expenses per acre Return over direct exp per acre	11.39 135.72
Overhead Expenses  Hired labor  RE & pers. property taxes  Farm insurance  Utilities  Dues & professional fees Interest  Mach & bldg depreciation  Miscellaneous  Total overhead expenses per acre  Total dir & ovhd expenses per acre  Net return per acre	2.41 17.18 1.23 1.17 0.39 24.91 12.22 0.88 60.40 71.79 75.33
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	75.33 7.60 67.73
Cost of Production Total direct expense per \$ Total dir & ovhd exp per \$ Less govt & other income With labor & management	0.08 0.50 0.48 0.53
Net value per unit Machinery cost per acre Est. labor hours per acre	1.00 19.08 0.42

### **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 unit.

The livestock enterprise summaries include data from both Southwest Minnesota Farm Management Association farms and Minnesota State Farm Business Management program farms. This provides a greater numbers farms reporting for each enterprise, providing more accurate benchmark information. Minnesota State FBM programs are distributed across the state and include over 2,000 participating farms. We want to thank the Minnesota State 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 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 deducting an opportunity cost for unpaid labor and management. This is the return to equity capital.

Cost of Production 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. AII Fai	
Number of farms		9
Raised Hogs sold (lb) Transferred out (lb) Cull sales (lb) Other income Purchased (lb) Inventory change (lb) Gross margin	Quantity 2,380.3 16.5 31.0 -20.7 4.6	Value 1,240.07 8.57 18.96 0.56 -13.33 64.07 1,318.91
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 Operating interest Total direct expenses Return over direct expense	3,084.9 1.3 101.6 87.1	468.35 0.28 313.39 11.31 20.98 44.55 42.37 10.36 15.90 3.88 51.06 12.58 994.99 323.92
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		14.87 83.92 1.29 19.11 21.11 7.18 22.66 5.07 175.21 1,170.20 148.71
Labor & management charge Net return over lbr & mgt		47.04 101.67
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		57.66 67.82 66.26 68.98
Est. labor hours per unit		3.22
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 Hired labor per sow Avg wgt/Raised Hogs sold Avg price / cwt. Average carcass weight Average price / cwt. carcass		323.6 696 2.15 6.21 10.56 8.00 16.66 8.67 2 3.69 32.89 793.32 141.92 275 52.10 203 71.21

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

	Avg. C All Farn	
Number of farms		9
Raised Hogs sold (lb) Transferred out (lb) Cull sales (lb) Other income Purchased (lb) Inventory change (lb) Gross margin	Quantity 137.95 0.96 1.80 -1.20 0.27	Value 71.87 0.50 1.10 0.03 -0.77 3.71 76.44
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 Operating interest Total direct expenses Return over direct expense	178.78 0.07 5.89 5.05	27.14 0.02 18.16 0.66 1.22 2.58 2.46 0.60 0.92 0.23 2.96 0.73 57.66 18.77
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		0.86 4.86 0.07 1.11 1.22 0.42 1.31 0.29 10.15 67.82 8.62
Labor & management charge Net return over lbr & mgt		2.73 5.89
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		57.66 67.82 66.26 68.98
Est. labor hours per unit		0.19
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 litter Pigs weaned per litter Pigs sold per litter Percent substandard hogs Lb. of feed / lb. of gain Feed cost / cwt. of gain Feed cost per litter Hired labor per sow Avg wgt/Raised Hogs sold Avg price / cwt. Average carcass weight Average price / cwt. carcass		323.6 696 2.15 6.21 10.56 8.00 16.66 8.67 2 3.69 32.89 793.32 141.92 275 52.10 203 71.21

#### Hogs, Finish Feeder Pigs -- Average Per Head

	Avg. C All Farn	of ns	Low 2	20%	High 2	20%	
Number of farms		26		5		6	
Finish Hogs sold (lb) Transferred out (lb) Cull sales (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 278.1 2.5 1.5 -41.2 -5.1 3.5	Value 142.43 1.76 0.33 0.99 -55.47 -7.40 6.79 89.43	Quantity 242.6 13.4 0.2 -39.2 - 13.0	Value 125.38 7.67 0.06  -42.06 -15.52 5.36 80.88	Quantity 280.1 - 1.6 -51.2 - 5.3	Value 148.66 - 0.43 0.54 -66.75 - 9.57 92.45	
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 Livestock leases Hauling and trucking Operating interest Total direct expenses Return over direct expense	149.1 174.6 6.6 7.3 5.8	23.90 12.00 21.51 0.43 0.40 1.33 1.56 2.89 0.50 1.21 0.39 0.43 2.18 1.18 69.91 19.52	38.9 546.3 4.4 22.1 12.6	7.85 33.44 14.22 1.24 0.88 1.97 1.97 1.06 0.81 1.82 0.50 2.48 2.86 1.14 72.23 8.65	154.7 7.3 27.4	27.71 23.68 1.60 0.18 1.30 - 0.88 1.70 0.87 0.67 0.58 59.17 33.28	
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		1.11 6.59 0.26 1.06 0.71 0.80 2.14 0.57 13.25 83.15 6.28		1.69 5.28 0.54 1.41 1.88 0.75 1.95 0.72 14.20 86.44 -5.56		0.69 4.00 0.49 1.46 0.79 0.77 2.69 0.62 11.51 70.68 21.77	
Labor & management charge Net return over lbr & mgt		2.70 3.58		3.32 -8.88		3.89 17.87	
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		61.47 67.96 67.51 68.83		68.94 76.82 76.82 78.66		55.73 61.27 61.09 62.97	
Est. labor hours per unit		0.21		0.34		0.26	
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 Hired labor 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		10,220 9,356 3.5 2 1.80 2.95 24.32 58.24 1.25 41 275 55.64 51.21 205 69.14		8,456 7,604 3.6 1 1.74 3.78 25.05 57.63 1.73 52 273 55.32 51.69 205 69.25		3,448 3,010 3.2 2 1.76 2.51 22.43 52.98 0.69 43 271 56.40 53.06 205 71.00	

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

	Avg. O All Farm	f ns	Low 2	0%	High 2	0%
Number of farms		26		5		6
Finish Hogs sold (lb) Transferred out (lb) Cull sales (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 136.15 1.23 0.74 -20.19 -2.51 1.72	Value 69.72 0.86 0.16 0.48 -27.16 -3.62 3.33 43.78	Quantity 134.43 7.45 0.12 -21.71 - 7.19	Value 69.49 4.25 0.03 - -23.31 -8.60 2.97 44.83	Quantity 134.88 - 0.77 -24.65 - 2.55	Value 71.57 - 0.21 0.26 -32.14 - 4.61 44.51
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 Livestock leases Hauling and trucking Operating interest Total direct expenses Return over direct expense	73.00 85.45 3.23 3.57 2.86	11.70 5.87 10.53 0.21 0.20 0.65 0.76 1.41 0.25 0.59 0.19 0.21 1.07 0.58 34.22 9.56	21.57 302.78 2.46 12.25 7.00	4.35 18.53 7.88 0.69 0.49 1.09 1.09 0.59 0.45 1.01 0.28 1.37 1.58 0.63 40.03 4.79	74.49 3.53 13.18	13.34 - 11.40 0.77 - 0.09 0.62 - 0.43 0.82 0.42 - 0.32 0.28 28.49 16.02
Overhead Expenses Hired labor Building leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		0.54 3.23 0.52 0.35 0.39 1.05 0.40 6.48 40.71 3.07		0.94 2.92 0.78 1.04 0.42 1.08 0.70 7.87 47.91 -3.08		0.33 1.93 0.70 0.38 0.37 1.30 0.54 5.54 34.03 10.48
Labor & management charge Net return over lbr & mgt		1.32 1.75		1.84 <b>-</b> 4.92		1.88 8.61
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		61.47 67.96 67.51 68.83		68.94 76.82 76.82 78.66		55.73 61.27 61.09 62.97
Est. labor hours per unit		0.10		0.19		0.13
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 Hired labor 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		10,220 9,356 3.5 2 1.80 2.95 24.32 58.24 1.25 41 275 55.64 51.21 205 69.14		8,456 7,604 3.6 1 1.74 3.78 25.05 57.63 1.73 52 273 55.32 51.69 205 69.25		3,448 3,010 3.2 2 1.76 2.51 22.43 52.98 0.69 43 271 56.40 53.06 205 71.00

#### Hogs, Weaning to Finish -- Average Per Head

	Avg. C All Farn		Low 2	20%	High 2	20%
Number of farms		28		5	_	6
Wean-Fin Pig sold (lb) Transferred out (lb) Cull sales (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 268.6 1.6 1.4 -13.8 -1.9 7.7	Value 146.56 1.52 0.48 2.57 -38.72 -7.43 4.77 109.76	Quantity 327.5 0.913.1 -0.1 -52.3	Value 169.13 1.00 - 0.02 -38.94 -0.33 -33.44 97.45	Quantity 253.9 1.1 0.8 -12.6 21.4	Value 147.92 0.55 0.29 -0.11 -37.97 - 13.08 123.76
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Protein Supplement (lb.) DDGS, dry (lb.) Other feed stuffs (lb) Veterinary Supplies Contract production exp. Repairs Custom hire Hired labor Hauling and trucking Operating interest Total direct expenses Return over direct expense	157.6 67.4 7.4 4.4 82.3 4.9	27.28 6.38 23.54 0.72 4.52 1.64 3.81 3.62 5.48 1.77 1.92 1.91 1.71 0.86 85.15 24.61	132.1 196.2 9.5 45.7 5.1 1.6	23.68 17.53 30.20 7.44 0.32 0.21 5.24 3.55 10.90 2.57 0.15 2.84 3.33 1.74 109.70 -12.25	143.2 82.3 7.6 - 103.8 19.3	20.10 9.15 23.58 5.47 6.31 3.24 2.74 10.24 2.64 1.89 2.53 1.11 1.26 90.26 33.50
Overhead Expenses Building leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		6.61 0.93 0.53 0.85 2.84 1.64 13.41 98.56 11.20		1.22 1.11 0.51 2.66 1.51 7.02 116.72 -19.27		0.90 0.48 1.10 4.01 0.34 6.82 97.08 26.68
Labor & management charge Net return over lbr & mgt		4.07 7.13		4.84 -24.10		3.68 23.00
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		63.36 70.11 68.87 70.92		74.64 77.51 77.51 79.49		61.59 65.24 65.33 67.30
Est. labor hours per unit		0.26		0.40		0.27
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 Hired labor 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		20,506 18,195 5.8 2 1.46 2.79 24.29 64.07 2.76 15 265 41.15 54.56 199 73.28		9,116 11,858 5.2 1 1.28 3.29 30.19 79.38 2.84 14 270 41.39 51.65 203 69.05		23,937 20,219 6.6 2 1.46 3.06 24.42 64.62 2.53 13 250 37.75 58.27 187 78.80

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

	Avg. O All Farm		Low 2	20%	High 2	20%	
Number of farms		28		5		6	
Wean-Fin Pig sold (lb) Transferred out (lb) Cull sales (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 135.16 0.78 0.71 -6.94 -0.98 3.85	Value 73.74 0.77 0.24 1.29 -19.48 -3.74 2.40 55.22	Quantity 134.01 0.395.36 -0.06 -21.38	Value 69.22 0.41 - 0.01 -15.94 -0.13 -13.68 39.88	Quantity 136.16 0.57 0.41 -6.75 - 11.48	Value 79.34 0.29 0.16 -0.06 -20.37 - 7.01 66.38	
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Protein Supplement (lb.) DDGS, dry (lb.) Other feed stuffs (lb) Veterinary Supplies Contract production exp. Repairs Custom hire Hired labor Hauling and trucking Operating interest Total direct expenses Return over direct expense	79.28 33.90 3.72 2.22 41.42 2.49	13.72 3.21 11.84 0.36 2.27 0.83 1.92 1.82 2.76 0.89 0.96 0.96 0.43 42.84 12.38	54.04 80.30 3.87 18.71 2.09 0.65	9.69 7.17 12.36 3.04 0.13 0.09 2.14 1.45 4.46 1.05 0.06 1.16 1.36 0.71 44.89 -5.01	76.83 44.14 4.06 - 55.67 10.34	10.78 4.91 12.65 - 2.94 3.39 1.74 1.47 5.49 1.42 1.01 1.36 0.60 0.68 48.42 17.97	
Overhead Expenses Building leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		3.33 0.47 0.27 0.43 1.43 0.83 6.75 49.59 5.64		0.50 0.45 0.21 1.09 0.62 2.87 47.77 -7.89		0.48 0.26 0.59 2.15 0.18 3.66 52.07 14.31	
Labor & management charge Net return over lbr & mgt		2.05 3.59		1.98 -9.86		1.97 12.34	
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		63.36 70.11 68.87 70.92		74.64 77.51 77.51 79.49		61.59 65.24 65.33 67.30	
Est. labor hours per unit		0.13		0.17		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 Hired labor 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		20,506 18,195 5.8 2 1.46 2.79 24.29 64.07 2.76 15 265 41.15 54.56 199 73.28		9,116 11,858 5.2 1 1.28 3.29 30.19 79.38 2.84 14 270 41.39 51.65 203 69.05		23,937 20,219 6.6 2 1.46 3.06 24.42 64.62 2.53 13 250 37.75 58.27 187 78.80	

#### Hogs, Finish Feeder Pigs (Contract Grower) -- Average Per Pig Space

	Avg. Of All Farms		<b>Low 20%</b>		<b>High 20%</b>	
Number of farms						
	Quantity	Value	Quantity	Value	Quantity	Value
Transferred out (lb)	-	21.27	-	12.52	-	24.85
Otherincome		17.57		23.66		17.03
Gross margin		38.84		36.17		41.88
Direct Expenses						
Supplies		1.83		3.23		1.09
Fuel & oil		1.26		1.39		1.02
Repairs		3.34		4.54		1.83
Custom hire		0.40		0.71		0.68
Hired labor		1.79		0.77		1.64
Livestock leases		0.06		0.37		-
Utilities		1.08		1.59		1.07
Operating interest		0.43		0.10		1.64
Total direct expenses		10.19		12.70		8.97
Return over direct expense		28.65		23.47		32.91
Overhead Expenses						
Hired labor		0.47		0.00		0.42
Building leases		0.29		-		-
RE & pers. property taxes		0.69		1.87		0.25
Farm insurance		2.03		2.29		1.46
Utilities		2.04		1.48		1.56
Dues & professional fees		0.27		0.67		0.12
Interest		3.82		8.30		2.58
Mach & bldg depreciation		8.13		10.33		5.77
Miscellaneous		0.77		1.21		0.66
Total overhead expenses		18.50		26.15		12.84
Total dir & ovhd expenses		28.70		38.85		21.81
Net return		10.15		-2.68		20.07
Labor & management charge		7.34		7.23		7.37
Net return over lbr & mgt		2.80		-9.91		12.70
Cost of Production Per Pig Space						
Total direct expense per unit		10.19		12.70		8.97
Total dir& ovhd expense per unit		28.70		38.85		21.81
Est. labor hours per unit		0.46		0.58		0.29
Other Information						
Number of pigs		6,355		6,280		5,727
Pigs per pig space (per year)		2.38		2.88		2.10
Pigs per 100 sq. ft. (per yr)		31.10		38.52		28.61
Net return per 100 sq. ft.		132.53		-35.89		273.16
Net return per labor hour		22.08		-4.65		69.61
Square feet per pig space		7.66		7.47		7.35

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#### Hogs, Weaning to Finish (Contract Grower) -- Average Per Pig Space

	Avg. Of All Farms 64		Low 2	20%	High 20%	
Number of farms			12		13	
Transferred out (lb)	Quantity 15.3	Value 20.40	Quantity 74.8	Value 25.61	Quantity 4.3	Value 22.69
Other income	15.3	20.40 18.98	74.0	7.76	4.3	22.09
Gross margin		39.38		33.37		44.07
Cross margin		55.50		55.57		44.07
Direct Expenses						
Supplies		1.33		2.67		0.47
Fuel & oil		1.53		1.70		1.19
Repairs		4.09		5.56		3.57
Custom hire		1.45		0.57		0.97
Hired labor		1.18		1.75		0.35
Utilities		1.32		1.06		2.08
Operating interest		0.25		0.38		0.15
Total direct expenses		11.16		13.68		8.78
Return over direct expense		28.22		19.68		35.29
Overhead Expenses						
Hired labor		0.51		0.52		0.47
Building leases		0.61		3.32		-
RE & pers. property taxes		0.97		1.44		0.34
Farm insurance		2.05		2.44		1.64
Utilities		1.64		2.01		1.47
Dues & professional fees		0.28		0.69		0.01
Interest		4.52		6.30		3.29
Mach & bldg depreciation		7.36		8.40		5.18
Miscellaneous		0.84 18.78		1.32 26.44		0.52 12.92
Total die % cyled cynonese		18.78 29.94		26. <del>44</del> 40.12		12.92 21.71
Total dir & ovhd expenses Net return		29.9 <del>4</del> 9.44		-6.76		22.37
NetTetum		9.44		-0.70		22.31
Labor & management charge		6.20		7.27		6.44
Net return over lbr & mgt		3.24		-14.03		15.93
Cost of Production Per Pig Space						
Total direct expense per unit		11.16		13.68		8.78
Total dir& ovhd expense per unit		29.94		40.12		21.71
Est. labor hours per unit		0.34		0.30		0.24
Other Information						
Number of pigs		7,164		5,998		7,206
Pigs per pig space (per year)		2.45		2.59		2.38
Pigs per 100 sq. ft. (per yr)		32.53		35.40		31.94
Net return per 100 sq. ft.		125.41		-92.32		300.63
Net return per labor hour		27.55		-22.19		92.16
Square feet per pig space		7.52		7.32		7.44

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#### Beef Cow-Calf -- Average Per Cow

	Avg. Of All Farms		Low	20%	High 20%	
Number of farms	139			27	_	28
Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) Otherincome Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 308.2 180.4 87.3 -31.1 -19.6 -0.6	Value 433.70 288.19 107.17 6.75 -139.40 -47.31 103.88 754.81	Quantity 94.3 242.9 150.3 -32.9 -50.0 -3.4	Value 125.23 365.24 111.31 6.29 -53.02 -44.44 -37.00 473.60	Quantity 416.5 179.9 100.9 -88.5 -21.0 12.3	Value 581.26 270.01 91.98 9.34 -216.63 -37.73 258.03 963.77
Pirect Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Hay (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Utilities Operating interest Total direct expenses Return over direct expense	304.0 105.9 4,500.8 1,284.5 3,707.2 3.8 1,245.4 2,041.1	45.45 9.82 66.76 55.81 111.69 55.20 36.90 33.34 33.94 39.26 25.36 44.76 5.72 5.01 14.64 583.66 171.15	295.7 271.5 5,331.7 4,304.3 2,434.1 2.4 - 1,063.4	55.72 15.24 77.87 182.65 73.16 37.84 - 14.71 37.28 40.85 31.18 66.63 0.15 11.73 21.83 666.84 -193.24	307.8 187.4 5,967.0 869.9 1,650.9 2.2 2,476.2 3,590.0	47.00 18.40 90.02 38.05 45.09 32.01 70.56 56.25 39.20 42.29 21.32 33.85 7.58 1.94 9.42 552.99 410.78
Overhead Expenses  Hired labor  RE & pers. property taxes Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		6.72 7.20 14.23 12.49 40.81 41.56 20.70 143.73 727.39 27.43		15.43 16.39 27.99 15.16 61.50 99.71 20.25 256.43 923.27 -449.67		7.87 3.75 10.76 9.22 22.34 32.02 17.56 103.52 656.51 307.26
Labor & management charge Net return over lbr & mgt		101.19 -73.76		142.38 -592.05		103.08 204.18
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		110.66 137.91 136.09 155.28		164.40 227.62 232.22 267.32		91.78 108.97 101.87 118.98
Est. labor hours per unit		9.16		12.59		7.42
Other Information Number of cows Pregnancy percentage Pregnancy loss percentage Culling percentage Calving percentage Weaning 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.		79.1 95.3 1.6 12.1 93.8 88.2 0.83 5.2 2.2 305.6 539 475 414.96 661 140.73		44.3 96.0 1.4 12.4 94.7 87.5 0.80 6.4 4.0 222.3 549 481 457.19 591 132.78		95.1 98.5 1.5 9.6 97.0 93.9 0.92 3.3 1.9 377.2 540 508 397.38 696 139.57

#### Beef Cow-Calf -- Average Per Cwt. Produced

	Avg. C All Farn		Low:	20%	High 20%	
Number of farms	139			27	28	
Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 58.43 34.20 16.55 -5.90 -3.72 -0.11	Value 82.23 54.64 20.32 1.28 -26.43 -8.97 19.70 143.11	Quantity 23.25 59.89 37.05 -8.11 -12.33 -0.84	Value 30.87 90.04 27.44 1.55 -13.07 -10.96 -9.12 116.76	Quantity 69.12 29.87 16.75 -14.69 -3.48 2.04	Value 96.48 44.82 15.27 1.55 -35.96 -6.26 42.83 159.97
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Hay (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Utilities Operating interest Total direct expenses Return over direct expense	57.64 20.08 853.37 243.54 702.89 0.71 236.14 386.99	8.62 1.86 12.66 10.58 21.18 10.47 7.00 6.32 6.43 8.53 4.81 8.49 0.95 2.78 110.66 32.45	72.91 66.94 1,314.45 1,061.15 600.08 0.60 - 262.17	13.74 3.76 19.20 45.03 18.04 9.33 3.63 9.19 10.11 7.69 16.43 2.89 5.38 164.40	51.09 31.11 990.39 144.38 274.01 0.36 410.99 595.86	7.80 3.05 14.94 6.32 7.48 5.31 11.71 9.34 6.51 8.28 3.54 5.62 0.32 1.56 91.78 68.18
Overhead Expenses Hired labor RE & pers. property taxes Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		1.27 1.37 2.70 2.37 7.74 7.88 3.93 27.25 137.91 5.20		3.80 4.04 6.90 3.74 15.16 24.58 4.99 63.22 227.62 -110.86		1.31 0.62 1.79 1.53 3.71 5.31 2.91 17.18 108.97 51.00
Labor & management charge Net return over lbr & mgt		19.19 -13.99		35.10 -145.96		17.11 33.89
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		110.66 137.91 136.09 155.28		164.40 227.62 232.22 267.32		91.78 108.97 101.87 118.98
Est. labor hours per unit		1.74		3.11		1.23
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.		79.1 95.3 1.6 12.1 93.8 88.2 0.83 5.2 2.2 305.6 539 475 414.96 661 140.73		44.3 96.0 1.4 12.4 94.7 87.5 0.80 6.4 4.0 222.3 549 481 457.19 591 132.78		95.1 98.5 1.5 9.6 97.0 93.9 0.92 3.3 1.9 377.2 540 508 397.38 696 139.57

#### Beef Finishing -- Average Per Head

	Avg. Of All Farms 79		Low	20%	<b>High 20%</b>	
Number of farms				15		
Finish Beef sold (lb) Transferred out (lb) Cull sales (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 1,364.8 14.4 0.1 -622.4 -53.0 -6.7	Value 1,632.47 21.13 0.06 -1.71 -936.63 -77.87 78.04 715.51	Quantity 1,350.0 6.5 - -602.5 -54.1 -99.3	Value 1,549.96 7.46  -23.46 -906.71 -86.36 -20.40 520.49	Quantity 1,273.8 19.4 - - -467.6 -79.6 17.4	Value 1,563.41 32.02 - 28.11 -633.37 -110.16 120.59 1,000.61
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) DDGS, dry (lb.) Other feed stuffs (lb) Veterinary Supplies Contract production exp. Fuel & oil Repairs Hauling and trucking Operating interest Total direct expenses Return over direct expense	326.8 154.8 54.9 2,245.5 289.6 321.7 807.5 1,405.6	59.57 15.37 168.44 30.07 13.21 11.72 27.15 31.21 16.03 30.99 12.04 12.92 24.27 12.32 15.27 480.59 234.92	305.5 87.4 55.3 2,476.8 296.3 324.2 655.2 2,872.8	90.76 12.04 162.00 36.34 10.72 10.43 40.95 18.80 9.43 25.20 17.49 22.88 10.04 17.57 484.66 35.83	330.3 1,019.7 53.4 2,282.8 367.0 414.7 65.1 1,676.7	59.13 76.49 169.43 10.26 12.55 14.48 5.60 35.59 12.11 13.87 6.10 6.76 27.92 17.79 12.19 480.26 520.34
Overhead Expenses RE & pers. property taxes Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		2.80 10.94 6.98 7.52 38.27 17.61 84.12 564.72 150.79		9.52 10.75 9.45 18.58 63.86 13.98 126.13 610.79 -90.30		1.70 12.65 2.90 2.40 17.78 23.81 61.24 541.50 459.11
Labor & management charge Net return over lbr & mgt		41.36 109.44		51.96 -142.27		36.04 423.07
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		102.23 108.33 108.96 111.96		109.74 119.04 121.47 125.30		84.74 89.47 87.87 90.66
Est. labor hours per unit		2.97		3.40		3.38
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 Hired labor per head Average purchase weight Avg wgt / Finish Beef sold Avg sales price / cwt.		219 215 0.8 2.74 7.10 9.37 50.72 356.74 17.53 670 1,358 150.48 119.61		159 169 1.4 2.34 6.95 10.08 62.72 382.04 8.02 720 1,352 150.48 114.81		125 117 1.8 2.19 6.41 9.20 49.86 383.53 7.97 544 1,297 135.45 122.74

#### Beef Finishing -- Average Per Cwt. Produced

	Avg. Of All Farms		Low	20%	High :	20%	
Number of farms	79			15		16	
Finish Beef sold (lb) Transferred out (lb) Cull sales (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 194.03 2.05 0.01 -88.49 -7.54 -0.95	Value 232.08 3.00 0.01 -0.24 -133.15 -11.07 11.09 101.72	Quantity 221.61 1.07 - -98.91 -8.87 -16.30	Value 254.44 1.22 - -3.85 -148.85 -14.18 -3.35 85.44	Quantity 165.58 2.52 - -60.78 -10.34 2.26	Value 203.23 4.16 - 3.65 -82.33 -14.32 15.68 130.07	
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) DDGS, dry (lb.) Other feed stuffs (lb) Veterinary Supplies Contract production exp. Fuel & oil Repairs Hauling and trucking Operating interest Total direct expenses Return over direct expense	46.45 22.00 7.81 319.22 41.16 45.74 114.79 199.83	8.47 2.19 23.95 4.28 1.88 1.67 3.86 4.44 2.28 4.41 1.71 1.84 3.45 1.75 2.17 68.32 33.40	50.16 14.36 9.08 406.59 48.65 53.22 107.55 471.61	14.90 1.98 26.59 5.97 1.76 1.71 6.72 3.09 1.55 4.14 2.87 3.76 1.65 2.88 79.56 5.88	42.93 132.55 6.95 296.75 47.70 53.91 8.47 217.96	7.69 9.94 22.03 1.33 1.63 1.88 0.73 4.63 1.57 1.80 0.79 0.88 3.63 2.31 1.58 62.43 67.64	
Overhead Expenses RE & pers. property taxes Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		0.40 1.55 0.99 1.07 5.44 2.50 11.96 80.28 21.44		1.56 1.76 1.55 3.05 10.48 2.29 20.71 100.27 -14.82		0.22 1.64 0.38 0.31 2.31 3.09 7.96 70.39 59.68	
Labor & management charge Net return over lbr & mgt		5.88 15.56		8.53 -23.35		4.69 55.00	
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		102.23 108.33 108.96 111.96		109.74 119.04 121.47 125.30		84.74 89.47 87.87 90.66	
Est. labor hours per unit		0.42		0.56		0.44	
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 Hired labor per head Average purchase weight Avg wgt / Finish Beef sold Avg sales price / cwt.		219 215 0.8 2.74 7.10 9.37 50.72 356.74 17.53 670 1,358 150.48 119.61		159 169 1.4 2.34 6.95 10.08 62.72 382.04 8.02 720 1,352 150.48 114.81		125 117 1.8 2.19 6.41 9.20 49.86 383.53 7.97 544 1,297 135.45 122.74	

#### Dairy -- Average Per Cow

	Avg. Of All Farms		Low	20%	High 20%	
Number of farms		396		79		80
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 24,488.0 0.3 0.6 0.3 0.0 0.4 0.0	Value 4,387.85 45.33 35.85 233.83 47.18 -31.95 -60.77 51.26 -574.59 4,134.11	Quantity 22,840.7 0.3 0.6 0.3 0.0 0.4 0.0	Value 3,952.25 81.14 19.10 215.57 37.01 -36.05 -27.65 -35.94 -684.40 3,521.03	Quantity 25,020.8 0.3 0.6 0.3 0.0 0.4 0.1	Value 4,720.69 35.90 46.95 211.10 44.90 -34.99 -87.76 119.87 -472.29 4,584.82
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 Utilities Bedding Total direct expense Return over direct expense	3,338.1 2,699.5 65.6 18,093.7 3,045.0 4,512.1 2,695.3	686.73 335.86 207.07 290.01 159.81 134.48 122.59 47.94 114.70 326.38 69.67 153.08 71.03 355.95 38.52 80.81 3,194.63 939.48	2,232.6 2,345.5 71.1 18,290.4 3,833.9 4,345.3 2,381.7	479.10 546.90 223.46 297.77 216.74 120.72 100.55 53.67 125.83 321.67 67.25 154.97 92.01 429.63 68.19 76.61 3,375.06 145.97	3,838.6 4,675.7 61.9 18,142.9 2,253.7 4,038.2 3,699.2	711.06 234.75 187.43 273.11 120.36 132.61 194.89 43.86 6115.73 306.61 65.27 162.24 72.43 289.37 32.74 60.96 3,003.42 1,581.41
Overhead Expenses  Hired labor Building leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		98.81 57.83 46.98 60.93 88.80 168.06 58.39 579.79 3,774.42 359.70		79.64 90.46 53.84 43.26 125.49 185.91 59.82 638.42 4,013.48 -492.45		105.83 21.49 41.50 64.68 79.16 181.16 58.27 552.10 3,555.52 1,029.30
Labor & management charge Net return over lbr & mgt		191.23 168.47		161.49 -653.94		237.68 791.63
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		12.97 15.32 16.44 17.22		14.70 17.48 19.44 20.15		11.93 14.13 14.76 15.70
Est. labor hours per unit		41.62		42.76		38.48
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 Hired labor per cow Avg. milk price per cwt. Milk price / feed margin		205.6 24,637 5,034,455 1,647,545 29.9 36.6 6.2 113.4 5.31 7.86 1,936.55 454.76 17.92		161.5 22,955 3,687,706 1,495,715 29.0 37.1 7.3 105.4 5.44 8.65 1,985.24 509.27 17.30 8.66		240.7 25,170 6,023,433 1,820,743 27.2 33.5 5.8 111.7 5.08 7.37 1,854.21 395.20 18.87
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#### Dairy -- Average Per Cwt. Of Milk

	Avg. Of All Farms		Low 2	20%	<u> </u>	
Number of farms	396			79		80
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 99.39 0.00 0.00 0.00 0.00 0.00 0.00	Value 17.81 0.18 0.15 0.95 0.19 -0.13 -0.25 0.21 -2.33 16.78	Quantity 99.50 0.00 0.00 0.00 0.00 0.00 0.00	Value 17.22 0.35 0.08 0.94 0.16 -0.16 -0.12 -0.16 -2.98 15.34	Quantity 99.41 0.00 0.00 0.00 0.00 0.00 0.00	Value 18.76 0.14 0.19 0.84 0.18 -0.14 -0.35 0.48 -1.88 18.22
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 Utilities Bedding Total direct expenses Return over direct expense	13.55 10.96 0.27 73.44 12.36 18.31 10.94	2.79 1.36 0.84 1.18 0.65 0.55 0.50 0.19 0.47 1.32 0.28 0.62 0.29 1.44 0.16 0.33 12.97 3.81	9.73 10.22 0.31 79.68 16.70 18.93 10.38	2.09 2.38 0.97 1.30 0.94 0.53 0.44 0.23 0.55 1.40 0.29 0.68 0.40 1.87 0.30 0.33 14.70	15.25 18.58 0.25 72.08 8.95 16.04 14.70	2.83 0.93 0.74 1.09 0.48 0.53 0.77 0.17 0.46 1.22 0.26 0.64 0.29 1.15 0.13 0.24 11.93 6.28
Overhead Expenses  Hired labor Building leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		0.40 0.23 0.19 0.25 0.36 0.68 0.24 2.35 15.32 1.46		0.35 0.39 0.23 0.19 0.55 0.81 0.26 2.78 17.48		0.42 0.09 0.16 0.26 0.31 0.72 0.23 2.19 14.13 4.09
Labor & management charge Net return over lbr & mgt		0.78 0.68		0.70 -2.85		0.94 3.15
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		12.97 15.32 16.44 17.22		14.70 17.48 19.44 20.15		11.93 14.13 14.76 15.70
Est. labor hours per unit		0.17		0.19		0.15
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 Hired labor per cow Avg. milk price per cwt. Milk price / feed margin		205.6 24,637 5,034,455 1,647,545 29.9 36.6 6.2 113.4 5.31 7.86 1,936.55 454.76 17.92		161.5 22,955 3,687,706 1,495,715 29.0 37.1 7.3 105.4 5.44 8.65 1,985.24 509.27 17.30 8.66		240.7 25,170 6,023,433 1,820,743 27.2 33.5 5.8 111.7 5.08 7.37 1,854.21 395.20 18.87
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#### Dairy Replacement Heifers -- Average Per Head

	Avg. C All Farr	Of ns	Low	20%	High 20%	
Number of farms	364			72	73	
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 0.0 0.1	Value 46.23 567.40 3.80 1.61 -20.38 -123.52 44.21 519.35	Quantity 0.2 0.5 0.0 0.0 0.0 0.6 0.0	Value 57.29 386.17 4.08 1.64 -7.24 -140.39 -70.02 231.54	Quantity 0.1 0.4 0.0 0.1 0.6 0.2	Value 67.05 669.12 3.79 1.74 -64.38 -114.11 143.50 706.70
Direct Expenses Protein Vit Minerals (lb.) Milk (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Haylage, Alfalfa (lb.) Hay(lb.) Other feed stuffs (lb) Breeding fees Veterinary Supplies Contract production exp. Repairs Custom hire Hired labor Bedding Total direct expenses Return over direct expense	455.8 109.4 389.5 5.7 4,312.0 897.8 654.9 1,010.2 97.5 1,239.0	88.33 17.04 60.04 17.62 62.99 50.20 23.96 29.89 4.43 49.79 17.51 19.12 32.00 81.04 25.21 4.89 42.36 19.76 646.16 -126.81	578.2 151.8 601.6 9.8 5,246.9 1,233.9 978.7 724.9 358.3 1,777.9	132.34 26.17 102.01 30.43 80.79 68.19 37.78 22.24 17.74 75.02 15.63 24.21 40.64 58.41 26.84 14.39 39.64 18.97 831.43 -599.89	379.8 70.5 327.2 3.2 2,112.4 795.8 626.7 556.3 39.4 1,103.7	64.24 12.28 51.51 10.37 32.57 48.88 20.82 15.71 0.85 41.33 19.52 11.36 27.01 136.65 18.19 4.50 37.40 18.58 571.78
Overhead Expenses Hired labor Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		24.92 12.00 15.84 29.87 26.20 108.83 754.99 -235.64		26.66 11.58 21.83 32.96 27.74 120.77 952.20 -720.66		4.78 10.67 12.26 19.85 17.27 64.83 636.61 70.09
Labor & management charge Net return over lbr & mgt		33.01 -268.65		41.27 -761.93		24.79 45.30
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		2.03 2.33 2.33 2.42		2.86 3.19 3.19 3.30		1.65 1.82 1.82 1.89
Est. labor hours per unit		6.89		6.94		6.09
Other Information No. purchased or trans in Number sold or trans out Average number of head Percentage death loss Feed cost per average head Hired labor per average head Feed cost/head sold/trans Total cost/head sold/trans Feed cost per head per day Avg. purchase weight Avg. purch price / head Avg. sales price / head		113 95 178 6.8 404.29 67.28 752.90 1,643.06 1.11 11 649.67 457.09		74 78 124 9.0 592.72 66.30 946.88 1,925.65 1.62 - 1,846.06 331.37		167 120 232 4.5 298.56 42.18 577.16 1,335.53 0.82 12 592.02 773.58

#### Dairy and Repl Heifers -- Average Per Cow

	Avg. AII Fai		Low	20%	<u> </u>	
Number of farms	329		65			66
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 24,763.6 - - - - - -	Value 4,428.22 76.20 16.32 239.39 47.26 -41.31 -9.98 95.74 4,851.99	Quantity 22,983.0 - - - - - -	Value 3,963.55 112.94 10.04 220.20 41.48 -34.39 -6.56 -60.63 4,246.64	Quantity 25,035.2 - - - - - -	Value 4,729.29 64.44 19.11 213.83 37.79 -74.76 -8.48 245.26 5,227.04
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 Contract production exp. Fuel & oil Repairs Custom hire Hired labor Utilities Bedding Total direct expenses Return over direct expense	3,704.3 2,406.2 71.3 21,659.7 3,793.5 5,339.0 4,284.3	749.45 406.15 225.63 343.66 199.36 154.74 201.01 64.86 132.63 344.11 121.10 80.24 173.48 77.70 431.84 41.21 102.10 3,849.26 1,002.73	2,344.5 3,022.0 80.2 21,914.3 4,173.0 5,891.8 4,459.1	519.31 639.99 252.56 352.05 222.72 162.52 183.46 71.90 151.97 338.63 132.32 76.95 175.27 90.11 475.44 74.16 85.57 4,004.93 241.70	3,946.2 1,921.9 63.9 21,027.6 2,595.5 4,961.5 5,121.0	756.01 302.49 193.18 316.64 141.92 154.60 286.32 60.45 133.63 319.18 103.26 75.51 183.86 82.12 373.97 33.39 87.95 3,604.50 1,622.54
Overhead Expenses Hired labor Building leases Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		94.90 73.14 99.28 190.67 184.53 642.51 4,491.77 360.22		94.32 106.65 151.30 207.64 175.24 735.15 4,740.08 -493.45		70.65 29.67 94.76 208.15 181.39 584.61 4,189.11 1,037.93
Labor & management charge Net return over lbr & mgt		201.66 158.56		177.80 -671.24		238.32 799.61
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		15.45 18.03 16.42 17.23		17.33 20.51 19.38 20.15		14.30 16.62 14.75 15.69
Est. labor hours per unit		48.92		48.93		45.74
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 Hired labor per cow Avg. milk price per cwt. Milk price / feed margin		214.4 24,911 5,309,953 1,417,290 30.2 36.7 6.2 113.9 6.25 9.15 2,279.99 526.73 17.88 8.73		172.4 23,106 3,961,495 1,315,131 29.5 37.5 7.3 107.8 6.39 10.10 2,332.61 569.75 17.25 7.15		237.6 25,202 5,947,998 1,532,613 26.8 33.2 5.9 113.1 5.89 8.54 2,151.17 444.62 18.89 10.35

#### Dairy Finishing -- Average Per Head

	Avg. Of All Farms		Low 20%		High 20%	
Number of farms				23	24	
Dairy Finish sold (lb) Transferred out (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 1,302.9 4.9 -312.0 -22.7 40.7	Value 1,263.01 4.51 5.11 -348.69 -34.71 47.30 936.53	Quantity 1,156.3 3.7 -151.7 -39.4 -39.9	Value 1,033.89 3.35 33.24 -204.40 -78.16 -91.15 696.78	Quantity 1,365.4 9.0 -154.9 -43.1 -2.8	Value 1,376.02 9.63 8.47 -214.34 -55.93 64.21 1,188.06
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) DDGS, dry (lb.) Corn snaplage (lb.) Other feed stuffs (lb) Veterinary Supplies Contract production exp. Fuel & oil Repairs Hired labor Marketing Bedding Operating interest Total direct expenses Return over direct expense	674.3 179.7 99.2 1,610.8 203.7 106.9 1,504.4	133.21 29.27 304.58 24.72 14.90 3.89 53.64 25.80 32.92 4.05 13.22 25.61 9.42 10.78 14.31 20.35 720.65 215.88	835.7 256.2 105.2 1,408.7 346.7 551.7 966.2	166.58 25.42 312.51 19.31 21.05 22.07 72.91 29.15 18.05 33.66 17.08 28.54 1.06 16.93 32.00 6.86 823.17 -126.39	778.5 16.2 102.8 1,524.0 387.3 766.3	144.09 3.41 316.91 20.10 29.52 31.49 31.06 17.81 8.90 22.80 20.35 11.92 17.14 13.11 688.61 499.45
Overhead Expenses Hired labor Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		9.71 11.49 8.37 17.77 36.52 22.30 106.16 826.81 109.72		16.11 18.14 16.47 25.39 51.36 21.77 149.25 972.42 -275.65		14.24 9.86 7.71 11.86 35.13 13.52 92.32 780.93 407.12
Labor & management charge Net return over lbr & mgt		42.59 67.13		49.67 -325.32		40.14 366.98
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		79.90 88.02 88.53 91.79		100.32 113.19 113.19 117.47		64.48 71.20 71.20 74.12
Est. labor hours per unit		4.48		5.20		4.04
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 Hired labor per head Average purchase weight Avg wgt / Dairy Finish sold Avg sales price / cwt.		173 158 2.7 2.45 6.99 8.35 55.10 564.20 19.13 382 1,398 426.67 96.94		87 79 3.9 2.11 8.43 9.43 66.81 639.84 17.18 239 1,400 321.70 89.42		179 163 2.8 2.53 6.14 6.95 46.20 545.52 34.59 246 1,429 340.24 100.78

#### Dairy Finishing -- Average Per Cwt. Produced

	Avg. C All Farn		Low	20%	High 20%	
Number of farms	116		23		24	
Dairy Finish sold (lb) Transferred out (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 127.23 0.48 -30.47 -2.21 3.98	Value 123.34 0.44 0.50 -34.05 -3.39 4.62 91.46	Quantity 120.73 0.38 -15.84 -4.11 -4.17	Value 107.96 0.35 3.47 -21.34 -8.16 -9.52 72.76	Quantity 115.64 0.76 -13.12 -3.65 -0.24	Value 116.54 0.82 0.72 -18.15 -4.74 5.44 100.62
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) DDGS, dry (lb.) Corn snaplage (lb.) Other feed stuffs (lb) Veterinary Supplies Contract production exp. Fuel & oil Repairs Hired labor Marketing Bedding Operating interest Total direct expenses Return over direct expense	65.85 17.55 9.69 157.30 19.90 10.44 146.91	13.01 2.86 29.74 2.41 1.45 0.38 5.24 2.52 3.21 0.40 1.29 2.50 0.92 1.05 1.40 1.99 70.38 21.08	87.26 26.75 10.99 147.09 36.20 57.61 100.89	17.39 2.65 32.63 2.02 2.20 2.30 7.61 3.04 1.88 3.51 1.78 2.98 0.11 1.77 3.34 0.72 85.95 -13.20	65.94 1.37 8.71 129.07 32.80 64.90	12.20 0.29 26.84 1.70 2.50 2.67 2.63 1.51 0.75 1.93 1.72 1.01 1.45 1.11 58.32 42.30
Overhead Expenses Hired labor Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		0.95 1.12 0.82 1.74 3.57 2.18 10.37 80.74 10.71		1.68 1.89 1.72 2.65 5.36 2.27 15.58 101.54 -28.78		1.21 0.83 0.65 1.00 2.98 1.15 7.82 66.14 34.48
Labor & management charge Net return over lbr & mgt		4.16 6.56		5.19 -33.97		3.40 31.08
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		79.90 88.02 88.53 91.79		100.32 113.19 113.19 117.47		64.48 71.20 71.20 74.12
Est. labor hours per unit		0.44		0.54		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 Hired labor per head Average purchase weight Avg wgt / Dairy Finish sold Avg purch price / head Avg sales price / cwt.		173 158 2.7 2.45 6.99 8.35 55.10 564.20 19.13 382 1,398 426.67 96.94		87 79 3.9 2.11 8.43 9.43 66.81 639.84 17.18 239 1,400 321.70 89.42		179 163 2.8 2.53 6.14 6.95 46.20 545.52 34.59 246 1,429 340.24 100.78

### **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
<b>Year</b>	<u>1982-84=100</u>	<u>Year</u>	<u>1982-84=100</u>
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
2005	195.3	2015	237.0
2006	201.6	2016	240.0
2007	207.3	2017	244.7

#### 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	1998	1999	2000	2001	2002	2003	2004	2005	2006
1 Nu	umber of Farms	210	216	212	207	188	175	125	107	110
Fa	arm Income Statement									
2	Gross Cash Farm Income	369,573	388,731	422,897	433,698	428,084	504,022	496,771	579,201	609,886
3	Total Cash Farm Expense	305,344	324,802	348,711	358,506	352,995	400,605	404,743	477,476	494,409
4	Inventory Change	-21,057	15,633	25,296	-17,297	19,571	18,977	31,076	74,307	66,397
5	Depr. & Cap. Adj.	-34,557	-35,800	-17,731	-21,280	-24,654	-25,990	-24,741	-28,170	-27,176
6	Net Farm Income from Operations	8,616	43,762	81,750	36,614	70,007	96,404	98,362	147,862	154,698
7	Gain of Loss on Capital Sales	0,010	0	01,730	0	0,007	0	0	0	0
8	Net Farm Income	8,616	43,762	81,750	36,614	70,007	96,404	98,362	147,862	154,698
9 Ne	et Farm Income (Constant \$)	13,136	65,697	120,073	52,029	96,729	131,129	130,811	191,540	193,828
Dr	rofitability*									
	rofitability*	2	7	12	6	9	11	11	14	10
10	Rate of Return on Assets (%)		7		6					13
11	Rate of Return on Equity (%)	-6		19	4	11	16	16	21	19
12	Operating Profit Margin (%)	4	16	27	14	20	24	23	28	28
13	Asset Turnover Rate (%)	39	43	45	39	44	44	46	51	48
14	Value of Farm Production	250,717	274,411	313,232	282,583	345,743	379,505	378,450	478,073	512,081
15	Farm Interest Paid	25,358	27,488	27,002	27,203	26,739	25,262	21,824	22,210	27,677
	quidity, Repayment and Efficiency									
16	Current Ratio	1.5	1.6	1.7	1.5	1.6	1.7	1.9	2.1	2.2
17	Working Capital	76,325	95,737	112,896	83,500	117,135	143,632	155,804	218,745	268,567
18	Working Capital to Gross Revenue (%)	21	24	25	20	25	28	30	34	40
19	Term Debt Coverage Ratio	1.6	1.9	2.3	1.0	1.6	2.2	2.1	3.0	3.1
20	Operating Expense Ratio (%)	80.5	73.1	71.4	79.5	73.6	71.5	72.1	69.2	68.7
21	Interest Expense Ratio (%)	7.5	6.7	6.2	6.6	5.8	4.8	4.2	3.5	4.3
So	olvency (Year-end, Sole Proprietors Only)*									
22	No. of Sole Proprietors	183	185	181	178	161	149	109	91	93
23	Total Assets	1,066,565	1,061,579	1,150,838	1,158,071	1,277,823	1,407,919	1,286,775	1,487,232	1,694,428
24	Total Liabilities	522,994	517,040	545,689	539,918	578,253	619,279	554,962	618,105	698,239
25	Net Worth	543,571	544,539	605,149	618,197	699,570	788,640	731,813	869,127	996,189
26	Debt to Asset Ratio (%)	49	49	47	47	45	44	43	42	41
Ad	creage Information									
27	Total Acres Owned	250	241	250	252	265	263	236	241	243
28	Total Crop Acres Farmed	697	709	730	759	784	794	766	792	797
29	Crop Acres Owned	219	204	214	214	226	239	193	199	197
30	Crop Acres Cash Rented	402	430	445	468	490	489	494	532	526
31	Crop Acres Share Rented	76	75	70	77	68	67	79	61	74
Cr	rop Yields									
32	Corn per acre (bu.)	161	156	150	128	151	157	171	192	169
33	Soybeans per acre (bu.)	49	45	46	42	49	39	41	55	51
<u></u>	ron Drices Received (cash calca)									
	rop Prices Received (cash sales)  Corn per Bushel	1.97	1.66	1.68	1.72	1.95	2.07	2.28	1.89	2.04
34	•									
35	Soybeans per Bushel	5.72	4.59	4.57	4.32	4.57	5.73	7.17	5.88	5.57
	ousehold Information									
36	No. Farms Reporting HseHld Info	122	125	120	124	108	102	73	67	66
37	Average Family Size	3.6	3.6	3.5	3.5	3.6	3.4	3.4	3.4	3.3
38	Family living expense	34,097	35,186	38,932	39,793	41,882	43,383	48,371	50,608	51,569
39	Total Family Use of Cash	48,197	50,326	62,349	63,980	51,826	68,470	68,029	74,513	82,670
40 Ne	et Nonfarm Income	15,580	18,430	21,436	20,082	20,846	22,480	23,733	24,774	31,059

<sup>\*</sup> 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)

				,	-	•					
2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Row
107	99	95	97	107	110	117	109	103	103	104	1
731,897	876,375	878,404	970,471	1,150,686	1,332,519	1,285,081	1,086,085	997,581	918,546	941,931	2
592,841	720,364	743,487	781,053	898,752	1,057,018	1,029,631	856,705	798,226	748,909	783,231	3
135,843	70,051	-21,159	178,977	136,582	157,209	-53,364	-49,479	-68,430	-8,515	-7,784	4
-32,631	-39,437	-43,972	-48,085	-55,244	-66,085	-69,322	-70,801	-73,028	-71,987	-74,624	5
242,267	186,625	69,787	320,310	333,272	366,624	132,764	109,100	57,897	89,135	76,292	6
		09,767			10,447	4,404		1,944	-418		
0	4,276 190,901		1,855 322,165	3,015 336,287	377,071		9,296 118,396		-416 88,717	8,475 84,767	7 8
242,267	190,901	69,787	322,100	330,201	3/7,0/1	137,168	110,390	59,841	00,717	04,707	8
294,061	225,342	79,317	367,523	377,301	410,268	146,189	124,341	61,864	91,599	84,767	9
17	11	3	17	16	14	4	3	1	3	2	10
25	15	2	24	21	19	4	3	0	2	1	11
35	26	9	36	35	30	11	10	4	8	7	12
50	43	37	47	46	46	34	34	31	31	30	13
648,768	658,576	608,181	819,691	871,265	1,052,663	819,449	790,270	729,443	738,186	735,601	14
30,714	30,232	29,727	34,124	28,447	27,141	27,405	26,239	27,225	30,723	35,049	15
,	,	,	,	-2,	,,	,		,	,	,- :-	
2.5	2.6	2.3	2.9	3.3	3.1	2.7	2.6	2.2	1.9	1.8	16
393,911	446,350	404,104	568,438	659,446	771,719	646,719	562,147	455,840	395,033	367,795	17
46	49	45	50	52	52	52	54	49	42	39	18
4.1	2.9	1.1	5.2	5.6	4.6	1.8	1.4	0.9	1.4	1.3	19
64.1	71.6	83.6	64.8	66.9	69.1	81.4	80.0	83.0	79.0	80.1	20
3.7	3.3	3.3	3.0	2.3	1,8	2.2	2.6	3.0	3.0	3.8	21
91	85	80	80	87	85	89	84	81	81	83	22
2,034,365	2,208,883	2,376,886	2,719,826	2,922,324	3,515,081	3,667,344	3,670,892	3,953,187	3,994,222	4,126,516	23
810,184	837,830	892,734	987,753	1,068,183	1,057,882	1,271,925	1,241,969	1,283,940	1,297,771	1,329,095	23
1,224,181	1,371,053	1,484,151	1,732,074	1,854,181	2,288,721	2,395,419	2,428,924	2,669,246	2,696,451	2,797,420	25
40	38	38	36	37	35	35	34	32	32	32	26
241	249	250	240	232	216	211	208	210	210	226	27
825	822	831	831	791	886	845	902	940	939	940	28
208	222	224	221	202	205	203	208	226	236	233	29
546	536	555	550	532	617	592	626	661	651	661	30
71	64	52	61	57	63	50	67	53	53	46	31
71	04	32	01	31	03	30	07	33	33	40	31
162	172	185	184	173	162	175	167	204	207	204	32
49	44	49	51	46	47	52	48	58	62	55	33
3.00	4.51	3.83	3.67	5.29	6.27	6.48	4.35	3.63	3.38	3.17	34
7.14	10.83	10.15	9.72	11.58	13.07	13.97	12.73	10.12	8.92	9.23	35
60	62	52	46	43	42	32	41	32	44	45	36
3.1	3.0	3.3	3.0	3.0	2.9	3.0	2.8	3.1	3.0	2.6	37
56,229	59,939	62,182	63,848	73,704	73,904	72,592	73,073	64,621	73,384	69,964	38
98,388	100,933	123,590	108,468	119,913	135,406	159,539	140,853	158,913	125,223	116,348	39
25,164	28,456	29,369	29,543	35,042	30,841	35,723	42,073	36,083	39,590	38,552	40

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

	<u> </u>						
	Avg. Of All Farms	Less than 100,000	100,001 - 250,000	250,001 - 500,000	500,001 - 1,000,000	1,000,001- 2,000,000	Over 2,000,000
Number of farms	104	5	11	32	32	17	7
Income Statement							
Gross cash farm income	941,931	63,491	181,288	397,225	688,914	1,233,560	5,703,180
Total cash farm expense	783,231	49,939	252,198	291,926	546,079	963,191	5,034,535
Net cash farm income	158,700	13,553	-70,910	105,300	142,835	270,369	668,645
Inventory change	-7,784	8,475	151,695	-15,470	-21,362	33,755	-273,679
Depreciation	-74,624	-10,649	-46,676	-42,927	-69,446	-114,196	-236,709
Net farm income from operations	76,292	11,378	34,109	46,903	52,027	189,929	158,257
Gain or loss on capital sales	8,475	1,134	-4,340	27,654	409	1,973	-1,159
Average net farm income	84,767	12,512	29,769	74,557	52,436	191,901	157,098
Median net farm income	40,096	5,212	14,100	49,962	50,548	134,434	-55,724
Profitability (cost)							
Rate of return on assets	1.9 %	1.9 %	1.2 %	1.4 %	1.1 %	3.4 %	1.8 %
Rate of return on equity	0.8 %	0.0 %	0.2 %	0.4 %	-0.3 %	3.6 %	-0.9 %
Operating profit margin	6.5 %	10.3 %	4.0 %	5.6 %	4.0 %	12.4 %	4.7 %
Asset turnover rate	29.7 %	18.8 %	30.8 %	25.9 %	26.7 %	27.6 %	39.3 %
Liquidity & Repayment (end of							
Current assets	803,844	73,614	338,039	409,581	792,558	1,229,247	2,878,234
Current liabilities	436,049	67,909	213,452	188,427	304,922	699,544	2,140,308
Current ratio	1.84	1.08	1.58	2.17	2.60	1.76	1.34
Working capital	367,795	5,705	124,587	221,154	487,636	529,703	737,926
Change in working capital	-11,429	20,404	37,466	-42,173	-26,072	37,506	-22,367
Working capital to gross inc	39.4 %	7.6 %	37.6 %	56.9 %	73.0 %	41.8 %	13.7 %
Term debt coverage ratio	1.27	1.72	1.85	0.73	1.08	1.59	1.44
Replacement coverage ratio	0.84	1.34	1.02	0.43	0.65	1.16	1.09
Term debt to EBITDA	2.44	3.17	1.24	2.30	2.82	1.92	3.15
Solvency (end of year at market							_
Number of farms	104	5	11	32	32	17	7
Total assets	4,196,248	845,015	2,035,657	3,076,754	4,273,482	5,853,833	10,724,250
Total liabilities	1,505,682	338,153	549,084	888,720	1,399,452	2,118,033	5,661,734
Net worth	2,690,566	506,862	1,486,573	2,188,034	2,874,029	3,735,801	5,062,517
Total net worth change	111,911	43,587	115,210	38,425	95,396	265,525	193,895
Farm debt to asset ratio	39 % 36 %	41 %	31 %	32 %	36 %	39 % 36 %	53 %
Total debt to asset ratio Change in total net worth %	4 %	40 % 9 %	27 % 8 %	29 % 2 %	33 % 3 %	8 %	53 % 4 %
Nonfarm Information							
Net nonfarm income	38,552	86,114	31,270	39,599	41,392	36,564	3,085
Farms reporting living expenses	36,332 45	4	31,270	39,399 17	41,392	50,504	3,065
Total family living expense	69,964	-	-	76,429	66,501	78,811	
Total living, invest, cap. purch	116,348	-	-	138,457	98,745	113,851	-
Crop Acres							
Total crop acres	940	74	461	563	937	1,385	2,964
Total crop acres owned	233	23	81	172	279	335	447
Total crop acres cash rented	661	51	371	340	603	977	2,517
Total crop acres share rented	46	-	9	51	55	73	_,0.,
Machinery value per crop acre	511	438	702	546	561	542	326
	-		-				

2017 Annual Report

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

Number of farms         104         69         16           Income Statement         Gross cash farm income         941,931         721,481         441,063           Total cash farm expense         783,231         582,616         383,475           Net cash farm income         158,700         138,864         57,588           Inventory change         -7,784         -21,122         107,528           Depreciation         -74,624         -64,065         -64,010           Net farm income from operations         76,292         53,678         101,106           Gain or loss on capital sales         8,475         12,967         -2,804           Average net farm income         84,767         66,645         98,302           Median net farm income         40,096         28,122         60,597           Profitability (cost)           Rate of return on assets         1.9 %         0.9 %         4.4 %           Rate of return on equity         0.8 %         -0.5 %         4.8 %           Operating profit margin         6.5 %         3.1 %         41.8 %           Operating profit margin         6.5 %         3.1 %         41.8 %           Operating profit gain         6.7 %         3.1 %         <
Income Statement   Gross cash farm income   941,931   721,481   441,063   Total cash farm expense   783,231   582,616   383,475   Net cash farm income   158,700   138,864   57,588   Inventory change   -7,784   -21,122   107,528   Depreciation   -74,624   -64,065   -64,010   Net farm income from operations   76,292   53,678   101,106   Gain or loss on capital sales   8,475   12,967   -2,804   Average net farm income   84,767   66,645   98,302   Median net farm income   40,096   28,122   60,597   Profitability (cost)   Rate of return on assets   1,9 %   0,9 %   4,4 %   Rate of return on equity   0,8 %   -0,5 %   4,8 %   Asset turnover rate   29,7 %   29,6 %   29,6 %   29,6 %   Liquidity & Repayment (end of year)   Current lasbilities   436,049   376,754   342,264   Current ratio   1,84   2,02   1,39   Working capital   367,795   383,848   334,836   Change in working capital   -11,429   -35,234   28,138   Working capital to gross inc   39,4 %   55,0 %   24,7 %   Term debt coverage ratio   0,84   0,63   1,01   Term debt to EBITDA   2,44   2,82   1,74   Number of farms   104   69   16
Gross cash farm income         941,931         721,481         441,063           Total cash farm expense         783,231         582,616         383,475           Net cash farm income         158,700         138,864         57,588           Inventory change         -7,784         -21,122         107,528           Depreciation         -74,624         -64,065         -64,010           Net farm income from operations         76,292         53,678         101,106           Gain or loss on capital sales         8,475         12,967         -2,804           Average net farm income         84,767         66,645         98,302           Median net farm income         40,096         28,122         60,597           Profitability (cost)           Rate of return on assets         1,9 %         0,9 %         4.4 %           Rate of return on equity         0,8 %         -0.5 %         4.8 %           Operating profit margin         6,5 %         3,1 %         14.8 %           Asset turnover rate         29,7 %         29,6 %         29,6 %           Liquidity & Repayment (end of year)           Current assets         803,844         760,602         477,100           Current liabilitites
Total cash farm expense         783,231         582,616         383,475           Net cash farm income         158,700         138,864         57,588           Inventory change         -7,784         -21,122         107,528           Depreciation         -74,624         -64,065         -64,010           Net farm income from operations         76,292         53,678         101,106           Gain or loss on capital sales         8,475         12,967         -2,804           Average net farm income         84,767         66,645         98,302           Median net farm income         40,096         28,122         60,597           Profitability (cost)           Rate of return on assets         1.9 %         0.9 %         4.4 %           Rate of return on equity         0.8 %         -0.5 %         4.8 %           Operating profit margin         6.5 %         3.1 %         14.8 %           Asset turnover rate         29.7 %         29.6 %         29.6 %           Liquidity & Repayment (end of year)           Current lassets         803,844         760,602         477,100           Current lasbilities         436,049         376,754         342,264           Current lasion         1.8
Net cash farm income         158,700         138,864         57,588           Inventory change         -7,784         -21,122         107,528           Depreciation         -74,624         -64,065         -64,010           Net farm income from operations         76,292         53,678         101,106           Gain or loss on capital sales         8,475         12,967         -2,804           Average net farm income         84,767         66,645         98,302           Median net farm income         40,096         28,122         60,597           Profitability (cost)           Rate of return on assets         1.9 %         0.9 %         4.4 %           Rate of return on equity         0.8 %         -0.5 %         4.8 %           Operating profit margin         6.5 %         3.1 %         14.8 %           Asset turnover rate         29.7 %         29.6 %         29.6 %           Liquidity & Repayment (end of year)           Current assets         803,844         760,602         477,100           Current liabilities         436,049         376,754         342,264           Current ratio         1.84         2.02         1.39           Working capital <t< td=""></t<>
Net cash farm income         158,700         138,864         57,588           Inventory change         -7,784         -21,122         107,528           Depreciation         -74,624         -64,065         -64,010           Net farm income from operations         76,292         53,678         101,106           Gain or loss on capital sales         8,475         12,967         -2,804           Average net farm income         84,767         66,645         98,302           Median net farm income         40,096         28,122         60,597           Profitability (cost)           Rate of return on assets         1.9 %         0.9 %         4.4 %           Rate of return on equity         0.8 %         -0.5 %         4.8 %           Operating profit margin         6.5 %         3.1 %         14.8 %           Asset turnover rate         29.7 %         29.6 %         29.6 %           Liquidity & Repayment (end of year)           Current liabilities         436,049         376,754         342,264           Current liabilities         436,049         376,754         342,264           Current pratio         1.84         2.02         1.39           Working capital         -11,
Depreciation
Net farm income from operations         76,292         53,678         101,106           Gain or loss on capital sales         8,475         12,967         -2,804           Average net farm income         84,767         66,645         98,302           Median net farm income         40,096         28,122         60,597           Profitability (cost)           Rate of return on assets         1.9 %         0.9 %         4.4 %           Rate of return on equity         0.8 %         -0.5 %         4.8 %           Operating profit margin         6.5 %         3.1 %         14.8 %           Asset turnover rate         29.7 %         29.6 %         29.6 %           Liquidity & Repayment (end of year)           Current assets         803,844         760,602         477,100           Current liabilities         436,049         376,754         342,264           Current ratio         1.84         2.02         1.39           Working capital         367,795         383,848         134,836           Change in working capital         -11,429         -35,234         28,138           Working capital to gross inc         39.4 %         55.0 %         24.7 %           Term debt coverage ratio
Gain or loss on capital sales         8,475         12,967         -2,804           Average net farm income         84,767         66,645         98,302           Median net farm income         40,096         28,122         60,597           Profitability (cost)           Rate of return on assets         1.9 %         0.9 %         4.4 %           Rate of return on equity         0.8 %         -0.5 %         4.8 %           Operating profit margin         6.5 %         3.1 %         14.8 %           Asset turnover rate         29.7 %         29.6 %         29.6 %           Liquidity & Repayment (end of year)           Current assets         803,844         760,602         477,100           Current liabilities         436,049         376,754         342,264           Current ratio         1.84         2.02         1.39           Working capital         367,795         383,848         134,836           Change in working capital         -11,429         -35,234         28,138           Working capital to gross inc         39.4 %         55.0 %         24.7 %           Term debt coverage ratio         1.27         0.99         1.39           Replacement coverage ratio         0.84
Average net farm income         84,767         66,645         98,302           Median net farm income         40,096         28,122         60,597           Profitability (cost)           Rate of return on assets         1.9 %         0.9 %         4.4 %           Rate of return on equity         0.8 %         -0.5 %         4.8 %           Operating profit margin         6.5 %         3.1 %         14.8 %           Asset turnover rate         29.7 %         29.6 %         29.6 %           Liquidity & Repayment (end of year)         29.7 %         29.6 %         29.6 %           Current assets         803,844         760,602         477,100           Current liabilities         436,049         376,754         342,264           Current ratio         1.84         2.02         1.39           Working capital         367,795         383,848         134,836           Change in working capital         -11,429         -35,234         28,138           Working capital to gross inc         39.4 %         55.0 %         24.7 %           Term debt coverage ratio         1.27         0.99         1.39           Replacement coverage ratio         0.84         0.63         1.01 <td< td=""></td<>
Median net farm income         40,096         28,122         60,597           Profitability (cost)           Rate of return on assets         1.9 %         0.9 %         4.4 %           Rate of return on equity         0.8 %         -0.5 %         4.8 %           Operating profit margin         6.5 %         3.1 %         14.8 %           Asset turnover rate         29.7 %         29.6 %         29.6 %           Liquidity & Repayment (end of year)           Current assets         803,844         760,602         477,100           Current liabilities         436,049         376,754         342,264           Current ratio         1.84         2.02         1.39           Working capital         367,795         383,848         134,836           Change in working capital         -11,429         -35,234         28,138           Working capital to gross inc         39.4 %         55.0 %         24.7 %           Term debt coverage ratio         1.27         0.99         1.39           Replacement coverage ratio         0.84         0.63         1.01           Term debt to EBITDA         2.44         2.82         1.74           Solvency (end of year at market)
Profitability (cost)           Rate of return on assets         1.9 %         0.9 %         4.4 %           Rate of return on equity         0.8 %         -0.5 %         4.8 %           Operating profit margin         6.5 %         3.1 %         14.8 %           Asset turnover rate         29.7 %         29.6 %         29.6 %           Liquidity & Repayment (end of year)           Current assets         803,844         760,602         477,100           Current liabilities         436,049         376,754         342,264           Current ratio         1.84         2.02         1.39           Working capital         367,795         383,848         134,836           Change in working capital         -11,429         -35,234         28,138           Working capital to gross inc         39.4 %         55.0 %         24.7 %           Term debt coverage ratio         1.27         0.99         1.39           Replacement coverage ratio         0.84         0.63         1.01           Term debt to EBITDA         2.44         2.82         1.74           Solvency (end of year at market)           Number of farms         104         69         16
Rate of return on assets       1.9 %       0.9 %       4.4 %         Rate of return on equity       0.8 %       -0.5 %       4.8 %         Operating profit margin       6.5 %       3.1 %       14.8 %         Asset turnover rate       29.7 %       29.6 %       29.6 %         Liquidity & Repayment (end of year)         Current assets       803,844       760,602       477,100         Current liabilities       436,049       376,754       342,264         Current ratio       1.84       2.02       1.39         Working capital       367,795       383,848       134,836         Change in working capital       -11,429       -35,234       28,138         Working capital to gross inc       39.4 %       55.0 %       24.7 %         Term debt coverage ratio       1.27       0.99       1.39         Replacement coverage ratio       0.84       0.63       1.01         Term debt to EBITDA       2.44       2.82       1.74         Solvency (end of year at market)         Number of farms       104       69       16
Rate of return on equity       0.8 %       -0.5 %       4.8 %         Operating profit margin       6.5 %       3.1 %       14.8 %         Asset turnover rate       29.7 %       29.6 %       29.6 %         Liquidity & Repayment (end of year)         Current assets       803,844       760,602       477,100         Current liabilities       436,049       376,754       342,264         Current ratio       1.84       2.02       1.39         Working capital       367,795       383,848       134,836         Change in working capital       -11,429       -35,234       28,138         Working capital to gross inc       39.4 %       55.0 %       24.7 %         Term debt coverage ratio       1.27       0.99       1.39         Replacement coverage ratio       0.84       0.63       1.01         Term debt to EBITDA       2.44       2.82       1.74         Solvency (end of year at market)         Number of farms       104       69       16
Operating profit margin         6.5 %         3.1 %         14.8 %           Asset turnover rate         29.7 %         29.6 %         29.6 %           Liquidity & Repayment (end of year)
Asset turnover rate       29.7 %       29.6 %       29.6 %         Liquidity & Repayment (end of year)       Current assets       803,844       760,602       477,100         Current liabilities       436,049       376,754       342,264         Current ratio       1.84       2.02       1.39         Working capital       367,795       383,848       134,836         Change in working capital       -11,429       -35,234       28,138         Working capital to gross inc       39.4 %       55.0 %       24.7 %         Term debt coverage ratio       1.27       0.99       1.39         Replacement coverage ratio       0.84       0.63       1.01         Term debt to EBITDA       2.44       2.82       1.74         Solvency (end of year at market)       Number of farms       104       69       16
Liquidity & Repayment (end of year)         Current assets       803,844       760,602       477,100         Current liabilities       436,049       376,754       342,264         Current ratio       1.84       2.02       1.39         Working capital       367,795       383,848       134,836         Change in working capital       -11,429       -35,234       28,138         Working capital to gross inc       39.4 %       55.0 %       24.7 %         Term debt coverage ratio       1.27       0.99       1.39         Replacement coverage ratio       0.84       0.63       1.01         Term debt to EBITDA       2.44       2.82       1.74         Solvency (end of year at market)       Number of farms       104       69       16
Current assets       803,844       760,602       477,100         Current liabilities       436,049       376,754       342,264         Current ratio       1.84       2.02       1.39         Working capital       367,795       383,848       134,836         Change in working capital       -11,429       -35,234       28,138         Working capital to gross inc       39.4 %       55.0 %       24.7 %         Term debt coverage ratio       1.27       0.99       1.39         Replacement coverage ratio       0.84       0.63       1.01         Term debt to EBITDA       2.44       2.82       1.74         Solvency (end of year at market)       Number of farms       104       69       16
Current liabilities       436,049       376,754       342,264         Current ratio       1.84       2.02       1.39         Working capital       367,795       383,848       134,836         Change in working capital       -11,429       -35,234       28,138         Working capital to gross inc       39.4 %       55.0 %       24.7 %         Term debt coverage ratio       1.27       0.99       1.39         Replacement coverage ratio       0.84       0.63       1.01         Term debt to EBITDA       2.44       2.82       1.74         Solvency (end of year at market)         Number of farms       104       69       16
Current ratio       1.84       2.02       1.39         Working capital       367,795       383,848       134,836         Change in working capital       -11,429       -35,234       28,138         Working capital to gross inc       39.4 %       55.0 %       24.7 %         Term debt coverage ratio       1.27       0.99       1.39         Replacement coverage ratio       0.84       0.63       1.01         Term debt to EBITDA       2.44       2.82       1.74         Solvency (end of year at market)         Number of farms       104       69       16
Working capital       367,795       383,848       134,836         Change in working capital       -11,429       -35,234       28,138         Working capital to gross inc       39.4 %       55.0 %       24.7 %         Term debt coverage ratio       1.27       0.99       1.39         Replacement coverage ratio       0.84       0.63       1.01         Term debt to EBITDA       2.44       2.82       1.74         Solvency (end of year at market)         Number of farms       104       69       16
Change in working capital       -11,429       -35,234       28,138         Working capital to gross inc       39.4 %       55.0 %       24.7 %         Term debt coverage ratio       1.27       0.99       1.39         Replacement coverage ratio       0.84       0.63       1.01         Term debt to EBITDA       2.44       2.82       1.74         Solvency (end of year at market)         Number of farms       104       69       16
Working capital to gross inc       39.4 %       55.0 %       24.7 %         Term debt coverage ratio       1.27       0.99       1.39         Replacement coverage ratio       0.84       0.63       1.01         Term debt to EBITDA       2.44       2.82       1.74         Solvency (end of year at market)         Number of farms       104       69       16
Term debt coverage ratio       1.27       0.99       1.39         Replacement coverage ratio       0.84       0.63       1.01         Term debt to EBITDA       2.44       2.82       1.74         Solvency (end of year at market)         Number of farms       104       69       16
Replacement coverage ratio       0.84       0.63       1.01         Term debt to EBITDA       2.44       2.82       1.74         Solvency (end of year at market)         Number of farms       104       69       16
Term debt to EBITDA 2.44 2.82 1.74  Solvency (end of year at market) Number of farms 104 69 16
Solvency (end of year at market) Number of farms 104 69 16
Number of farms 104 69 16
Total assets 4,196,248 3,858,621 3,282,200
Total liabilities 1,505,682 1,339,479 1,070,593
Net worth 2,690,566 2,519,142 2,211,607
Total net worth change 111,911 72,178 140,037
Farm debt to asset ratio 39 % 38 % 37 %
Total debt to asset ratio 36 % 35 % 33 %
Change in total net worth % 4 % 3 % 7 %
Nonfarm Information
Net nonfarm income 38,552 42,248 29,160
Farms reporting living expenses 45 30 8
Total family living expense 69,964 71,420 65,664
Total living, invest, cap. purch 116,348 113,217 138,227
Crop Acres
Total crop acres 940 1,044 524
Total crop acres owned 233 244 117
Total crop acres cash rented 661 754 382
Total crop acres share rented 46 47 24
Machinery value per crop acre 511 444 827

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

Number of farms  Income Statement Gross cash farm income Total cash farm expense Net cash farm income	941,931 783,231 158,700	17 404,569	50	26	8
Gross cash farm income Total cash farm expense	783,231				
Gross cash farm income Total cash farm expense	783,231				
Total cash farm expense	783,231		900,235	1,255,056	1,398,090
		289,867	713,374	1,097,186	1,273,774
		114,702	186,861	157,870	124,315
Inventory change	-7,784	-2,647	4,870	-36,261	-46,229
Depreciation	-74,624	-38,622	-82,217	-94,375	-44,717
Net farm income from operations	76,292	73,433	109,514	27,234	33,369
Gain or loss on capital sales	8,475	51,722	515	-1,205	958
Average net farm income	84,767	125,156	110,029	26,029	34,326
Median net farm income	40,096	91,224	49,962	10,778	-5,100
Profitability (cost)					
Rate of return on assets	1.9 %	2.4 %	2.6 %	0.7 %	0.8 %
Rate of return on equity	0.8 %	2.4 %	2.3 %	-3.9 %	-5.3 %
Operating profit margin	6.5 %	10.0 %	10.0 %	2.2 %	1.9 %
Asset turnover rate	29.7 %	24.3 %	26.4 %	32.0 %	42.1 %
Liquidity & Repayment (end of year)					
Current assets	803,844	560,447	817,137	803,230	1,293,196
Current liabilities	436,049	29,910	333,159	665,627	986,541
Current ratio	1.84	18.74	2.45	1.21	1.31
Working capital	367,795	530,537	483,978	137,603	306,654
Change in working capital	-11,429	-14,591	-26,627	34,376	-41,592
Working capital to gross inc	39.4 %	133.2 %	52.8 %	11.3 %	23.7 %
Term debt coverage ratio	1.27	5.12	1.67	0.80	0.73
Replacement coverage ratio	0.84	1.19	1.03	0.59	0.64
Term debt to EBITDA	2.44	0.25	1.62	4.31	6.06
Solvency (end of year at market)	404	4-		22	•
Number of farms	104	17	50	26	8
Total assets	4,196,248	3,830,911	4,611,185	4,142,349	3,478,554
Total liabilities	1,505,682	595,135	1,339,879	2,159,860	2,290,661
Net worth	2,690,566	3,235,777	3,271,306	1,982,489	1,187,893
Total net worth change	111,911	114,303	147,921	65,309	69,182
Farm debt to asset ratio	39 %	18 %	31 %	54 %	68 %
Total debt to asset ratio	36 % 4 %	16 % 4 %	29 % 5 %	52 % 3 %	66 %
Change in total net worth %	4 %	4 %	5 %	3 %	6 %
Nonfarm Information	20 550	44 647	26.276	44 40E	4E 000
Net nonfarm income	38,552	44,647	36,376	41,105	45,363
Farms reporting living expenses	45	11	25 73.375	5 75 797	4
Total family living expense	69,964	58,697	73,375	75,787	-
Total living, invest, cap. purch	116,348	124,706	119,892	99,140	-
Crop Acres	040	F4.4	054	4 000	4.050
Total crop acres	940	511	854	1,069	1,953
Total crop acres owned	233	194	264	257	135
Total crop acres cash rented	661	294	528	772	1,818
Total crop acres share rented	46 511	23	62 503	39 567	400
Machinery value per crop acre	511	639	593	567	133

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#### 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	51 - 60	Over 60
Number of farms	104	7	15	14	21	47
			.0			
Income Statement Gross cash farm income	941,931	1,345,388	650,517	742,080	1,045,008	988,322
Total cash farm expense	783,231	1,267,326	492,978	613,261	900,081	802,186
Net cash farm income	158,700	78,061	492,976 157,539	128,819	144,927	186,136
Inventory change	-7,784	-34,472	16,171	-51,319	40,501	-20,061
Depreciation	-74,624	-36,106	-61,220	-74,821	-80,739	-81,848
Net farm income from operations	76,292	7,482	112,491	2,679	104,689	84,228
Gain or loss on capital sales	8,475	112	-1,852	422	-689	19,509
Average net farm income	84,767	7,594	110,639	3,101	104,000	103,737
Median net farm income	40,096	5,212	40,163	2,180	110,032	38,906
Profitability (cost)						
Rate of return on assets	1.9 %	-0.9 %	4.5 %	-1.5 %	3.3 %	1.8 %
Rate of return on equity	0.8 %	-8.4 %	5.3 %	-4.5 %	2.5 %	1.1 %
Operating profit margin	6.5 %	-1.8 %	14.0 %	-4.6 %	11.4 %	6.9 %
Asset turnover rate	29.7 %	47.2 %	31.9 %	32.6 %	29.0 %	26.4 %
Liquidity & Repayment (end of ye						
Current assets	803,844	1,284,316	527,991	694,292	983,494	772,687
Current liabilities	436,049	940,518	307,195	349,117	489,039	404,258
Current ratio	1.84	1.37	1.72	1.99	2.01	1.91
Working capital	367,795	343,798	220,795	345,175	494,455	368,430
Change in working capital	-11,429	-69,129	-34,637	-62,413	119,778	-38,867
Working capital to gross inc	39.4 %	28.0 %	32.7 %	48.2 %	46.3 %	37.8 %
Term debt coverage ratio	1.27	0.68	1.50	0.38	1.48	1.36
Replacement coverage ratio Term debt to EBITDA	0.84 2.44	0.64 6.42	1.19 2.88	0.23 3.56	0.91 2.62	0.87 1.72
Solvency (end of year at market)						
Number of farms	104	7	15	14	21	47
Total assets	4,196,248	3,013,360	3,012,069	2,964,168	4,946,634	4,782,075
Total liabilities	1,505,682	1,944,195	1,350,638	1,159,178	1,882,437	1,424,729
Net worth	2,690,566	1,069,166	1,661,431	1,804,990	3,064,197	3,357,346
Total net worth change	111,911	113,623	151,893	23,701	109,746	126,138
Farm debt to asset ratio	39 %	66 %	50 %	42 %	41 %	32 %
Total debt to asset ratio	36 %	65 %	45 %	39 %	38 %	30 %
Change in total net worth %	4 %	12 %	10 %	1 %	4 %	4 %
Nonfarm Information						
Net nonfarm income	38,552	40,684	55,247	31,005	23,103	42,057
Farms reporting living expenses	45	3	6	4	7	25
Total family living expense	69,964	-	65,658	-	69,792	76,073
Total living, invest, cap. purch	116,348	-	108,037	-	97,655	137,090
Crop Acres	040	0.400	750	004	4.044	040
Total crop acres	940	2,133	756	831	1,014	819
Total crop acres owned	233	115	112	160	293	285
Total crop acres cash rented	661	1,970	622	627	672	483
Total crop acres share rented	46 511	49	22 546	44	49	52 573
Machinery value per crop acre	511	81	546	634	615	573

### 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 lower 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 ÷ 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 + Ending Farm Net Worth) ÷ 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 ÷ 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 <u>not</u> 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 Inventory
Item	Inventory	Feed	
All Corn/bu.	3.00	3.07	3.05
Oats/bu.	2.26	2.42	2.06
All Wheat/bu.	4.90	5.49	5.71
Soybeans/bu.	9.33	9.00	8.80
Alfalfa hay/t. (avg quality)	100.00	93.00	110.00
Alfalfa haylage/t	43.00	40.00	47.00
Grass/Mixed hay/r	85.00	82.00	100.00
Corn silage/t.	24.00	25.00	24.00
Oats straw/bale/ton	3.75/125	3.75/125	3.75/125
Cornstalks/t.	30.00	30.00	30.00
Oatlage/t.	19.00	20.00	20.00

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: \$50.00/acre (adjusted for quality and carrying capacity)

Value of milk fed calves \$ 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 unpaid operator's labor is calculated by using this formula: For sole proprietors and partnerships, labor and management is valued at \$25,000 per operator plus 5% of the value of farm production, with a minimum of \$30,000 for a full-time farm operator. This value is used in calculating ROA, ROE and other whole farm ratios and is also allocated as an opportunity cost to crop and livestock enterprises.



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