









FARM BUSINESS MANAGEMENT

Northern Minnesota 2023 ANNUAL REPORT April, 2024







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A Management Education Program through AgCentric, Northern Center of Excellence for Agriculture

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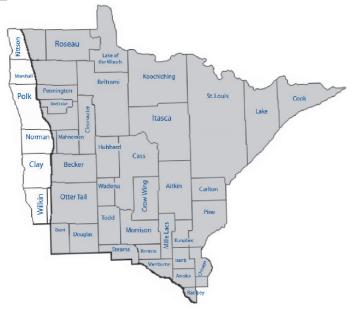
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AGRICULTURAL MENTAL HEALTH & WELLNESS

The purpose of this program is to offer support to people who work in agriculture, providing ways to cope with and manage stress.

You matter. No concern is too small.

Experienced agricultural-focused mental health providers provide counseling services to farm individuals, couples, and/or families anywhere in the state – in person, via telephone, or Zoom,



Ted Matthews, M.S.

(320) 266-2390 | tdmatt@info-link.net | farmcounseling.org

Ted is a veteran and has worked with rural issues in counseling for over 45 years. He has been director of mental health services during two natural disasters in the 1990s. Ted also has extensive counseling experiences in the areas of crisis intervention, family issues, suicidology and domestic abuse.



Monica McConkey, MA, LPC

(218) 280-7785 | monicamariekm@yahoo.com | eyesonthehorizon.org Monica has worked in the mental health sector for the past 25 years. Her background includes work with youth and adults and covers a wide range of emotional challenges. Her recent work focuses on emotional stress of farmers and consulting with agriculture industry groups.









Minnesota Farm and Rural Helpline 1-833-600-2670 Available 24/7







2023 Annual Report - Executive Summary

The 2023 farm year was the lowest net farm income in the past 4 years. Weather again played a major factor for many Northern Minnesota producers in production and profitability. Additionally, lower prices for most commodities and other crops were negative for many producers while another year of increasing input costs and overhead costs provided an increased challenge for operations to pursue profitable marketing strategies. The decreased cost of commodity crops at the end of the year did provide an advantage to many livestock producers when purchasing feeds and forages.

In 2023, Average Net Farm Income for the 581 farms in the Northern Minnesota database was \$82,849. This was down from the \$243,910 reported in 2022 and the lowest number since 2019. Median Net Farm Income was down as well, decreasing to \$40,629 in 2023, compared to \$135,642 in 2022.

| Financial Factors | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------------|----------|----------|----------|----------|-----------|-----------|-----------|----------|
| Average Net Farm Income | \$59,480 | \$54,021 | \$59,306 | \$72,208 | \$156,941 | \$189,843 | \$243,910 | \$82,849 |
| Median Net Farm Income | \$25,654 | \$23,489 | \$25,857 | \$29,325 | \$85,468 | \$100,804 | \$135,642 | \$40,629 |

Most key financial measures showed decreases compared to 2022. Working Capital decreased in 2023 to \$317,100 at the end of 2023 compared to \$411,782 at the end of 2022; a decrease of 23.0%. Working Capital represents the dollar amount remaining after subtracting current liabilities from current assets. The 2023 Northern Minnesota term debt coverage average was 1.35 compared to 2.79 in 2022. 2023 brought lower prices for most producers, the Operating Expense Ratio came significantly higher in 2023 at 80.5% compared to 69.4% in 2022.

The Dairy industry showed some large decreases in net return per cow due to lower average milk price in 2023. However, they did have a lower cost of production compared to 2022. The Beef Cow Calf producers saw the highest net return per cow since 2015 with an average net return of \$98. The main reason for the positive net return was the average price received for the sale of calves, especially the second half of 2023.

| Statewide FBM Data | Dairy (Excludin | ng Organic & Orga | nic Transition) | Beef Cow-Calf (Excluding backgrounding) | | | |
|----------------------------------|-----------------|-------------------|-----------------|---|----------|----------|--|
| Statewide FBIVI Data | 2021 | 2022 | 2023 | 2021 | 2022 | 2023 | |
| Feed Cost / Cow | \$2,424 | \$2,908 | \$2,780 | \$550 | \$640 | \$624 | |
| Dir & Ovhd Expense/Cow | \$4,316 | \$5,054 | \$5,000 | \$930 | \$1,051 | \$1,044 | |
| Net Return / Cow | \$208 | \$686 | \$37 | (\$166) | (\$236) | \$98 | |
| Average Milk Price | \$18.41 | \$24.24 | \$19.14 | xxx | xxx | xxx | |
| Cost of Prod per CWT w/LaborMgmt | \$18.23 | \$22.23 | \$19.71 | xxx | xxx | xxx | |
| Average Price per CWT Calf Sold | xxx | xxx | xxx | \$153.79 | \$180.23 | \$223.17 | |

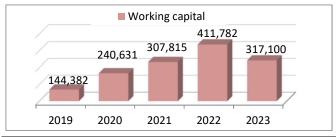
2023 showed a decrease in yields for the northern half of Minnesota for corn and soybeans, while spring wheat saw the highest yield since 2017. The three major commodity crops had average yields per acre of 159.3 bushels for corn, 39.4 bushels for soybeans, and 67.4 bushels for spring wheat. Net returns were positive on all three crops for the fifth consecutive year. The chart below displays the 3-year history of selected factors for these crops.

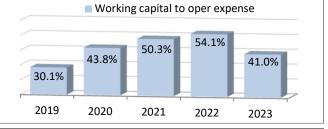
| | | | | Gross | Dir & Ovhd | | Dir & Ovhd |
|-----------------|------|-----------|-----------|------------|------------|------------|------------|
| Rented Land | | Yield per | Value per | Revenue | Expense | Net Return | Expense |
| | | Acre | Unit | /Acre | /Acre | /Acre | /Unit |
| | 2021 | 124.6 | \$5.30 | \$760.77 | \$595.92 | \$164.85 | \$4.78 |
| Corn | 2022 | 169.4 | \$6.06 | \$1,039.01 | \$779.41 | \$259.60 | \$4.60 |
| | 2023 | 159.3 | \$4.69 | \$827.02 | \$774.29 | \$52.74 | \$4.86 |
| | 2021 | 30.3 | \$12.21 | \$433.62 | \$350.45 | \$83.17 | \$11.54 |
| Soybeans | 2022 | 39.9 | \$13.89 | \$571.32 | \$420.41 | \$150.91 | \$9.02 |
| | 2023 | 39.4 | \$12.44 | \$515.79 | \$442.87 | \$72.92 | \$11.24 |
| Coning | 2021 | 49.5 | \$8.55 | \$471.75 | \$344.24 | \$127.50 | \$6.96 |
| Spring Wheat | 2022 | 64.9 | \$9.18 | \$610.33 | \$477.43 | \$132.91 | \$7.36 |
| vviieat | 2023 | 67.4 | \$7.36 | \$522.42 | \$481.84 | \$40.59 | \$7.15 |

Trend information for the 2019-2023 Financial Summary can be found on page 4 of this report. A quick look at 2023 can be found on page 5 as the "Year at a Glance". The impact of spending on the farm economy of Northern Minnesota by the average farmer can be found on page 8.

Financial Trend Summary Northern Minnesota Farm Business Management Data

| Income Statement Gross Cash Farm Income 605,725 756,236 827,310 995,003 395,512 Gross Cash Farm Income 94,700 143,007 167,954 181,494 137,560 143,007 167,954 181,494 137,560 143,007 167,954 181,494 137,560 145,007 167,954 181,494 137,560 145,007 167,954 181,494 137,560 145,007 167,954 181,494 137,560 145,007 167,954 181,494 137,560 145,007 167,954 181,494 137,560 145,007 167,954 181,494 137,560 145,007 145,00 | | <u>2019</u> | 2020 | 2021 | 2022 | 2023 |
|--|---------------------------------------|-------------|-----------|-----------|-----------|-----------|
| Total Cash Farm Expense 511,025 613,229 659,356 813,509 798,852 Net Cash Farm Income 94,700 143,007 167,954 181,494 137,560 Inventory change 16,031 60,809 70,834 115,164 3,823 Depreciation 45,887 49,447 51,218 58,105 61,240 Net Farm Income 68,44 143,368 187,570 2,835,53 80,142 Gain or loss on capital sales 7364 2,573 2,272 5,357 2,707 Average Net Farm Income 29,325 85,468 100,804 135,642 40,629 Profitability (Cost) Rate of Return on Assets 3,4% 7,5% 8,6% 9,4% 3,0% Rate of Return on Equity 2,4% 10,4% 12,6% 13,7% 1,70% Operating Profit Margin 10,9% 21,6% 23,3% 23,4% 8,80% Asset Turnover Rate 30,8% 34,8% 37,1% 40,0% 3,80% Liquidity & Repay | Income Statement | | | | | |
| Net Cash Farm Income 94,700 143,007 167,954 181,494 137,560 16,0011 60,809 70,834 115,164 3,823 Depreciation 45,887 49,447 51,218 581,015 61,240 Net Farm Income From Operations 64,844 154,368 187,570 238,553 80,142 236 236 236 236 237 238,535 2,707 238,535 2,707 Average Net Farm Income 72,208 156,941 189,843 243,910 82,849 Median Net Farm Income 72,208 156,941 189,843 243,910 82,849 Median Net Farm Income 29,325 85,468 100,804 135,642 40,629 Profitability (Cost) Rate of Return on Assets 3,4% 7,5% 8,6% 9,4% 30,0% Asset Turnover Rate 30,38% 34,38% 37,1% 40,0% 33,80% Asset Turnover Rate 30,38% 34,38% 37,1% 40,0% 33,80% Asset Turnover Rate 30,38% 34,38% 37,1% 40,0% 33,80% Asset Turnover Rate 270,196 267,690 257,825 297,720 324,790 Current Liabilities 270,196 267,690 257,825 297,720 324,790 Current Liabilities 270,196 267,690 257,825 297,720 324,790 Current Liabilities 1,53 1,90 2,19 2,38 1,98 Working capital 144,382 240,631 307,815 411,782 317,100 Change in working capital 11,194 88,962 89,884 106,221 52,284 Working capital to oper expense 30,1% 43,8% 50,3% 54,1% 41,0% 16 EB/IDA 3,55 2,41 2,21 2,09 3,63 Solvency (Market) Solvency (Market) 1,261,170 1,444,495 1,573,841 1,805,850 1,788,881 Net Worth Change 57,514 169,349 210,368 245,330 128,902 347,900 3 | Gross Cash Farm Income | 605,725 | 756,236 | 827,310 | 995,003 | 936,512 |
| Inventory change | | | 613,229 | | 813,509 | |
| Depreciation | Net Cash Farm Income | • | | | | |
| Net Farm Income From Operations 64,844 154,368 187,570 238,553 80,142 Gain or loss on capital sales 7364 2,573 2,272 5,357 2,707 Average Net Farm Income 72,208 156,941 189,843 243,910 82,849 Median Net Farm Income 29,325 85,468 100,804 135,642 40,629 Profitability (Cost) Rate of Return on Assets 3.4% 7.5% 8.6% 9.4% 3.00% Rate of Return on Equity 2.4% 10.4% 12.6% 13.7% 1.70% Operating Profit Margin 10.9% 21.6% 23.3% 23.4% 8.80% Asset Turnover Rate 30.8% 34.8% 37.1% 40.0% 33.80% Liquidity & Repayment (end of year) Current Liabilities 270,196 267,890 257,825 297,720 324,790 Current Lashities 270,196 267,890 257,825 297,720 324,790 Current Ratio 1.53 1.90 2.19 2.38 | · · · · · · · · · · · · · · · · · · · | | | | | |
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| Median Net Farm Income 29,325 85,468 100,804 135,642 40,629 Profitability (Cost) Rate of Return on Assets 3.4% 7.5% 8.6% 9.4% 3.00% Rate of Return on Equity 2.4% 10.4% 12.6% 13.7% 1.70% Operating Profit Margin 10.9% 21.6% 23.3% 23.4% 8.80% Asset Turnover Rate 30.8% 34.8% 37.1% 40.0% 33.80% Liquidity & Repayment (end of year) Current Assets 414,578 508,521 565,640 709,502 641,890 Current Ratio 1.53 1.90 2.79 2.38 1.98 Working capital 144,382 240,631 307,815 411,782 317,100 Change in working capital 11,194 88,962 89,849 106,221 -52,284 Working capital to oper expense 30.1% 43.8% 50.3% 54.1% 41.0% Term Debt Coverage Ratio 1.35 2.38 2.69 2.79 1.3 Replace | | | | | | |
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| Rate of Return on Assets 3.4% 7.5% 8.6% 9.4% 3.00% Rate of Return on Equity 2.4% 10.4% 12.6% 13.7% 1.70% Operating Profit Margin 10.9% 21.6% 23.3% 23.4% 8.80% Asset Turnover Rate 30.8% 34.8% 37.1% 40.0% 33.80% Liquidity & Repayment (end of year) 20.00 267,890 257,825 297,720 324,790 Current Liabilities 270,196 267,890 257,825 297,720 324,790 Current Ratio 1.53 1.90 2.19 2.38 1.98 Working capital 144,382 240,631 307,815 411,782 317,100 Change in working capital 11,194 88,962 89,894 106,221 52,284 Working capital to oper expense 30.1% 43.8% 50.3% 54.1% 41.0% Term Debt Coverage Ratio 1.35 2.38 2.69 2.79 1.3 Replacement Coverage Ratio 1.07 1.87 | Median Net Farm Income | 29,325 | 85,468 | 100,804 | 135,642 | 40,629 |
| Rate of Return on Equity 2.4% 10.4% 12.6% 13.7% 1.70% Operating Profit Margin 10.9% 21.6% 23.3% 23.4% 8.80% Asset Turnover Rate 30.8% 34.8% 37.1% 40.0% 33.80% Liquidity & Repayment (end of year) Current Assets 414,578 508,521 565,640 709,502 641,890 Current Liabilities 270,196 267,890 257,825 297,720 324,790 Current Ratio 1.53 1.90 2.19 2.38 1.98 Working capital 144,382 240,631 307,815 411,782 317,100 Change in working capital 11,194 88,962 89,894 106,221 -52,284 Working capital to oper expense 30.1% 43.8% 50.3% 54.1% 41.0% Term Debt Coverage Ratio 1.35 2.38 2.69 2.79 1.3 Replacement coverage ratio 1.07 1.87 2.11 2.13 1.06 Term Debt Coverage Ratio | Profitability (Cost) | | | | | |
| Operating Profit Margin Asset Turnover Rate 10.9% 30.8% 34.8% 37.1% 23.3% 40.0% 33.80% Asset Turnover Rate 30.8% 34.8% 37.1% 23.4% 40.0% 33.80% Liquidity & Repayment (end of year) Under the Assets 414,578 508,521 566,640 709,502 641,890 709,502 641,890 Current Liabilities 270,196 267,890 257,825 297,720 324,790 20.770 324,790 2.19 2.38 1.98 Working Laghtal 144,382 240,631 307,815 411,782 317,100 2.19 2.38 11,78 317,100 Change in working capital 11,194 88,962 89,894 106,221 -52,284 317,100 40.8% 50.3% 54.1% 41.0% 41.0% 41.0% Term Debt Coverage Ratio 1.35 2.38 2.69 2.79 1.3 2.09 3.63 3.63 Solvency (Market) 3.55 2.41 2.21 2.09 3.63 3.63 Solvency (Market) 3.55 2.72 803 2,779,321 3,177,907 3,170,008 3.170,008 Total Assets 2,290,635 2,572,803 2,779,321 3,177,907 3,170,008 3.170,008 Total Liabilities 1,029,465 1,128,308 1,205,480 1,372,057 1,381,327 3.170,008 1,386,81 Net Worth Change 57,514 169,349 210,368 245,330 128,902 4.6% 46% 45% 44% 43% 43% 44% 44% 43% 43% 44% 44% 44 | Rate of Return on Assets | 3.4% | | | | |
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| Current Assets 414,578 508,521 565,640 709,502 641,890 Current Liabilities 270,196 267,890 257,825 297,720 324,790 Current Ratio 1.53 1.90 2.19 2.38 1.98 Working capital 144,382 240,631 307,815 411,782 317,100 Change in working capital 11,194 88,962 89,894 106,221 -52,284 Working capital to oper expense 30.1% 43,8% 50.3% 54,1% 41.0% Term Debt Coverage Ratio 1.07 1.87 2.11 2.13 1.06 Term debt to EBITDA 3.55 2.41 2.21 2.09 3.63 Solvency (Market) Number of Farms 572 577 572 541 581 Total Assets 2,290,635 2,572,803 2,779,321 3,177,907 3,170,008 Total Liabilities 1,029,465 1,128,308 1,205,480 1,372,057 1,381,327 Net Worth 1, | Asset Turnover Rate | 30.8% | 34.8% | 37.1% | 40.0% | 33.80% |
| Current Assets 414,578 508,521 565,640 709,502 641,890 Current Liabilities 270,196 267,890 257,825 297,720 324,790 Current Ratio 1.53 1.90 2.19 2.38 1.98 Working capital 144,382 240,631 307,815 411,782 317,100 Change in working capital 11,194 88,962 89,894 106,221 -52,284 Working capital to oper expense 30.1% 43,8% 50.3% 54,1% 41.0% Term Debt Coverage Ratio 1.07 1.87 2.11 2.13 1.06 Term debt to EBITDA 3.55 2.41 2.21 2.09 3.63 Solvency (Market) Number of Farms 572 577 572 541 581 Total Assets 2,290,635 2,572,803 2,779,321 3,177,907 3,170,008 Total Liabilities 1,029,465 1,128,308 1,205,480 1,372,057 1,381,327 Net Worth 1, | Liquidity & Repayment (end of year) | | | | | |
| Current Ratio 1.53 1.90 2.19 2.38 1.98 Working capital 144,382 240,631 307,815 411,782 317,100 Change in working capital 11,194 88,962 89,894 106,221 -52,284 Working capital to oper expense 30.1% 43.8% 50.3% 54.1% 41.0% Term Debt Coverage Ratio 1.07 1.87 2.11 2.13 1.06 Term debt to EBITDA 3.55 2.41 2.21 2.09 3.63 Solvency (Market) Number of Farms 572 577 572 541 581 Total Assets 2,290,635 2,572,803 2,779,321 3,177,907 3,170,008 Total Liabilities 1,029,465 1,128,308 1,205,480 1,372,057 1,381,327 Net Worth Change 57,514 169,349 210,368 245,330 128,902 Farm Debt to Asset Ratio 47% 46% 46% 45% 46% Total Debt to Asset Ratio | | 414,578 | 508,521 | 565,640 | 709,502 | 641,890 |
| Working capital 144,382 240,631 307,815 411,782 317,100 Change in working capital 11,194 88,962 89,894 106,221 -52,284 Working capital to oper expense 30.1% 43.8% 50.3% 54.1% 41.0% Term Debt Coverage Ratio 1.35 2.38 2.69 2.79 1.3 Replacement coverage ratio 1.07 1.87 2.11 2.13 1.06 Term debt to EBITDA 3.55 2.41 2.21 2.09 3.63 Solvency (Market) Number of Farms 572 577 572 541 581 Total Assets 2,290,635 2,572,803 2,779,321 3,177,907 3,170,008 Total Liabilities 1,029,465 1,128,308 1,205,480 1,372,057 1,381,327 Net Worth 1,261,170 1,444,495 1,573,841 1,805,850 1,788,681 Net Worth Change 57,514 169,349 210,368 245,330 128,902 Farm Debt to Ass | Current Liabilities | 270,196 | 267,890 | 257,825 | 297,720 | 324,790 |
| Change in working capital 11,194 88,962 89,894 106,221 -52,284 Working capital to oper expense 30.1% 43.8% 50.3% 54.1% 41.0% Term Debt Coverage Ratio 1.35 2.38 2.69 2.79 1.3 Replacement coverage ratio 1.07 1.87 2.11 2.13 1.06 Term debt to EBITDA 3.55 2.41 2.21 2.09 3.63 Solvency (Market) Number of Farms 572 577 572 541 581 Total Assets 2,290,635 2,572,803 2,779,321 3,177,907 3,170,008 Total Liabilities 1,029,465 1,128,308 1,205,480 1,372,057 1,381,322 Net Worth 1,261,170 1,444,495 1,573,841 1,805,850 1,788,681 Net Worth Change 57,514 169,349 210,368 245,330 128,902 Farm Debt to Asset Ratio 47% 46% 46% 45% 45% Change in total net worth % | Current Ratio | 1.53 | 1.90 | 2.19 | 2.38 | 1.98 |
| Working capital to oper expense 30.1% 43.8% 50.3% 54.1% 41.0% Term Debt Coverage Ratio 1.35 2.38 2.69 2.79 1.3 Replacement coverage ratio 1.07 1.87 2.11 2.13 1.06 Term debt to EBITDA 3.55 2.41 2.21 2.09 3.63 Solvency (Market) Number of Farms 572 577 572 541 581 Total Assets 2,290,635 2,572,803 2,779,321 3,177,907 3,170,008 Total Liabilities 1,029,465 1,128,308 1,205,480 1,372,057 1,381,327 Net Worth 1,261,170 1,444,495 1,573,841 1,805,850 1,788,681 Net Worth Change 57,514 169,349 210,368 245,330 128,902 Farm Debt to Asset Ratio 47% 46% 46% 45% 46% Total Debt to Asset Ratio 45% 44% 43% 43% 43% Net Worth Change in total net worth % | Working capital | 144,382 | 240,631 | 307,815 | 411,782 | 317,100 |
| Term Debt Coverage Ratio 1.35 2.38 2.69 2.79 1.3 Replacement coverage ratio 1.07 1.87 2.11 2.13 1.06 Term debt to EBITDA 3.55 2.41 2.21 2.09 3.63 Solvency (Market) Number of Farms 572 577 572 541 581 Total Assets 2,290,635 2,572,803 2,779,321 3,177,907 3,170,008 Total Liabilities 1,029,465 1,128,308 1,205,480 1,372,057 1,381,327 Net Worth 1,261,170 1,444,495 1,573,841 1,805,850 1,788,681 Net Worth Change 57,514 169,349 210,368 245,330 128,902 Farm Debt to Asset Ratio 47% 46% 46% 45% 46% Total Debt to Asset Ratio 45% 44% 43% 43% 44% Change in total net worth % 5% 13% 15% 16% 8% Nonfarm Information | Change in working capital | 11,194 | 88,962 | 89,894 | 106,221 | -52,284 |
| Replacement coverage ratio 1.07 1.87 2.11 2.13 1.06 Term debt to EBITDA 3.55 2.41 2.21 2.09 3.63 Solvency (Market) Number of Farms 572 577 572 541 581 Total Assets 2,290,635 2,572,803 2,779,321 3,177,907 3,170,008 Total Liabilities 1,029,465 1,128,308 1,205,480 1,372,057 1,381,327 Net Worth 1,261,170 1,444,495 1,573,841 1,805,850 1,788,681 Net Worth Change 57,514 169,349 210,368 245,330 128,902 Farm Debt to Asset Ratio 47% 46% 46% 45% 46% Total Debt to Asset Ratio 45% 44% 43% 43% 44% Change in total net worth % 5% 13% 15% 16% 8% Nonfarm Information Net Nonfarm Information 70 74 77 66 72 To | Working capital to oper expense | 30.1% | 43.8% | 50.3% | 54.1% | 41.0% |
| Term debt to EBITDA 3.55 2.41 2.21 2.09 3.63 Solvency (Market) Number of Farms 572 577 572 541 581 Total Assets 2,290,635 2,572,803 2,779,321 3,177,907 3,170,008 Total Liabilities 1,029,465 1,128,308 1,205,480 1,372,057 1,381,327 Net Worth 1,261,170 1,444,495 1,573,841 1,805,850 1,788,681 Net Worth Change 57,514 169,349 210,368 245,330 128,902 Farm Debt to Asset Ratio 47% 46% 46% 45% 46% Total Debt to Asset Ratio 45% 44% 43% 43% 44% Change in total net worth % 5% 13% 15% 16% 8% Nonfarm Information Net Nonfarm Income 33,283 39,596 40,553 36,341 39,600 Farms Reporting Liv Expenses 70 74 77 66 72 Total Family Living Expense | Term Debt Coverage Ratio | 1.35 | 2.38 | 2.69 | 2.79 | 1.3 |
| Solvency (Market) Number of Farms 572 577 572 541 581 Total Assets 2,290,635 2,572,803 2,779,321 3,177,907 3,170,008 Total Liabilities 1,029,465 1,128,308 1,205,480 1,372,057 1,381,327 Net Worth 1,261,170 1,444,495 1,573,841 1,805,850 1,788,681 Net Worth Change 57,514 169,349 210,368 245,330 128,902 Farm Debt to Asset Ratio 47% 46% 46% 45% 46% Total Debt to Asset Ratio 45% 44% 43% 43% 44% Change in total net worth % 5% 13% 15% 16% 8% Nonfarm Information Net Nonfarm Income 33,283 39,596 40,553 36,341 39,600 Farms Reporting Liv Expenses 70 74 77 66 72 Total Family Living Expense 51,527 55,350 55,816 70,186 70,074 <td>Replacement coverage ratio</td> <td>1.07</td> <td>1.87</td> <td>2.11</td> <td>2.13</td> <td>1.06</td> | Replacement coverage ratio | 1.07 | 1.87 | 2.11 | 2.13 | 1.06 |
| Number of Farms 572 577 572 541 581 Total Assets 2,290,635 2,572,803 2,779,321 3,177,907 3,170,008 Total Liabilities 1,029,465 1,128,308 1,205,480 1,372,057 1,381,327 Net Worth 1,261,170 1,444,495 1,573,841 1,805,850 1,788,681 Net Worth Change 57,514 169,349 210,368 245,330 128,902 Farm Debt to Asset Ratio 47% 46% 46% 45% 46% Total Debt to Asset Ratio 45% 44% 43% 43% 44% Change in total net worth % 5% 13% 15% 16% 8% Nonfarm Information 8% 8 8 8 8 8 Net Nonfarm Income 33,283 39,596 40,553 36,341 39,600 Farms Reporting Liv Expenses 70 74 77 66 72 Total Family Living Expense 51,527 55,350 55,816 70,186< | Term debt to EBITDA | 3.55 | 2.41 | 2.21 | 2.09 | 3.63 |
| Number of Farms 572 577 572 541 581 Total Assets 2,290,635 2,572,803 2,779,321 3,177,907 3,170,008 Total Liabilities 1,029,465 1,128,308 1,205,480 1,372,057 1,381,327 Net Worth 1,261,170 1,444,495 1,573,841 1,805,850 1,788,681 Net Worth Change 57,514 169,349 210,368 245,330 128,902 Farm Debt to Asset Ratio 47% 46% 46% 45% 46% Total Debt to Asset Ratio 45% 44% 43% 43% 44% Change in total net worth % 5% 13% 15% 16% 8% Nonfarm Information 8% 8 8 8 8 8 Net Nonfarm Income 33,283 39,596 40,553 36,341 39,600 Farms Reporting Liv Expenses 70 74 77 66 72 Total Family Living Expense 51,527 55,350 55,816 70,186< | Solvency (Market) | | | | | |
| Total Liabilities 1,029,465 1,128,308 1,205,480 1,372,057 1,381,327 Net Worth 1,261,170 1,444,495 1,573,841 1,805,850 1,788,681 Net Worth Change 57,514 169,349 210,368 245,330 128,902 Farm Debt to Asset Ratio 47% 46% 46% 45% 46% Total Debt to Asset Ratio 45% 44% 43% 43% 44% Change in total net worth % 5% 13% 15% 16% 8% Nonfarm Information 8% 80 40,553 36,341 39,600 Farms Reporting Liv Expenses 70 74 77 66 72 Total Family Living Expense 51,527 55,350 55,816 70,186 70,074 Total Living, Invest, & Cap Purch 74,591 62,491 86,705 96,112 95,297 Crop Acres 798 828 831 878 813 Total Crop Acres Owned 245 246 247 259 | Number of Farms | 572 | 577 | 572 | 541 | 581 |
| Net Worth 1,261,170 1,444,495 1,573,841 1,805,850 1,788,681 Net Worth Change 57,514 169,349 210,368 245,330 128,902 Farm Debt to Asset Ratio 47% 46% 46% 45% 46% Total Debt to Asset Ratio 45% 44% 43% 43% 44% Change in total net worth % 5% 13% 15% 16% 8% Nonfarm Information 8% 8% 8% 8% Nonfarm Income 33,283 39,596 40,553 36,341 39,600 Farms Reporting Liv Expenses 70 74 77 66 72 Total Family Living Expense 51,527 55,350 55,816 70,186 70,074 Total Living, Invest, & Cap Purch 74,591 62,491 86,705 96,112 95,297 Crop Acres 798 828 831 878 813 Total Crop Acres Owned 245 246 247 259 241 | Total Assets | 2,290,635 | 2,572,803 | 2,779,321 | 3,177,907 | 3,170,008 |
| Net Worth Change 57,514 169,349 210,368 245,330 128,902 Farm Debt to Asset Ratio 47% 46% 46% 45% 46% Total Debt to Asset Ratio 45% 44% 43% 43% 44% Change in total net worth % 5% 13% 15% 16% 8% Nonfarm Information Net Nonfarm Income 33,283 39,596 40,553 36,341 39,600 Farms Reporting Liv Expenses 70 74 77 66 72 Total Family Living Expense 51,527 55,350 55,816 70,186 70,074 Total Living, Invest, & Cap Purch 74,591 62,491 86,705 96,112 95,297 Crop Acres 798 828 831 878 813 Total Crop Acres Owned 245 246 247 259 241 | Total Liabilities | | 1,128,308 | 1,205,480 | 1,372,057 | 1,381,327 |
| Farm Debt to Asset Ratio 47% 46% 46% 45% 46% Total Debt to Asset Ratio 45% 44% 43% 43% 44% Change in total net worth % 5% 13% 15% 16% 8% Nonfarm Information Net Nonfarm Income 33,283 39,596 40,553 36,341 39,600 Farms Reporting Liv Expenses 70 74 77 66 72 Total Family Living Expense 51,527 55,350 55,816 70,186 70,074 Total Living, Invest, & Cap Purch 74,591 62,491 86,705 96,112 95,297 Crop Acres Total Crop Acres 798 828 831 878 813 Total Crop Acres Owned 245 246 247 259 241 | Net Worth | 1,261,170 | 1,444,495 | 1,573,841 | 1,805,850 | 1,788,681 |
| Total Debt to Asset Ratio 45% 44% 43% 43% 44% Change in total net worth % 5% 13% 15% 16% 8% Nonfarm Information Net Nonfarm Income 33,283 39,596 40,553 36,341 39,600 Farms Reporting Liv Expenses 70 74 77 66 72 Total Family Living Expense 51,527 55,350 55,816 70,186 70,074 Total Living, Invest, & Cap Purch 74,591 62,491 86,705 96,112 95,297 Crop Acres Total Crop Acres 798 828 831 878 813 Total Crop Acres Owned 245 246 247 259 241 | Net Worth Change | 57,514 | 169,349 | 210,368 | 245,330 | 128,902 |
| Change in total net worth % 5% 13% 15% 16% 8% Nonfarm Information Net Nonfarm Income 33,283 39,596 40,553 36,341 39,600 Farms Reporting Liv Expenses 70 74 77 66 72 Total Family Living Expense 51,527 55,350 55,816 70,186 70,074 Total Living, Invest, & Cap Purch 74,591 62,491 86,705 96,112 95,297 Crop Acres Total Crop Acres 798 828 831 878 813 Total Crop Acres Owned 245 246 247 259 241 | | | | | | |
| Nonfarm Information Net Nonfarm Income 33,283 39,596 40,553 36,341 39,600 Farms Reporting Liv Expenses 70 74 77 66 72 Total Family Living Expense 51,527 55,350 55,816 70,186 70,074 Total Living, Invest, & Cap Purch 74,591 62,491 86,705 96,112 95,297 Crop Acres Total Crop Acres 798 828 831 878 813 Total Crop Acres Owned 245 246 247 259 241 | | | | | | |
| Net Nonfarm Income 33,283 39,596 40,553 36,341 39,600 Farms Reporting Liv Expenses 70 74 77 66 72 Total Family Living Expense 51,527 55,350 55,816 70,186 70,074 Total Living, Invest, & Cap Purch 74,591 62,491 86,705 96,112 95,297 Crop Acres Total Crop Acres 798 828 831 878 813 Total Crop Acres Owned 245 246 247 259 241 | Change in total net worth % | 5% | 13% | 15% | 16% | 8% |
| Farms Reporting Liv Expenses 70 74 77 66 72 Total Family Living Expense 51,527 55,350 55,816 70,186 70,074 Total Living, Invest, & Cap Purch 74,591 62,491 86,705 96,112 95,297 Crop Acres Total Crop Acres 798 828 831 878 813 Total Crop Acres Owned 245 246 247 259 241 | Nonfarm Information | | | | | |
| Total Family Living Expense 51,527 55,350 55,816 70,186 70,074 Total Living, Invest, & Cap Purch 74,591 62,491 86,705 96,112 95,297 Crop Acres Total Crop Acres 798 828 831 878 813 Total Crop Acres Owned 245 246 247 259 241 | Net Nonfarm Income | 33,283 | 39,596 | 40,553 | 36,341 | 39,600 |
| Crop Acres 798 828 831 878 813 Total Crop Acres Owned 245 246 247 259 241 | Farms Reporting Liv Expenses | 70 | 74 | 77 | 66 | 72 |
| Crop Acres 798 828 831 878 813 Total Crop Acres Owned 245 246 247 259 241 | | 51,527 | 55,350 | 55,816 | 70,186 | 70,074 |
| Total Crop Acres 798 828 831 878 813 Total Crop Acres Owned 245 246 247 259 241 | Total Living, Invest, & Cap Purch | 74,591 | 62,491 | 86,705 | 96,112 | 95,297 |
| Total Crop Acres 798 828 831 878 813 Total Crop Acres Owned 245 246 247 259 241 | | | | | | |
| Total Crop Acres 798 828 831 878 813 Total Crop Acres Owned 245 246 247 259 241 | Crop Acres | | | | | |
| Total Crop Acres Owned 245 246 247 259 241 | | 798 | 828 | 831 | 878 | 813 |
| | | | | | | |
| | | | | | | |
| Total Crop Acres Share Rent 8 7 8 6 5 | | | | | | |
| Machinery value per crop acre 580 608 652 712 786 | | 580 | 608 | 652 | 712 | 786 |





Page 4

Farm Business Management Education Programs

| Year at a Glance | | State | | Your | Your |
|--------------------------------------|-------------|-------------|-------|------|------|
| | Northern | FBM | Local | Farm | Farm |
| Data for the Average Farm | Minnesota | Data | Area | Data | Goal |
| | 581 | 2317 | | | |
| | Farms | Farms | | | |
| Income Statement | | | | | |
| Gross Cash Farm Income | \$936,512 | \$1,099,812 | | | |
| Total Cash Operating Expense | \$798,952 | \$904,500 | | | |
| Net Cash Farm Income | \$137,560 | \$195,312 | | | |
| Net Operating Profit | \$141,383 | \$155,020 | | | |
| Net Farm Income | \$82,849 | \$93,936 | | | |
| Median Farm Income | \$40,629 | \$44,596 | | | |
| Balance Sheet (Market) | | | | | |
| Total Assets - 12/31 | \$3,170,008 | \$3,889,238 | | | |
| Total Liabilities - 12/31 | \$1,381,327 | \$1,601,661 | | | |
| Net Worth - 12/31 | \$1,788,681 | \$2,287,577 | | | |
| Change in Net Worth | \$128,902 | \$155,883 | | | |
| Financial Standards Measures | | | | | |
| Working Capital - 12/31 | \$317,100 | \$446,877 | | | |
| Debt to Asset Ratio - 12/31 | 45% | 44% | | | |
| Rate of Return on Farm Assets - Cost | 3.0% | 2.8% | | | |
| Rate of Return on Farm Equity - Cost | 1.7% | 1.7% | | | |
| Term Debt Coverage Ratio | 1.35 | 1.38 | | | |
| Asset Turnover Rate | 33.8% | 33.6% | | | |
| Operating Expense Ratio | 80.5% | 81.3% | | | |
| Interest Expense Ratio | 4.8% | 4.3% | | | |
| Operator Information | | | | | |
| Average Age of the Farmer | 46.9 | 47.4 | | | |
| Average Years Farming | 21.8 | 22.8 | | | |
| Personal Spending & Income | | | | | |
| Total Cash Family Living Expense | \$69,097 | \$77,476 | | | |
| Total Non Farm Income | \$39,600 | \$42,436 | | | |
| | | | | | |

Net Farm Income dollars are used to pay for family living, social security and income tax, retirement accounts, medical and health expenses, and loan principle payments. A positive balance indicates revenue for other uses, while a negative balance indicates a need for revenue from other sources.

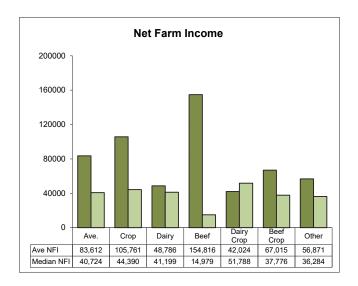
The following list shows expenses for the year:

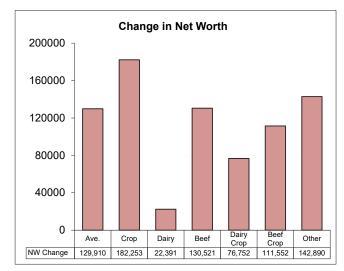
| • | Northern Minnesota | State Data |
|-----|---------------------------------|---|
| (+) | \$82,849 | \$93,936 |
| (+) | \$61,240 | \$66,032 |
| (-) | \$60,554 | \$67,223 |
| (-) | \$9,835 | \$21,360 |
| (-) | \$8,543 | \$10,253 |
| (-) | \$4,746 | \$22,731 |
| (-) | \$80,007 | \$80,237 |
| (=) | -\$19,596 | -\$41,836 |
| | (+) (-) (-) (-) (-) | (+) \$82,849 (+) \$61,240 (-) \$60,554 (-) \$9,835 (-) \$8,543 (-) \$4,746 (-) \$80,007 |

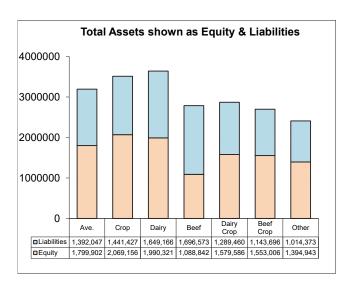
Financial Summary Northern Minnesota Farm Business Management Data (Farms Sorted By Farm Type)

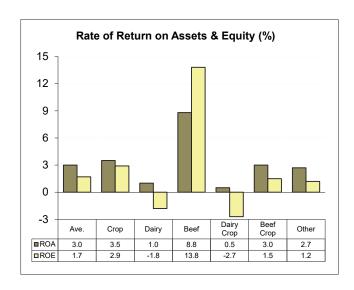
| | Avg. Of All Farms | Crop | Dairy | Beef | Crop and Dairy | Crop and Beef | Other |
|--|----------------------|-----------|-----------|-----------|-------------------|------------------|-----------|
| Number of farms | 576 | 256 | 111 | 41 | 25 | 42 | 95 |
| Income Statement Gross cash farm income Total cash farm expense Net cash farm income Inventory change Depreciation Net farm income from operations Gain or loss on capital sales Average net farm income Median net farm income | 944,395 | 912,445 | 1,618,287 | 623,686 | 794,617 | 656,463 | 591,202 |
| | 805,608 | 730,988 | 1,443,590 | 637,427 | 636,026 | 566,085 | 519,361 |
| | 138,786 | 181,458 | 174,697 | -13,742 | 158,591 | 90,378 | 71,841 |
| | 3,815 | -13,130 | -38,600 | 195,163 | -56,322 | 22,256 | 23,400 |
| | -61,720 | -66,101 | -86,518 | -26,879 | -69,263 | -50,961 | -41,475 |
| | 80,881 | 102,227 | 49,579 | 154,542 | 33,006 | 61,673 | 53,765 |
| | 2,730 | 3,534 | -793 | 274 | 9,018 | 5,342 | 3,106 |
| | 83,612 | 105,761 | 48,786 | 154,816 | 42,024 | 67,015 | 56,871 |
| | 40,724 | 44,390 | 41,199 | 14,979 | 51,788 | 37,776 | 36,284 |
| Profitability (cost) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate | 3.0 % | 3.5 % | 1.0 % | 8.8 % | 0.5 % | 3.0 % | 2.7 % |
| | 1.7 % | 2.9 % | -1.8 % | 13.8 % | -2.7 % | 1.5 % | 1.2 % |
| | 8.8 % | 9.3 % | 2.9 % | 33.0 % | 2.0 % | 11.5 % | 9.9 % |
| | 33.8 % | 37.4 % | 35.3 % | 26.7 % | 26.5 % | 25.9 % | 27.5 % |
| Profitability (market) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate | 4.4 % | 5.4 % | 1.5 % | 6.1 % | 1.9 % | 3.5 % | 6.2 % |
| | 5.0 % | 7.0 % | -0.4 % | 8.7 % | 0.4 % | 3.0 % | 8.4 % |
| | 15.6 % | 17.8 % | 5.0 % | 25.6 % | 8.5 % | 15.8 % | 29.4 % |
| | 28.2 % | 30.5 % | 30.8 % | 23.7 % | 22.8 % | 22.2 % | 21.2 % |
| Liquidity & Repayment (end of year) Current assets Currentliabilities Current ratio Working capital Change in working capital Working capital to gross revenue Working capital to oper expense Debt coverage ratio Term debt coverage ratio Replacement coverage ratio Term debt to EBITDA | 647,263 | 784,128 | 500,217 | 1,019,039 | 368,940 | 599,296 | 411,054 |
| | 327,544 | 377,248 | 269,292 | 592,769 | 178,177 | 307,447 | 205,568 |
| | 1.98 | 2.08 | 1.86 | 1.72 | 2.07 | 1.95 | 2.00 |
| | 319,719 | 406,880 | 230,925 | 426,269 | 190,763 | 291,848 | 205,486 |
| | -52,749 | -99,571 | -87,012 | 161,585 | -66,007 | -18,814 | 8,214 |
| | 33.0 % | 43.8 % | 14.4 % | 52.0 % | 25.3 % | 43.0 % | 33.4 % |
| | 41.0 % | 56.8 % | 16.3 % | 74.9 % | 31.5 % | 55.9 % | 42.1 % |
| | 1.30 | 1.47 | 0.86 | 2.13 | 0.88 | 1.38 | 1.27 |
| | 1.35 | 1.54 | 0.85 | 2.61 | 0.88 | 1.49 | 1.30 |
| | 1.06 | 1.11 | 0.76 | 1.96 | 0.77 | 1.06 | 1.06 |
| | 3.63 | 2.99 | 4.93 | 2.70 | 5.72 | 3.88 | 4.12 |
| Solvency (end of year at cost) Number of farms Total assets Total liabilities Net worth Net worth change Farm debt to asset ratio Total debt to asset ratio Change in earned net worth % | 576 | 256 | 111 | 41 | 25 | 42 | 95 |
| | 2,643,229 | 2,874,523 | 3,163,706 | 2,473,183 | 2,429,887 | 2,307,417 | 1,785,367 |
| | 1,119,857 | 1,125,540 | 1,379,470 | 1,405,434 | 1,075,584 | 966,937 | 797,263 |
| | 1,523,372 | 1,748,983 | 1,784,236 | 1,067,749 | 1,354,304 | 1,340,479 | 988,105 |
| | 69,055 | 100,335 | -14,769 | 168,336 | 33,012 | 79,287 | 49,479 |
| | 45 % | 42 % | 46 % | 59 % | 46 % | 44 % | 46 % |
| | 42 % | 39 % | 44 % | 57 % | 44 % | 42 % | 45 % |
| | 5 % | 6 % | -1 % | 19 % | 2 % | 6 % | 5 % |
| Solvency (end of year at market) Number of farms Total assets Total liabilities Net worth Total net worth change Farm debt to asset ratio Total debt to asset ratio Change in total net worth % | 576 | 256 | 111 | 41 | 25 | 42 | 95 |
| | 3,191,949 | 3,510,583 | 3,639,487 | 2,785,415 | 2,869,046 | 2,696,702 | 2,409,316 |
| | 1,392,047 | 1,441,427 | 1,649,166 | 1,696,573 | 1,289,460 | 1,143,696 | 1,014,373 |
| | 1,799,903 | 2,069,156 | 1,990,321 | 1,088,842 | 1,579,586 | 1,553,006 | 1,394,943 |
| | 129,910 | 182,253 | 22,391 | 130,521 | 76,752 | 111,552 | 142,890 |
| | 46 % | 44 % | 48 % | 64 % | 47 % | 45 % | 44 % |
| | 44 % | 41 % | 45 % | 61 % | 45 % | 42 % | 42 % |
| | 8 % | 10 % | 1 % | 14 % | 5 % | 8 % | 11 % |
| Nonfarm Information Net nonfarm income Farms reporting living expenses Total family living expense Total living, invest, cap. purch | 39,567 | 50,068 | 12,324 | 58,609 | 16,404 | 34,704 | 43,630 |
| | 72 | 27 | 17 | 1 | 4 | 6 | 16 |
| | 70,074 | 76,438 | 66,235 | - | - | 73,952 | 64,999 |
| | 95,297 | 111,974 | 73,184 | - | - | 84,785 | 102,963 |
| Crop Acres Total crop acres Total crop acres owned Total crop acres cash rented Total crop acres share rented Machinery value per crop acre | 820 | 1,292 | 477 | 346 | 509 | 629 | 351 |
| | 243 | 337 | 153 | 143 | 224 | 244 | 149 |
| | 572 | 944 | 324 | 201 | 286 | 383 | 202 |
| | 5 | 12 | - | 1 | - | 2 | 1 |
| | 786 | 640 | 1,303 | 769 | 1,230 | 910 | 1,173 |

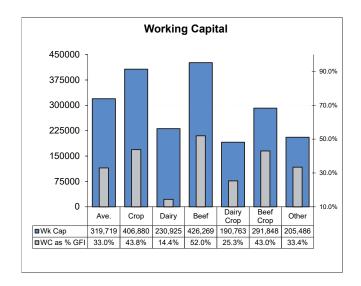
Selected Factors by Type of Farm

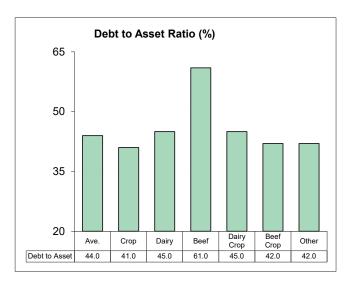




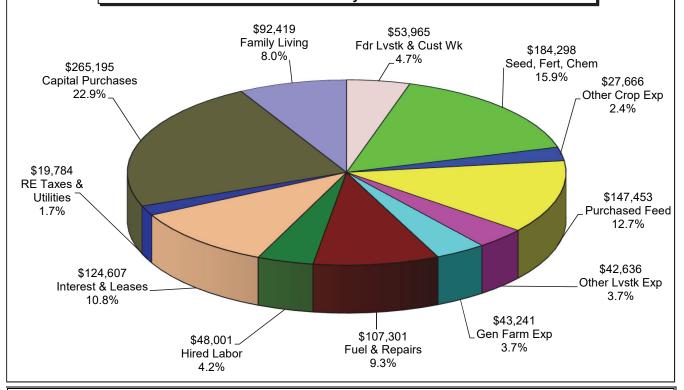








Each farmer, on average, spent \$1,156,566 in the Greater Community in 2023



Average Money Spent by Each Farmer in the Greater Community: \$1,156,566

Average Money Spent by Each Farmer in a 40 Yr Career: \$46,262,640 Money Spent in Community by 581 Farmers: \$671,964,846

Report Overview

Farm Business Management Education has been a part of agricultural education programs in Minnesota since 1953. FBM Programs are now an integral part of the Minnesota State System, delivered through seven two-year colleges. The 2023 Northern Minnesota Annual Report includes data from Farm Business Mangement programs administered by: Northland Community & Technical College, Central Lakes College, Alexandria Technical & Community College, and St. Cloud Technical & Community Colleges.

This report was prepared under the direction of Ron Dvergsten, Josh Tjosaas, Nate Converse, and DelRay Lecy through AgCentric, the Northern Center of Excellence for Agriculture. A special thank you goes to Keith Olander, AgCentric Executive Director, for his leadership.

Report tables were created using FINPACK and RankEm Central, copyrighted software of the Center for Farm Financial Management, University of Minnesota. The Center also shared the Financial Scorecard on the back cover.

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

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

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

Analysis Section
Financial
Crops
Statewide Livestock

Criteria to determine the "20%" categories

Net Farm Income

Return to Overhead

Return to Overhead

Financial Summary Northern Minnesota Farm Business Management Data (Farms Sorted By Number of Years Farming)

| | Avg. Of All Farms | 10 or Less | 11 - 20 | 21 - 30 | 31 - 40 | Over 40 |
|---|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------------------|
| Number of farms | 581 | 172 | 140 | 83 | 76 | 110 |
| Income Statement Gross cash farm income Total cash farm expense Net cash farm income Inventory change Depreciation Net farm income from operations Gain or loss on capital sales Average net farm income Median net farm income | 936,512 | 487,115 | 1,212,664 | 1,068,920 | 1,217,993 | 993,352 |
| | 798,952 | 416,876 | 1,066,374 | 954,700 | 983,204 | 811,203 |
| | 137,560 | 70,239 | 146,291 | 114,221 | 234,789 | 182,148 |
| | 3,823 | 13,692 | 7,043 | 83,398 | -17,934 | -60,721 |
| | -61,240 | -29,889 | -66,403 | -72,657 | -88,348 | -76,347 |
| | 80,142 | 54,042 | 86,931 | 124,962 | 128,506 | 45,081 |
| | 2,707 | 434 | 2,047 | 2,996 | 8,264 | 3,043 |
| | 82,849 | 54,476 | 88,978 | 127,957 | 136,770 | 48,123 |
| | 40,629 | 28,456 | 67,945 | 35,661 | 67,333 | 36,755 |
| Profitability (cost) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate | 3.0 % | 3.4 % | 3.0 % | 4.5 % | 3.5 % | 0.9 % |
| | 1.7 % | 2.7 % | 1.8 % | 4.1 % | 2.8 % | -1.4 % |
| | 8.8 % | 9.0 % | 7.7 % | 14.2 % | 11.2 % | 3.0 % |
| | 33.8 % | 37.7 % | 39.3 % | 31.4 % | 31.1 % | 29.5 % |
| Profitability (market) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate | 4.4 % | 4.7 % | 3.8 % | 4.8 % | 4.1 % | 4.7 % |
| | 5.0 % | 6.1 % | 4.0 % | 5.8 % | 4.4 % | 5.5 % |
| | 15.6 % | 14.0 % | 11.2 % | 18.6 % | 15.5 % | 21.1 % |
| | 28.2 % | 33.8 % | 34.4 % | 25.8 % | 26.2 % | 22.3 % |
| Liquidity & Repayment (end of year) Current assets Current liabilities Current ratio Working capital Change in working capital Working capital to gross revenue Working capital to oper expense Debt coverage ratio Term debt coverage ratio Replacement coverage ratio Term debt to EBITDA | 641,890 | 268,165 | 680,839 | 1,024,106 | 876,059 | 726,498 |
| | 324,790 | 151,544 | 387,246 | 580,712 | 338,762 | 313,437 |
| | 1.98 | 1.77 | 1,76 | 1.76 | 2.59 | 2.32 |
| | 317,100 | 116,622 | 293,593 | 443,393 | 537,297 | 413,061 |
| | -52,284 | -15,141 | -74,628 | 10,736 | -97,211 | -98,434 |
| | 33.0 % | 23.0 % | 23.3 % | 38.0 % | 43.8 % | 43.7 % |
| | 41.0 % | 29.0 % | 27.9 % | 49.4 % | 56.3 % | 53.2 % |
| | 1.30 | 1.58 | 1.23 | 1.46 | 1.37 | 0.98 |
| | 1.35 | 1.64 | 1.26 | 1.56 | 1.41 | 0.98 |
| | 1.06 | 1.34 | 1.06 | 1.23 | 1.04 | 0.71 |
| | 3.63 | 3.50 | 3.82 | 3.54 | 3.18 | 4.09 |
| Solvency (end of year at cost) Number of farms Total assets Total liabilities Net worth Net worth change Farm debt to asset ratio Total debt to asset ratio Change in earned net worth % | 581 | 172 | 140 | 83 | 76 | 110 |
| | 2,624,660 | 1,271,333 | 2,887,597 | 3,416,674 | 3,761,114 | 3,023,327 |
| | 1,111,367 | 655,151 | 1,366,423 | 1,609,484 | 1,248,314 | 1,029,634 |
| | 1,513,293 | 616,181 | 1,521,174 | 1,807,191 | 2,512,800 | 1,993,693 |
| | 68,337 | 53,776 | 78,544 | 119,839 | 132,701 | -5,215 |
| | 45 % | 54 % | 49 % | 49 % | 36 % | 37 % |
| | 42 % | 52 % | 47 % | 47 % | 33 % | 34 % |
| | 5 % | 10 % | 5 % | 7 % | 6 % | 0 % |
| Solvency (end of year at market) Number of farms Total assets Total liabilities Net worth Total net worth change Farm debt to asset ratio Total debt to asset ratio Change in total net worth % | 581 | 172 | 140 | 83 | 76 | 110 |
| | 3,170,008 | 1,472,127 | 3,292,651 | 4,159,215 | 4,456,600 | 4,033,467 |
| | 1,381,327 | 731,199 | 1,613,103 | 2,038,106 | 1,632,966 | 1,433,475 |
| | 1,788,681 | 740,928 | 1,679,548 | 2,121,109 | 2,823,634 | 2,599,992 |
| | 128,902 | 86,871 | 115,864 | 172,775 | 176,807 | 145,019 |
| | 46 % | 54 % | 51 % | 51 % | 40 % | 38 % |
| | 44 % | 50 % | 49 % | 49 % | 37 % | 36 % |
| | 8 % | 13 % | 7 % | 9 % | 7 % | 6 % |
| Nonfarm Information Netnonfarm income Farms reporting living expenses Total family living expense Total living, invest, cap. purch | 39,600 72 70,074 95,297 | 44,714 10 81,372 96,794 | 37,218 19 68,560 82,777 | 45,317 14 76,150 121,242 | 32,630 16 68,405 87,060 | 35,140 13 59,109 94,638 |
| Crop Acres Total crop acres Total crop acres owned Total crop acres cash rented Total crop acres share rented Machinery value per crop acre | 813 | 400 | 996 | 843 | 1,035 | 1,051 |
| | 241 | 84 | 226 | 282 | 294 | 437 |
| | 567 | 315 | 770 | 550 | 738 | 597 |
| | 5 | 1 | 0 | 11 | 3 | 16 |
| | 786 | 690 | 645 | 892 | 960 | 831 |

Financial Summary Northern Minnesota Farm Business Management Data (Farms Sorted By Gross Farm Income)

| | Avg. Of | Less than | 100,001 - | 250,001 - | 500,001 - | 1,000,001- | Over |
|---|---|---|--|---|---|---|---|
| | All Farms | 100,000 | 250,000 | 500,000 | 1,000,000 | 2,000,000 | 2,000,000 |
| Number of farms | 581 | 79 | 95 | 120 | 119 | 108 | 60 |
| Income Statement Gross cash farm income Total cash farm expense Net cash farm income Inventory change Depreciation Net farm income from operations Gain or loss on capital sales Average net farm income Median net farm income | 936,512 | 49,027 | 179,808 | 373,708 | 705,865 | 1,379,867 | 4,088,164 |
| | 798,952 | 54,537 | 157,676 | 317,239 | 567,796 | 1,129,526 | 3,621,300 |
| | 137,560 | -5,510 | 22,132 | 56,469 | 138,070 | 250,341 | 466,863 |
| | 3,823 | 8,108 | 7,597 | 13,891 | -2,445 | -62,303 | 103,524 |
| | -61,240 | -7,963 | -16,136 | -29,816 | -52,599 | -93,293 | -225,095 |
| | 80,142 | -5,365 | 13,592 | 40,543 | 83,025 | 94,745 | 345,292 |
| | 2,707 | 3,721 | 388 | 1,808 | 2,740 | 6,710 | -432 |
| | 82,849 | -1,644 | 13,980 | 42,352 | 85,766 | 101,455 | 344,860 |
| | 40,629 | -2,612 | 14,064 | 35,801 | 84,961 | 106,582 | 225,599 |
| Profitability (cost) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate | 3.0 % | -4.0 % | 0.5 % | 1.7 % | 3.0 % | 2.6 % | 4.4 % |
| | 1.7 % | -11.6 % | -3.5 % | -0.3 % | 2.1 % | 0.9 % | 4.2 % |
| | 8.8 % | -34.6 % | 2.1 % | 5.8 % | 9.9 % | 7.5 % | 11.2 % |
| | 33.8 % | 11.7 % | 21.9 % | 29.7 % | 30.7 % | 34.2 % | 39.5 % |
| Profitability (market) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate | 4.4 % | 1.4 % | 2.4 % | 3.5 % | 6.1 % | 4.2 % | 4.5 % |
| | 5.0 % | 0.1 % | 1.3 % | 3.5 % | 8.0 % | 4.7 % | 5.2 % |
| | 15.6 % | 16.9 % | 14.0 % | 15.0 % | 24.8 % | 15.0 % | 12.8 % |
| | 28.2 % | 8.2 % | 17.3 % | 23.1 % | 24.6 % | 28.1 % | 35.3 % |
| Liquidity & Repayment (end of year) Current assets Current liabilities Current ratio Working capital Change in working capital Working capital to gross revenue Working capital to oper expense Debt coverage ratio Term debt coverage ratio Replacement coverage ratio Term debt to EBITDA | 641,890 | 46,728 | 146,238 | 279,463 | 514,024 | 978,239 | 2,583,325 |
| | 324,790 | 27,359 | 64,273 | 127,781 | 233,321 | 535,037 | 1,325,882 |
| | 1.98 | 1.71 | 2.28 | 2.19 | 2.20 | 1.83 | 1.95 |
| | 317,100 | 19,369 | 81,965 | 151,682 | 280,704 | 443,202 | 1,257,443 |
| | -52,284 | 5,384 | 6,090 | -19,832 | -38,336 | -132,172 | -169,408 |
| | 33.0 % | 34.2 % | 42.7 % | 38.8 % | 39.2 % | 32.6 % | 29.5 % |
| | 41.0 % | 42.0 % | 56.5 % | 50.8 % | 51.6 % | 40.2 % | 35.6 % |
| | 1.30 | 1.58 | 1.20 | 1.32 | 1.33 | 1.14 | 1.40 |
| | 1.35 | 1.60 | 1.21 | 1.35 | 1.37 | 1.17 | 1.47 |
| | 1.06 | 1.31 | 0.94 | 1.08 | 1.04 | 0.90 | 1.19 |
| | 3.63 | 15.62 | 6.62 | 4.22 | 3.55 | 3.71 | 2.94 |
| Solvency (end of year at cost) Number of farms Total assets Total liabilities Net worth Net worth change Farm debt to asset ratio Total debt to asset ratio Change in earned net worth % | 581 2,624,660 1,111,367 1,513,293 68,337 45 % 42 % 5 % | 79 612,398 261,552 350,846 23,940 49 % 43 % 7 % | 95 999,640 453,249 546,391 28,997 51 % 45 % 6 % | 120 1,409,227 606,422 802,805 37,845 46 % 43 % 5 % | 119 2,305,415 894,504 1,410,911 61,188 42 % 39 % 5 % | 108 3,723,453 1,638,100 2,085,353 82,828 46 % 44 % 4 % | 60 8,933,294 3,764,188 5,169,107 238,163 43 % 42 % 5 % |
| Solvency (end of year at market) Number of farms Total assets Total liabilities Net worth Total net worth change Farm debt to asset ratio Total debt to asset ratio Change in total net worth % | 581 | 79 | 95 | 120 | 119 | 108 | 60 |
| | 3,170,008 | 913,054 | 1,234,945 | 1,819,152 | 2,885,473 | 4,535,672 | 10,013,360 |
| | 1,381,327 | 308,018 | 519,305 | 731,560 | 1,129,003 | 2,053,943 | 4,748,652 |
| | 1,788,681 | 605,035 | 715,640 | 1,087,592 | 1,756,470 | 2,481,729 | 5,264,708 |
| | 128,902 | 54,872 | 51,381 | 90,543 | 157,654 | 172,760 | 289,870 |
| | 46 % | 41 % | 46 % | 43 % | 42 % | 47 % | 49 % |
| | 44 % | 34 % | 42 % | 40 % | 39 % | 45 % | 47 % |
| | 8 % | 10 % | 8 % | 9 % | 10 % | 7 % | 6 % |
| Nonfarm Information Net nonfarm income Farms reporting living expenses Total family living expense Total living, invest, cap. purch | 39,600 | 64,644 | 54,539 | 44,870 | 24,100 | 28,595 | 22,987 |
| | 72 | 7 | 5 | 18 | 23 | 15 | 4 |
| | 70,074 | 59,183 | 50,419 | 61,071 | 78,653 | 76,436 | - |
| | 95,297 | 61,221 | 61,731 | 93,310 | 93,753 | 130,871 | - |
| Crop Acres Total crop acres Total crop acres owned Total crop acres cash rented Total crop acres share rented Machinery value per crop acre | 813 | 106 | 266 | 463 | 731 | 1,311 | 2,581 |
| | 241 | 59 | 132 | 181 | 264 | 381 | 474 |
| | 567 | 46 | 133 | 280 | 456 | 917 | 2,106 |
| | 5 | 1 | 1 | 1 | 11 | 13 | - |
| | 786 | 654 | 758 | 681 | 794 | 760 | 855 |

Financial Summary Northern Minnesota Farm Business Management Data (Farms Sorted By Total Acres)

| _ | | • | | , | / | | | | |
|---|----------------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|------------------------------------|------------------------------------|------------------------------|
| | Avg. Of | Less than | 101 - | 251 - | 501 - | 1,001 - | 1,501 - | 2,001 - | 5,001 - |
| | <u>All Farms</u> | 100 | 250 | 500 | 1,000 | <u>1,500</u> | 2,000 | 5,000 | 10,000 |
| Number of farms | 581 | 108 | 83 | 122 | 124 | 55 | 28 | 54 | 6 |
| Income Statement Gross cash farm income Total cash farm expense Net cash farm income Inventory change Depreciation Net farm income from operations Gain or loss on capital sales Average net farm income Median net farm income | 936,512 | 497,482 | 274,733 | 494,839 | 817,614 | 1,222,292 | 1,710,930 | 2,289,157 | 9,749,219 |
| | 798,952 | 458,024 | 227,282 | 406,500 | 669,891 | 1,002,268 | 1,424,199 | 1,945,569 | 9,261,742 |
| | 137,560 | 39,458 | 47,451 | 88,339 | 147,722 | 220,024 | 286,731 | 343,588 | 487,476 |
| | 3,823 | 25,530 | -3,467 | -5,295 | -10,019 | 7,375 | -103,164 | 52,986 | 101,490 |
| | -61,240 | -25,134 | -20,569 | -37,381 | -61,299 | -94,209 | -113,124 | -154,953 | -322,809 |
| | 80,142 | 39,854 | 23,414 | 45,663 | 76,404 | 133,190 | 70,444 | 241,622 | 266,157 |
| | 2,707 | -177 | 2,882 | 2,169 | 1,625 | 11,078 | 20,223 | -3,336 | -27,011 |
| | 82,849 | 39,677 | 26,296 | 47,831 | 78,030 | 144,267 | 90,667 | 238,285 | 239,146 |
| | 40,629 | 6,389 | 19,189 | 39,614 | 65,014 | 118,268 | 67,054 | 167,046 | 473,690 |
| Profitability (cost) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate | 3.0 % | 2.0 % | 1.4 % | 2.0 % | 2.4 % | 3.7 % | 1.6 % | 4.2 % | 2.9 % |
| | 1.7 % | -0.3 % | -1.4 % | 0.1 % | 1.2 % | 3.3 % | -0.2 % | 3.6 % | 1.1 % |
| | 8.8 % | 6.4 % | 5.8 % | 7.5 % | 7.6 % | 11.6 % | 4.8 % | 11.3 % | 5.6 % |
| | 33.8 % | 31.8 % | 24.8 % | 27.2 % | 31.6 % | 31.9 % | 33.6 % | 37.5 % | 52.3 % |
| Profitability (market) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate | 4.4 % | 4.0 % | 3.0 % | 3.4 % | 3.6 % | 4.7 % | 3.2 % | 6.5 % | 2.2 % |
| | 5.0 % | 4.5 % | 2.4 % | 3.3 % | 3.8 % | 6.0 % | 2.9 % | 8.9 % | -0.1 % |
| | 15.6 % | 15.8 % | 15.8 % | 15.1 % | 14.0 % | 17.9 % | 11.0 % | 20.6 % | 4.3 % |
| | 28.2 % | 25.5 % | 19.0 % | 22.3 % | 25.9 % | 26.5 % | 28.9 % | 31.4 % | 49.6 % |
| Liquidity & Repayment (end of year) Current assets Current liabilities Current ratio Working capital Change in working capital Working capital to gross revenue Working capital to oper expense Debt coverage ratio Term debt coverage ratio Replacement coverage ratio Term debt to EBITDA | 641,890 | 213,574 | 157,517 | 303,494 | 517,392 | 860,635 | 1,245,400 | 2,263,529 | 4,048,421 |
| | 324,790 | 137,382 | 65,740 | 130,246 | 208,735 | 405,518 | 619,867 | 1,251,820 | 2,644,048 |
| | 1.98 | 1.55 | 2.40 | 2.33 | 2.48 | 2.12 | 2.01 | 1,81 | 1.53 |
| | 317,100 | 76,192 | 91,777 | 173,247 | 308,656 | 455,117 | 625,533 | 1,011,708 | 1,404,373 |
| | -52,284 | 2,343 | 283 | -20,469 | -36,461 | -40,164 | -192,724 | -228,490 | -730,198 |
| | 33.0 % | 14.6 % | 33.7 % | 35.0 % | 38.1 % | 36.2 % | 37.9 % | 41.3 % | 13.8 % |
| | 41.0 % | 17.5 % | 43.8 % | 45.1 % | 48.4 % | 46.9 % | 44.9 % | 52.9 % | 15.1 % |
| | 1.30 | 1.36 | 1.24 | 1.33 | 1.35 | 1.35 | 1.02 | 1.38 | 0.83 |
| | 1.35 | 1.40 | 1.25 | 1.36 | 1.38 | 1.39 | 1.02 | 1.47 | 0.79 |
| | 1.06 | 1.14 | 1.03 | 1.11 | 1.05 | 1.12 | 0.80 | 1.10 | 0.72 |
| | 3.63 | 4.12 | 5.19 | 4.43 | 3.73 | 3.57 | 3.48 | 2.93 | 3.39 |
| Solvency (end of year at cost) Number of farms Total assets Total liabilities Net worth Net worth change Farm debt to asset ratio Total debt to asset ratio Change in earned net worth % | 581 | 108 | 83 | 122 | 124 | 55 | 28 | 54 | 6 |
| | 2,624,660 | 1,135,164 | 1,062,701 | 1,653,086 | 2,376,072 | 3,894,298 | 4,679,508 | 6,702,697 | 14,957,336 |
| | 1,111,367 | 574,332 | 436,293 | 709,232 | 911,803 | 1,539,538 | 1,695,263 | 3,003,264 | 7,411,528 |
| | 1,513,293 | 560,831 | 626,408 | 943,854 | 1,464,269 | 2,354,760 | 2,984,245 | 3,699,433 | 7,545,808 |
| | 68,337 | 32,932 | 29,924 | 47,478 | 57,275 | 111,719 | 182,463 | 156,409 | -28,639 |
| | 45 % | 52 % | 47 % | 47 % | 40 % | 44 % | 38 % | 46 % | 50 % |
| | 42 % | 51 % | 41 % | 43 % | 38 % | 40 % | 36 % | 45 % | 50 % |
| | 5 % | 6 % | 5 % | 5 % | 4 % | 5 % | 7 % | 4 % | 0 % |
| Solvency (end of year at market) Number of farms Total assets Total liabilities Net worth Total net worth change Farm debt to asset ratio Total debt to asset ratio Change in total net worth % | 581 | 108 | 83 | 122 | 124 | 55 | 28 | 54 | 6 |
| | 3,170,008 | 1,478,738 | 1,356,561 | 2,007,419 | 2,910,861 | 4,638,353 | 5,463,126 | 8,110,815 | 15,747,228 |
| | 1,381,327 | 667,516 | 526,703 | 848,571 | 1,141,213 | 1,952,049 | 2,149,532 | 3,850,864 | 9,078,866 |
| | 1,788,681 | 811,223 | 829,858 | 1,158,848 | 1,769,648 | 2,686,304 | 3,313,594 | 4,259,951 | 6,668,363 |
| | 128,902 | 65,088 | 53,804 | 90,753 | 113,186 | 180,763 | 270,066 | 374,255 | -118,699 |
| | 46 % | 49 % | 44 % | 46 % | 41 % | 46 % | 41 % | 49 % | 58 % |
| | 44 % | 45 % | 39 % | 42 % | 39 % | 42 % | 39 % | 47 % | 58 % |
| | 8 % | 9 % | 7 % | 8 % | 7 % | 7 % | 9 % | 10 % | -2 % |
| Nonfarm Information Net nonfarm income Farms reporting living expenses Total family living expense Total living, invest, cap. purch | 39,600 72 70,074 95,297 | 42,103 7 62,623 78,195 | 49,566 17 66,283 93,495 | 37,162 17 64,951 90,718 | 40,446 14 76,352 84,370 | 32,859 8 75,858 107,605 | 34,705 4 - | 36,504 5 88,805 157,182 | 6,461 - - - |
| Crop Acres Total crop acres Total crop acres owned Total crop acres cash rented Total crop acres share rented Machinery value per crop acre | 813 241 567 5 786 | 22 13 8 3,084 | 183 96 85 1 1,185 | 376 156 218 2 951 | 723 262 461 0 889 | 1,258 448 806 4 791 | 1,733 445 1,239 49 747 | 2,843 722 2,100 22 681 | 6,248 150 6,098 600 |

Farm Income Statement Northern Minnesota Farm Business Management Data (Farms Sorted By Net Farm Income)

| | Avg. Of | | | |
|---------------------------------|-----------|----------------|-----------------|-----------|
| | All Farms | Low 20% | <u>40 - 60%</u> | High 20% |
| Number of farms | 581 | 116 | 116 | 117 |
| Sale of Crops | | | | |
| Barley | 2,828 | 4,940 | 236 | 3,317 |
| Beans, Edible | 12,046 | 18,108 | - | 27,406 |
| Corn | 147,857 | 175,212 | 73,510 | 305,667 |
| Corn Silage | 3,299 | 11,354 | 388 | 3,095 |
| Hay, Alfalfa | 1,683 | 1,358 | 1,153 | 4,118 |
| Hay,Other | 5,250 | 3,333 | 3,369 | 9,089 |
| Specialty Crop Enterprises | 1,490 | - | 2,414 | - |
| Potatoes | 16,000 | 4,183 | - | 75,308 |
| Soybeans | 132,738 | 124,976 | 61,308 | 309,154 |
| Canola | 8,852 | 7,316 | 1,214 | 27,092 |
| Sunflowers | 1,967 | 1,524 | - | 1,464 |
| Oats | 2,357 | 620 | 438 | 6,444 |
| Rye | 1,917 | 2,336 | 899 | 4,211 |
| Wheat, Spring | 50,565 | 32,144 | 18,204 | 146,661 |
| Grass Seed | 13,448 | 3,818 | 1,559 | 53,295 |
| Other Crop Enterprises | 6,314 | 2,805 | 371 | 22,906 |
| Miscellaneous crop income | 2,306 | 1,510 | 1,888 | 4,210 |
| Total Crop Sales | 410,917 | 395,537 | 166,951 | 1,003,437 |
| Sale of Livestock | | | | |
| Beef Cow-Calf, Beef Calves | 22,759 | 6,596 | 8,291 | 83,072 |
| Beef, Backgrounding | 13,891 | 2,863 | 6,439 | 43,967 |
| Beef, Finishing | 18,727 | 7,576 | 7,527 | 51,008 |
| Other Beef Enterprises | 3,286 | 171 | 86 | - |
| Dairy, Milk | 260,084 | 549,009 | 111,469 | 207,845 |
| Dairy Calves | 5,576 | 13,798 | 1,450 | 4,039 |
| Dairy Heifers (for sale) | 1,852 | 1,438 | 538 | 4,793 |
| Dairy Feeders & Backgrounding | 4,284 | 7,622 | 2,723 | 7,546 |
| Dairy Finishing | 28,564 | 44,239 | 12,465 | 65,315 |
| Hog and Pig Sales | 291 | - | 688 | 622 |
| Other Livestock Enterprises | 8,454 | 2,866 | 2,295 | - |
| Cull breeding livestock | 20,204 | 38,619 | 11,243 | 17,768 |
| Misc. livestock income | 2,205 | 3,296 | 1,281 | 1,551 |
| Total Livestock & Product Sales | 390,177 | 678,093 | 166,495 | 487,526 |
| Other farm income | | | | |
| Crop government payments | 371 | 987 | 155 | 551 |
| Conservation govt payments | 4,392 | 2,366 | 2,059 | 12,335 |
| Livestock govt payments | 17,405 | 22,644 | 11,213 | 19,378 |
| Other government payments | 13,426 | 6,024 | 14,164 | 27,564 |
| Custom work income | 12,732 | 11,268 | 15,887 | 21,040 |
| Patronage dividends, cash | 9,382 | 11,137 | 5,038 | 18,926 |
| Insurance income | 42,710 | 64,090 | 18,336 | 74,655 |
| Contract livestock income | 14,983 | 7,660 | 4,335 | 13,715 |
| Other farm income | 20,017 | 23,245 | 9,061 | 33,345 |
| Total Other Farm Income | 135,418 | 149,421 | 80,248 | 221,509 |
| | | | | |
| Gross Cash Farm Income | 936,512 | 1,223,051 | 413,694 | 1,712,472 |

Farm Income Statement Northern Minnesota Farm Business Management Data (Farms Sorted By Net Farm Income)

| (r arri | is somed by Net 1 a | arm meome, | | |
|--|-------------------------------|------------------|-------------------------------|-------------------|
| | <u>Average</u> | Low 20% | <u>40 - 60%</u> | High 20% |
| Number of farms | 581 | 116 | 116 | 117 |
| Direct Crop Expense | | | | |
| Seed Seed | 51,789 | 61,703 | 27,747 | 105,120 |
| Fertilizer | 93,245 | 107,225 | 36,917 | 208,528 |
| Crop chemicals | 39,264 | 38,146 | 15,716 | 94,436 |
| Crop insurance | 16,137 | 18,231 | 6,664 | 35,425 |
| Drying Expense | 3,481 | 3,795 | 1,812 | 6,892 |
| Other direct crop expenses | 8,087 | 10,871 | 2,767 | 16,323 |
| Total Direct Crop Expense | 212,003 | 239,971 | 91,623 | 466,724 |
| Direct Livestock Expense | | | | |
| Feeder livestock purchase | 32,885 | 21,497 | 11,711 | 98,345 |
| Purchased feed | 147,453 | 287,654 | 55,339 | 121,816 |
| Breeding fees | 4,048 | 7,849 | 1,655 | 4,687 |
| Veterinary | 8,251 | 13,239 | 3,132 | 12,634 |
| Supplies | 12,089 8,686 | 18,925 26,454 | 5,877 3,752 | 13,198 3,083 |
| Contract production exp. | 9,899 | 26,454 18,905 | 4,109 | 11,406 |
| Livestock hauling and trucking Livestock marketing | 4,668 | 7,083 | 2,847 | 6,140 |
| Bedding | 6,327 | 14,352 | 1,900 | 4,334 |
| Other livestock expenses | 1,698 | 2,399 | 742 | 1,248 |
| Total Direct Livestock Expense | 236,004 | 418,357 | 91,064 | 276,891 |
| Other Farm Expense | | | · | |
| Interest | 42,503 | 64,470 | 21,558 | 74,090 |
| Fuel & oil | 37,831 | 48,442 | 18,409 | 69,512 |
| Repairs | 69,470 | 91,783 | 35,584 | 121,860 |
| Custom hire | 21,080 | 38,839 | 10,475 | 25,572 |
| Hired labor | 48,001 | 94,113 | 18,127 | 65,836 |
| Land rent | 70,625 | 80,492 | 25,661 | 167,519 |
| Machinery & bldg leases | 11,479 | 16,745 | 4,245 | 21,522 |
| Real estate taxes | 6,013 | 6,949 | 3,796 | 9,671 |
| Farm insurance | 14,584 | 18,191 | 8,136 7,926 | 26,315 |
| Utilities Dues & professional fees | 13,771 5,015 | 20,691 5,856 | 7,926 3,101 | 17,832 8,395 |
| Miscellaneous | 10,573 | 13,006 | 5,053 | 21,236 |
| Total Other Farm Expense | 350,945 | 499,577 | 162,071 | 629,360 |
| Total cash expense | 798,952 | 1,157,905 | 344,758 | 1,372,975 |
| Net cash farm income | 137,560 | 65,146 | 68,936 | 339,497 |
| | 137,300 | 05,140 | 00,930 | 339,497 |
| Inventory Changes | 7 207 | 14.050 | 1.010 | 40.000 |
| Prepaids and supplies | -7, <mark>207</mark> 6,601 | -14,259 8,970 | -1, <mark>819</mark> 3,219 | -10,922 15,433 |
| Accounts receivable | 2,859 | 6,761 | 5,219 -59 | 7,541 |
| Hedging acct. & Oth Cur Assets Crops and feed | -11,042 | -63,990 | -5,909 | 43,485 |
| Market livestock | 25,528 | -3,006 | 6,538 | 107,048 |
| Breeding livestock | -2,199 | -6,021 | -1,358 | -499 |
| Accounts payable | -8,538 | -23,749 | -419 | -6,470 |
| Accrued Interest & other assets | -2,180 | -11,149 | 849 | 5,473 |
| Total inventory change | 3,823 | -106,443 | -656 | 161,089 |
| Net operating profit | 141,383 | -41,297 | 68,280 | 500,586 |
| Depreciation | | | | |
| Machinery and equipment | -43,223 | -61,704 | -19,978 | -82,710 |
| Titled vehicles | -5,503 | -8,165 | -2,621 | -8,682 |
| Buildings and improvements | -12,514 | -21,822 | -9,505 | -17,991 |
| Total depreciation | -61,241 | -91,692 | -32,105 | -109,383 |
| Net farm income from operations | 80,142 | -132,989 | 36,175 | 391,203 |
| Gain or loss on capital sales | 2,707 | 774 | 3,218 | 8,491 |
| Net farm income | 82,849 | -132,215 | 39,393 | 399,694 |
| 2002 Nambana Minasasta Associal Danast | | Carro Duainasa M | | |

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

| | Avg. Of All Farms | Low 20% | <u>40 - 60%</u> | High 20% |
|--|----------------------|---------------------|-----------------|---------------------|
| Number of farms | 581 | 116 | 116 | 117 |
| Assets | | | | |
| Current Farm Assets Cash and checking balance | 51,626 | 25,462 | 27,353 | 120,326 |
| Prepaid expenses & supplies | 60,463 | 53,441 | 21,396 | 142,714 |
| Growing crops | 3,258 | 8,623 | 339 | 5,886 |
| Accounts receivable | 39,036 | 60,351 | 18,523 | 70,780 |
| Hedging accounts | 1,957 | 295 | 171 | 6,759 |
| Crops held for sale or feed | 374,720 | 360,900 | 139,665 | 912,204 |
| Crops under government loan | 400.004 | - FF F70 | - | 200 440 |
| Market livestock held for sale Other current assets | 109,821 1,008 | 55,578 2,261 | 32,074 314 | 360,416 917 |
| Total current farm assets | 641,890 | 566,910 | 239,835 | 1,620,000 |
| Total current farm assets | 041,030 | 300,310 | 200,000 | 1,020,000 |
| Intermediate Farm Assets | | | | |
| Breeding livestock | 178,974 | 292,111 | 76,771 | 281,848 |
| Machinery and equipment | 539,846 | 600,425 | 256,794 | 1,158,701 |
| Titled vehicles | 53,747 | 60,629 | 30,152 | 102,780 |
| Other intermediate assets Total intermediate farm assets | 32,685 | 68,283 1,021,449 | 11,217 | 38,057 |
| Total intermediate farm assets | 805,252 | 1,021,449 | 374,934 | 1,581,385 |
| Long Term Farm Assets | | | | |
| Farm land | 585,115 | 657,388 | 349,617 | 965,327 |
| Buildings and improvements | 306,100 | 440,275 | 194,436 | 508,109 |
| Other long-term assets | 47,040 | 58,254 | 22,267 | 91,473 |
| Total long-term farm assets | 938,255 | 1,155,918 | 566,321 | 1,564,909 |
| Total Farm Assets | 2,385,397 | 2,744,277 | 1,181,090 | 4,766,295 |
| Total Nonfarm Assets | 239,263 | 292,981 | 168,389 | 282,592 |
| Total Assets | 2,624,660 | 3,037,258 | 1,349,479 | 5,048,887 |
| Liabilities | | | | |
| Current Farm Liabilities | | | | |
| Accrued interest | 12,199 | 16,466 | 4,961 | 22,757 |
| Accounts payable | 33,845 | 75,618 | 6,881 | 45,320 |
| Current notes | 198,739 | 225,475 | 75,100 | 465,393 |
| Government crop loans | <u>-</u> | - | - | - |
| Principal due on term debt | 80,007 | 115,703 | 41,666 | 139,655 |
| Total current farm liabilities | 324,790 | 433,262 | 128,608 | 673,125 |
| Total intermediate farm liabs | 198,416 | 297,562 | 92,750 | 386,753 |
| Total long term farm liabilities | 543,810 | 724,295 | 347,104 | 784,634 |
| Total farm liabilities | 1,067,016 | 1,455,119 | 568,462 | 1,844,512 |
| Total nonfarm liabilities | 44.350 | 44 906 | 34,415 | 51 002 |
| Total liabilities | 44,350 1,111,367 | 44,896 1,500,015 | 602,877 | 51,092 1,895,604 |
| Total liabilities | 1,111,307 | 1,300,013 | 002,077 | 1,093,004 |
| Net worth (farm and nonfarm) | 1,513,293 | 1,537,243 | 746,602 | 3,153,283 |
| Net worth change | 68,337 | -124,950 | 33,180 | 364,776 |
| Percent net worth change | 5 % | -8 % | 5 % | 13 % |
| Ratio Analysis | | | | |
| Current farm liabilities / assets | 51 % | 76 % | 54 % | 42 % |
| Intermediate farm liab. / assets | 25 % | 29 % | 25 % | 24 % |
| Long term farm liab. / assets | 58 % | 63 % | 61 % | 50 % |
| Total debt to asset ratio | 42 % | 49 % | 45 % | 38 % |
| | | | | |

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

| | Avg. Of All Farms | <u>Low 20%</u> | 40 - 60% | <u> High 20%</u> |
|---|--|--|---|---|
| Number of farms | 581 | 116 | 116 | 117 |
| Assets Current Farm Assets Cash and checking balance Prepaid expenses & supplies Growing crops Accounts receivable Hedging accounts Crops held for sale or feed Crops under government loan Market livestock held for sale Other current assets Total current farm assets | 51,626 60,463 3,258 39,036 1,957 374,720 109,821 1,008 641,890 | 25,462 53,441 8,623 60,351 295 360,900 - 55,578 2,261 566,910 | 27,353 21,396 339 18,523 171 139,665 32,074 314 239,835 | 120,326 142,714 5,886 70,780 6,759 912,204 - 360,416 917 1,620,000 |
| Intermediate Farm Assets Breeding livestock Machinery and equipment Titled vehicles Other intermediate assets Total intermediate farm assets | 180,321 | 295,262 | 76,738 | 281,413 |
| | 643,372 | 728,331 | 303,794 | 1,357,301 |
| | 63,169 | 75,795 | 35,391 | 117,674 |
| | 33,853 | 66,513 | 11,794 | 42,183 |
| | 920,716 | 1,165,901 | 427,716 | 1,798,570 |
| Long Term Farm Assets Farm land Buildings and improvements Other long-term assets Total long-term farm assets Total Farm Assets | 923,812 | 982,735 | 677,907 | 1,446,446 |
| | 342,504 | 495,583 | 209,768 | 565,163 |
| | 54,646 | 66,791 | 23,765 | 98,408 |
| | 1,320,962 | 1,545,109 | 911,440 | 2,110,018 |
| | 2,883,567 | 3,277,920 | 1,578,991 | 5,528,588 |
| Total Nonfarm Assets | 286,441 | 352,451 | 209,142 | 313,093 |
| Total Assets | 3,170,008 | 3,630,370 | 1,788,133 | 5,841,682 |
| Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities | 12,199 33,845 198,739 - 80,007 324,790 | 16,466 75,618 225,475 - 115,703 433,262 | 4,961 6,881 75,100 - 41,666 128,608 | 22,757 45,320 465,393 139,655 673,125 |
| Total intermediate farm liabs | 198,416 | 297,562 | 92,750 | 386,753 |
| Total long term farm liabilities | 543,810 | 724,295 | 347,104 | 784,634 |
| Total farm liabilities | 1,067,016 | 1,455,119 | 568,462 | 1,844,512 |
| Total nonfarm liabilities | 44,350 | 44,896 | 34,415 | 51,092 |
| Total liabs excluding deferreds | 1,111,367 | 1,500,015 | 602,877 | 1,895,604 |
| Total deferred liabilities | 269,960 | 306,291 | 148,035 | 568,339 |
| Total liabilities | 1,381,327 | 1,806,306 | 750,912 | 2,463,944 |
| Retained earnings Market valuation equity Net worth (farm and nonfarm) Net worth excluding deferreds Net worth change Percent net worth change | 1,513,293 | 1,537,243 | 746,602 | 3,153,283 |
| | 275,388 | 286,821 | 290,619 | 224,455 |
| | 1,788,681 | 1,824,065 | 1,037,221 | 3,377,738 |
| | 2,058,642 | 2,130,356 | 1,185,256 | 3,946,077 |
| | 128,902 | -47,349 | 73,933 | 431,162 |
| | 8 % | -3 % | 8 % | 15 % |
| Ratio Analysis Current farm liabilities / assets Intermediate farm liab. / assets Long term farm liab. / assets Total debt to asset ratio Debt to assets excl deferreds | 51 % | 76 % | 54 % | 42 % |
| | 22 % | 26 % | 22 % | 22 % |
| | 41 % | 47 % | 38 % | 37 % |
| | 44 % | 50 % | 42 % | 42 % |
| | 35 % | 41 % | 34 % | 32 % |

Recommended Farm Financial Ratios

Explanations of the FFSC recommended measures on the scorecard and where to find the information for each measure

Measures from the Balance Sheet

The balance sheet provides information on both a business's both **liquidity** and **solvency** positions. **Liquidity** is the ability of the farm business to meet financial obligations as they came due, or to generate enough cash to pay for family living expenses, taxes, and to make on-time debt payments. **Solvency** is the ability of the farm business to meet all of it's debts if it were sold at the current point in time.

Recommended Liquidity Ratios

Current Ratio

Measures the extent to which current farm assets, if sold tomorrow, would pay off the farm's current liabilities.

• Working Capital as % of Gross Revenue

Measures the operating capital available against the size of the business.

Working Capital as % of Operating Expense*

Measures the operating capital available against the amount of the business's operating expenses.

Recommended Solvency Ratios

• <u>Debt-to-Asset Ratio</u>

Is the bank's share of the farm business. Compares total <u>farm</u> debt to total <u>farm</u> assets. A higher ratio indicates greater financial risk & lower borrowing capacity.

• Equity-to-Asset Ratio*

Is the farmer's share of the business. Compares total <u>farm</u> equity to total <u>farm</u> assets. *Debt-to-Asset* ratio + *Equity-to-Asset* ratio must = 100%.

Debt-to-Equity Ratio*

Compares the creditor's investment to the farm owner's investment. It also indicates how much the farmer has leveraged their equity in the business.

Measures from the Income Statement

The *income statement* is a financial statement which provides information regarding the **profitability** of the farm business. **Profitability** is the difference between the value of goods produced and the cost of the resources used in their production.

Recommended Profitability Measures

• Rate of Return on Assets

Can be thought of as the average interest rate being earned on all (yours and the creditor's) investments in the farm.

• Rate of Return on Equity

Represents the interest rate being earned by your investment in the farm. This interest rate or return can be compared to returns available if your equity were invested elsewhere, such as a Certificate of Deposit or the stock market.

Operating Profit Margin Ratio

Shows the operating efficiency of the farm business. If expenses are low relative to the value of farm production, or revenue, the business will have a healthy operating profit margin. A low profit margin ratio can be caused by low product prices, high operating expenses, or inefficient production.

Asset Turnover Ratio

Measures efficiency in using capital. You could think of it as a measure of capital productivity. Generating a high level of production with a low level of capital investment will show as a high asset turnover rate. If, on the other hand, the turnover is low you will want to explore methods to use the capital invested more efficiently or sell some low-return investments. It could mean getting rid of that swampy parcel on the back 40 and getting something that produces income.

* Denotes Acceptable Alternate Measures of the FFSC (https://ffsc.org/)

Recommended Farm Financial Ratios (cont.)

Explanations of the FFSC recommended measures on the scorecard and where to find the information for each measure

Measures from the Cash-Flow Statement

The *cash-flow statement* provides information on a business's **repayment capacity**. **Repayment capacity** shows the borrower's (i.e. your) ability to repay debts on time. It includes non-farm income and as such is **not** a measure of business performance alone.

Recommended Repayment Capacity

• <u>Debt Coverage Ratio</u>

Indicates whether your business generated enough income to cover current interest expense and all intermediate and long-term debt payments.

• Replacement Coverage Ratio

A ratio of less than 1.0 indicates that you did not generate enough income to cover debt payments and unfunded capital purchases.

• Term Debt & Finance Lease Coverage Ratio*

Indicates whether your business generated enough income to cover all intermediate and long-term debt payments. A ratio of less than 1.0 indicates the business had to liquidate inventories, run up open accounts, borrow additional funds, or sell assets to make scheduled payments.

Measures from all the Financial Statements

Using all the financial statements can provide valuable insight into the **financial efficiency** of a farm business. These measures show where each dollar of income generated is spent.

Recommended Financial Efficiency

• Operating Expense Ratio

Shows the proportion of farm income that is used to pay operating expenses, excluding depreciation and interest expense.

• Interest Expense Ratio

Shows how much of gross farm income is used to pay for interest on borrowed capital.

• Depreciation & Amortization Expense Ratio

Indicates how fast the business wears out capital. It tells what proportion of gross farm income is needed to maintain the capital used by the business. It is important to note that a depreciation expense ratio of less than 3% **could** indicate the operation is not replacing inefficient assets and may have higher repair expenses.

• Net Farm Income (Income from Operations) Ratio

Compares profit to gross revenue. It shows how much is left after all farm expenses, except for unpaid labor and management, are paid.

* Denotes Acceptable Alternate Measures of the FFSC (https://ffsc.org/)

Other Important Farm Financial Measures

Other important measures (and their calculations) that are utilized in the scorecard

Working Capital

Measures the operating capital available in the shortterm from within the business.

Total Current Farm Assets

- (-) Total Current Farm Liabilities
- = Working Capital

Net Farm Income (NFI)

Represents the return to three things that you have invested in the farm business:

- 1) Your labor
- 2) Your management, and
- 3) Your equity.

NFI is the reward for investing your unpaid family labor, management, and money in the farm instead of elsewhere. Anything left in the business and not taken out to pay for family living expenses or taxes, will increase the net worth of the farm.

Gross Accrual Farm Revenue

- (-) Total Accrual Operating Expense (including Depreciation & Amortization Expense)
- = Income from Operations
- (-) Farm Interest Expense
- = Net Farm Income

Value of Farm Production (VFP)

VFP is a measure of the value a farm operation has added to products sold.

Gross Cash Farm Revenue

- (-) Feeder Livestock Purchased
- (-) Purchased Feed
- (+/-) Changes in Inventories
- = Value of Farm Production

Repayment and Replacement Capacity Calculations

Income from Operations

- (+/-) Miscellaneous Revenue / Expenses
- (+) Non-farm Income
- (+) Depreciation / Amortization Expenses
- (-) Income Tax Expense
- (-) Owner Withdrawals
- = Repayment and Replacement Capacity

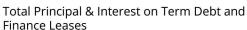
Repayment and Replacement Capacity (-) *Interest Expense on Current Debt*

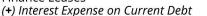


= Term Debt Repayment & Replacement Capacity

Prior Year Current Portion of Long-Term Debt (+) Prior Year Current Portion of Finance Leases

- (+) Interest Expense on Term Debt
- (+) Interest Expense on Finance Leases
- = Total Principal & Interest on Term Debt and Finance Leases





- (+) Payment on Unpaid Operating Debt from Prior Period (loss carryover)
- (+) Annual Payments on Personal Liabilities
- = Total Debt Repayment

Repayment & Replacement Capacity (-) Total Debt Repayment

= Repayment Margin



= Replacement Margin

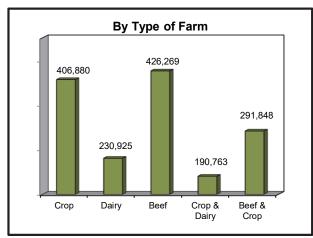
- 1 = Measures the amount generated from farm and non-farm sources, to cover debt repayment and capital replacement.
- 2 = Portion of depreciable capital asset purchases not funded by term debt and finance leases. This measure is the amount of internally generated funds used for investing activities related to depreciable capital assets.

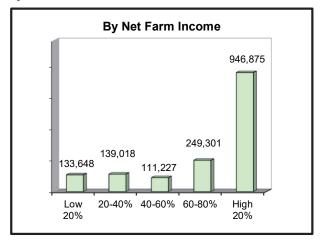
Developed by: Devin Brand, Pauline Van Nurden, Dale Nordquist, Mark Cannella, Katherine Wilts Johnson & Robert Craven Provided courtesy of the University of Minnesota Center for Farm Financial Management. For more information, visit: z.umn.edu/scorecard

Selected Financial Guideline Measures

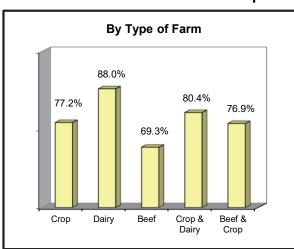
Northern Minnesota Farm Business Management Data

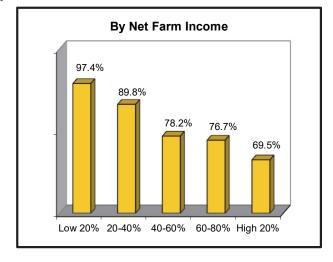
Working Capital



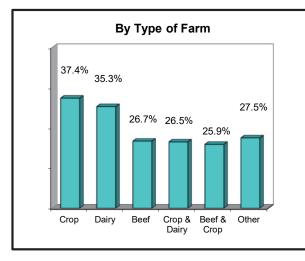


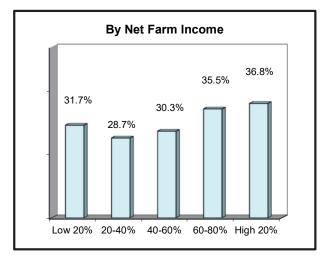
Operating Expense Ratio





Asset Turnover Rate

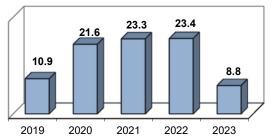


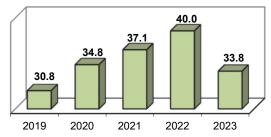


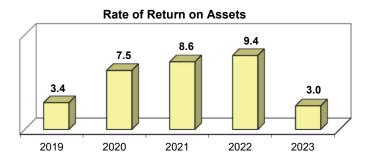
Financial Standards Measures Northern Minnesota Farm Business Management Data (Farms Sorted By Net Farm Income)

| | Avg. Of | | | |
|---------------------------------------|-----------|----------------|-----------------|-----------------|
| | All Farms | <u>Low 20%</u> | <u>40 - 60%</u> | <u>High 20%</u> |
| Number of farms | 581 | 116 | 116 | 117 |
| Liquidity | | | | |
| Current ratio | 1.98 | 1.31 | 1.86 | 2.41 |
| Working capital to gross income | 33.0% | 11.5% | 26.7% | 50.0% |
| Working capital to operating expenses | 41.0% | 11.8% | 34.1% | 71.9% |
| Solvency (market) | | | | |
| Farm debt to asset ratio | 46% | 54% | 45% | 44% |
| Farm equity to asset ratio | 54% | 46% | 55% | 56% |
| Farm debt to equity ratio | 0.86 | 1.15 | 0.82 | 0.77 |
| Profitability (cost) | | | | |
| Rate of return on farm assets | 3.0% | -4.5% | 1.8% | 8.2% |
| Rate of return on farm equity | 1.7% | -14.3% | -0.2% | 10.7% |
| Operating profit margin | 8.8% | -14.3% | 6.0% | 22.3% |
| Asset turnover rate | 33.8% | 31.7% | 30.3% | 36.8% |
| Repayment Capacity | | | | |
| Debt coverage ratio | 1.30 | 0.14 | 1.20 | 2.33 |
| Term debt coverage ratio | 1.35 | -0.03 | 1.22 | 2.53 |
| Replacement coverage ratio | 1.06 | 0.12 | 0.98 | 1.84 |
| Efficiency | | | | |
| Operating expense ratio | 80.5% | 97.4% | 78.2% | 69.5% |
| Depreciation expense ratio | 6.4% | 7.9% | 7.7% | 5.8% |
| Interest expense ratio | 4.8% | 6.1% | 5.4% | 4.1% |
| Net farm income ratio | 8.4% | -11.4% | 8.7% | 20.6% |

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







How does your Farm Stack Up?

Northern Minnesota Farm Business Management Data

Below is a summary of the low, average, and high farms using the Financial Standards Measures. The numbers listed below are intended to provide a general overview of the farm situation for the current year and over a five year period. The current year data provides a snapshot of the conditions that represent the present while the five year data provides a longer term look at these factors to enable their use in potential decision making activities.

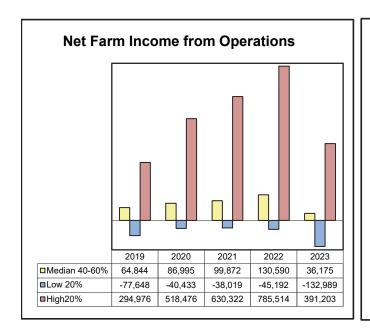
For additional information, please see the back cover of this report. A "Financial Scorecard" is provided in color for your use.

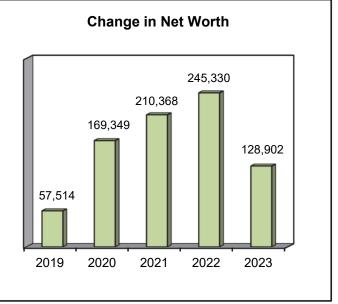
| Evaluation Chart | | Low | Farms | Ave | erage | High | <u>Farms</u> | You | r Farm |
|---------------------------------|----|--------|----------|--------|----------|--------|--------------|------|----------|
| | | 2023 | 5 Yr Avg | 2023 | 5 Yr Avg | 2023 | 5 Yr Avg | 2023 | 5 Yr Avg |
| Liquidity | | | | | | | | | |
| Current Ratio | | 1.31 | 1.24 | 1.98 | 2.00 | 2.41 | 2.34 | | |
| Garrette Hadio | | 1.01 | 1.21 | 1.00 | 2.00 | 2.71 | 2.07 | | |
| Working Capital to Gross Rev. | % | 11.5% | 10.8% | 33.0% | 31.8% | 50.0% | 39.5% | | |
| Working Capital to Oper Exp. * | % | 11.8% | 14.1% | 41.0% | 47.3% | 71.9% | 61.0% | | |
| Solvency (Market) | | | | | | | | | |
| Farm Debt to Asset Ratio | % | 54% | 54% | 46% | 46% | 44% | 43% | | |
| Farm Equity to Asset Ratio | % | 46% | 46% | 54% | 54% | 56% | 57% | | |
| Farm Debt to Equity Ratio | % | 1.15 | 1.16 | 0.86 | 0.86 | 0.77 | 0.77 | | |
| Profitability (Cost) | | | | | | | | | |
| Rate of Return on Farm Assets | % | -4.5% | -4.5% | 3.0% | 6.4% | 8.2% | 10.6% | | |
| Nate of Neturn of Family Assets | 70 | -4.570 | -4.576 | 3.0 /0 | 0.476 | 0.2 /0 | 10.076 | | |
| Rate of Return on Farm Equity | % | -14.3% | -16.7% | 1.7% | 8.2% | 10.7% | 14.9% | | |
| Operating Profit Margin | % | -14.3% | -20.0% | 8.8% | 17.6% | 22.3% | 26.0% | | |
| Asset Turnover Rate (Cost) | % | 31.7% | 23.2% | 33.8% | 35.3% | 36.8% | 40.4% | | |
| Repayment Capacity (Accrual) | | | | | | | | | |
| Debt Coverage Ratio * | | 0.14 | 0.40 | 1.3 | 2.17 | 2.33 | 3.13 | | |
| Term Debt Coverage Ratio | | -0.03 | 0.23 | 1.35 | 2.11 | 2.53 | 3.15 | | |
| Replacement Coverage Ratio | | 0.12 | 0.23 | 1.06 | 1.65 | 1.84 | 2.38 | | |
| | | | | | | | | | |
| <u>Efficiency</u> | | | | | | | | | T |
| Operating Expense Ratio | % | 97.4% | 96.6% | 80.5% | 73.0% | 69.5% | 68.0% | | |
| Depreciation Expense Ratio | % | 7.9% | 10.0% | 6.4% | 6.2% | 5.8% | 5.4% | | |
| Interest Expense Ratio | % | 6.1% | 8.8% | 4.8% | 4.9% | 4.1% | 3.6% | | |
| Net Farm Income Ratio | % | -11.4% | -16.7% | 8.4% | 13.8% | 20.6% | 22.2% | | |

^{*} NOTE: The average data for these ratios is based on a 4-year history. The Farm Financial Standards Council modified the recommended standards so the full 5-year history is not currently available.

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

| | Avg. Of All Farms | Low 20% | 40 - 60% | High 20% |
|----------------------------------|----------------------|-----------|----------|-----------|
| Number of farms | 581 | 116 | 116 | 117 |
| Liquidity | | | | |
| Current ratio | 1.98 | 1.31 | 1.86 | 2.41 |
| Working capital | 317,100 | 133,648 | 111,227 | 946,875 |
| Change in Working Capital | -52,284 | -178,424 | -29,044 | 19,093 |
| Working capital to gross revenue | 33.0% | 11.5% | 26.7% | 50.0% |
| Working capital to oper expense | 41.0% | 11.8% | 34.1% | 71.9% |
| Current assets | 641,890 | 566,910 | 239,835 | 1,620,000 |
| Current liabilities | 324,790 | 433,262 | 128,608 | 673,125 |
| Gross revenues (accrual) | 959,729 | 1,162,553 | 416,632 | 1,894,739 |
| Total operating expenses | 772,563 | 1,132,629 | 325,844 | 1,316,703 |
| Repayment capacity | | | | |
| Net farm income from operations | 80,142 | -132,989 | 36,175 | 391,203 |
| Depreciation | 61,240 | 91,691 | 32,104 | 109,384 |
| Personal income | 39,600 | 51,357 | 40,727 | 33,463 |
| Family living/owner withdrawals | -60,761 | -53,917 | -51,264 | -90,759 |
| Cash discrepancy | 5 | 33 | 29 | 11 |
| Income taxes | -8,761 | -5,804 | -5,130 | -21,430 |
| Interest expense | 47,315 | 72,656 | 24,345 | 78,913 |
| Debt repayment capacity | 158,781 | 23,029 | 76,987 | 500,785 |
| Debt payments | 121,883 | 166,371 | 64,095 | 214,747 |
| Repayment margin | 36,898 | -143,342 | 12,891 | 286,038 |
| Cash replacement allowance | -28,279 | -32,659 | -14,360 | -57,469 |
| Replacement margin | 8,619 | -176,000 | -1,469 | 228,569 |
| Debt coverage ratio | 1.30 | 0.14 | 1.20 | 2.33 |
| Term debt coverage ratio | 1.35 | -0.03 | 1.22 | 2.53 |
| Replacement coverage ratio | 1.06 | 0.12 | 0.98 | 1.84 |





Operator and Labor Information Northern Minnesota Farm Business Management Data (Farms Sorted By Net Farm Income)

| | Avg. Of | | | |
|---------------------------------|-----------|-----------|-----------|-----------|
| | All Farms | Low 20% | 40 - 60% | High 20% |
| Number of farms | 581 | 116 | 116 | 117 |
| Operator Information | | | | |
| Average number of operators | 1.2 | 1.3 | 1.1 | 1.4 |
| Average age of operators | 46.9 | 50.3 | 46.4 | 46.8 |
| Average number of years farming | 21.8 | 25.2 | 21.1 | 23.1 |
| Results Per Operator | | | | |
| Working capital | 254,713 | 103,874 | 99,628 | 661,399 |
| Total assets (market) | 2,546,332 | 2,821,594 | 1,601,663 | 4,080,458 |
| Total liabilities | 1,109,561 | 1,403,896 | 672,606 | 1,721,083 |
| Net worth (market) | 1,436,771 | 1,417,698 | 929,058 | 2,359,375 |
| Net worth excl deferred liabs | 1,653,619 | 1,655,754 | 1,061,655 | 2,756,364 |
| Gross farm income | 770,909 | 903,559 | 373,185 | 1,323,489 |
| Total farm expense | 706,534 | 1,006,920 | 340,782 | 1,050,231 |
| Net farm income from operations | 64,375 | -103,361 | 32,403 | 273,258 |
| Net nonfarm income | 31,809 | 39,916 | 36,480 | 23,374 |
| Family living & tax withdrawals | 55,840 | 46,390 | 50,487 | 78,357 |
| Total acres owned | 295.2 | 321.8 | 225.1 | 430.4 |
| Total crop acres | 653.4 | 682.7 | 373.2 | 1,161.5 |
| Crop acres owned | 193.5 | 217.6 | 146.6 | 281.9 |
| Crop acres cash rented | 455.5 | 459.4 | 225.2 | 874.9 |
| Crop acres share rented | 4.4 | 5.7 | 1.4 | 4.7 |
| Total pasture acres | 34.5 | 25.7 | 31.1 | 48.5 |
| Labor Analysis | | | | |
| Number of farms | 570 | 113 | 115 | 115 |
| Total unpaid labor hours | 2,513 | 2,499 | 1,946 | 3,345 |
| Total hired labor hours | 2,393 | 4,717 | 765 | 2,929 |
| Total labor hours per farm | 4,906 | 7,216 | 2,710 | 6,273 |
| Unpaid hours per operator | 2,026 | 1,958 | 1,755 | 2,338 |
| Value of farm production / hour | 160.04 | 120.63 | 129.20 | 266.09 |
| Net farm income / unpaid hour | 31.95 | -54.10 | 18.49 | 116.84 |
| Average hourly hired labor wage | 20.52 | 20.51 | 22.32 | 22.49 |
| Partnerships & LLCs | | | | |
| Number of farms | 103 | 26 | 11 | 31 |
| Number of operators | 2.0 | 1.7 | 2.4 | 2.3 |
| Owner withdrawals per farm | 124,157 | - | - | 184,872 |
| Withdrawals per operator | 56,222 | - | - | 72,628 |
| Corporations | | | | |
| Number of farms | 18 | 6 | 3 | 6 |
| Number of operators | 2.3 | 2.0 | - | 1.8 |

Household and Personal Expenses Northern Minnesota Farm Business Management Data (Farms Sorted By Net Farm Income)

| | Avg. Of All Farms | Low 20% | 40 - 60% | High 20% |
|------------------------------------|----------------------|---------|----------|----------|
| Number of farms | 72 | 10 | 13 | 16 |
| Average family size | 3.4 | 3.6 | 3.5 | 3.0 |
| Family Living Expenses | | | | |
| Food and meals expense | 12,989 | 13,643 | 13,583 | 13,784 |
| Medical care | 4,759 | 3,671 | 3,963 | 7,984 |
| Health insurance | 3,441 | 640 | 3,230 | 4,428 |
| Cash donations | 1,671 | 1,476 | 1,675 | 2,240 |
| Household supplies | 4,644 | 6,356 | 2,312 | 5,541 |
| Clothing | 1,999 | 2,967 | 1,040 | 2,616 |
| Personal care | 3,472 | 3,607 | 2,190 | 4,203 |
| Child / Dependent care | 504 | 53 | 424 | 220 |
| Alimony and child support | 248 | - | - | - |
| Gifts | 1,956 | 1,977 | 3,470 | 1,864 |
| Education | 1,521 | 1,164 | 381 | 596 |
| Recreation | 6,970 | 8,157 | 7,305 | 4,159 |
| Utilities (household share) | 2,589 | 2,534 | 3,537 | 1,986 |
| Personal vehicle operating exp | 3,705 | 4,652 | 3,942 | 3,181 |
| Household real estate taxes | 374 | 72 | 939 | 54 |
| Dwelling rent | 531 | - | 1,627 | 350 |
| Household repairs | 3,249 | 2,182 | 5,593 | 4,476 |
| Personal interest | 2,518 | 5,328 | 4,555 | 153 |
| Disability / Long term care ins | 343 | 152 | 403 | 216 |
| Life insurance payments | 2,728 | 1,682 | 1,349 | 5,729 |
| Personal property insurance | 309 | 249 | 973 | 112 |
| Miscellaneous | 8,579 | 7,474 | 5,996 | 8,151 |
| Total cash family living expense | 69,097 | 68,034 | 68,486 | 72,044 |
| Family living from the farm | 978 | 450 | 900 | 1,792 |
| Total family living | 70,074 | 68,484 | 69,386 | 73,837 |
| Other Nonfarm Expenditures | | | | |
| Income taxes | 9,835 | 5,631 | 9,620 | 12,033 |
| Furnishing & appliance purchases | 98 | - | - | - |
| Nonfarm vehicle purchases | 4,470 | 13,003 | 4,216 | 6,661 |
| Nonfarm real estate purchases | 6,493 | 16,674 | 23,440 | - |
| Other nonfarm capital purchases | 559 | 1,325 | - | - |
| Nonfarm savings & investments | 4,746 | -254 | 693 | 16,354 |
| Total other nonfarm expenditures | 26,200 | 36,379 | 37,970 | 35,047 |
| Total cash family living | | | | |
| investment & nonfarm capital purch | 95,297 | 104,413 | 106,456 | 107,092 |

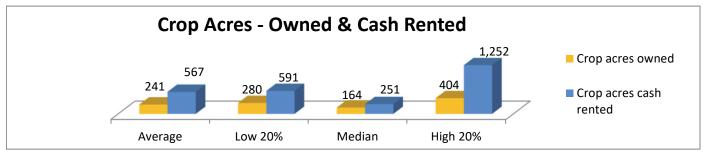
Nonfarm Summary Northern Minnesota Farm Business Management Data (Farms Sorted By Net Farm Income)

| | Avg. Of All Farms | Low 20% | 40 - 60% | High 20% |
|-----------------------------|----------------------|---------|----------|----------|
| Number of farms | 581 | 116 | 116 | 117 |
| Nonfarm Income | | | | |
| Personal wages & salary | 26,519 | 21,814 | 33,792 | 19,142 |
| Net nonfarm business income | 6,249 | 21,116 | 399 | 6,836 |
| Personal rental income | 310 | 586 | 62 | 273 |
| Personal interest income | 727 | 252 | 140 | 2,438 |
| Personal cash dividends | 95 | 17 | 180 | 38 |
| Tax refunds | 1,471 | 1,156 | 1,673 | 1,076 |
| Other nonfarm income | 4,229 | 6,416 | 4,480 | 3,661 |
| Total nonfarm income | 39,600 | 51,357 | 40,727 | 33,463 |
| | 55,555 | - 1, 1 | , | 22,122 |
| Gifts and inheritances | 11,860 | 11,815 | 3,351 | 41,613 |
| Nonfarm Assets (market) | | | | |
| Checking & savings | 12,364 | 5,923 | 10,889 | 18,475 |
| Stocks & bonds | 11,079 | 10,320 | 7,526 | 27,035 |
| Other current assets | 2,245 | 3,103 | 849 | 4,839 |
| Furniture & appliances | 6,818 | 6,459 | 8,367 | 6,003 |
| Nonfarm vehicles | 21,449 | 16,413 | 21,726 | 27,932 |
| Cash value of life ins. | 9,535 | 29,799 | 5,353 | 4,866 |
| Retirement accounts | 80,844 | 49,133 | 53,370 | 78,466 |
| Other intermediate assets | 6,365 | 9,914 | 2,487 | 4,001 |
| Nonfarm real estate | 99,683 | 112,489 | 94,365 | 114,009 |
| Personal bus. investment | 25,960 | 99,977 | 1,552 | 11,969 |
| Other long term assets | 10,098 | 8,921 | 2,659 | 15,498 |
| Total nonfarm assets | 286,441 | 352,451 | 209,142 | 313,093 |
| Nonfarm Liabilities | | | | |
| Accrued interest | 110 | 113 | 81 | 57 |
| Accounts payable | 2,445 | 399 | 533 | 9,045 |
| Current notes | 2,398 | 932 | 980 | 1,011 |
| Princ due on term debt | 3,509 | 4,247 | 3,724 | 2,944 |
| Total current liabilities | 8,461 | 5,690 | 5,319 | 13,058 |
| Intermediate liabilities | 7,081 | 10,211 | 5,969 | 3,564 |
| Long term liabilities | 28,808 | 28,994 | 23,127 | 34,471 |
| Total nonfarm liabilities | 44,350 | 44,896 | 34,415 | 51,092 |
| Nonfarm net worth | 242,091 | 307,555 | 174,727 | 262,001 |
| Nonfarm debt to asset ratio | 15 % | 13 % | 16 % | 16 % |

Crop Production and Marketing Summary Northern Minnesota Farm Business Management Data

(Farms Sorted By Net Farm Income)

| | Avg. Of <u>All Farms</u> | Low 20% | <u>40 - 60%</u> | High 20% |
|--|-----------------------------|----------|-----------------|----------|
| Number of farms | 581 | 116 | 116 | 117 |
| Acreage Summary | | | | |
| Total acres owned | 368 | 414 | 251 | 616 |
| Total crop acres | 813 | 878 | 417 | 1663 |
| Crop acres owned | 241 | 280 | 164 | 404 |
| Crop acres cash rented | 567 | 591 | 251 | 1,252 |
| Crop acres share rented | 5 | 7 | 2 | 7 |
| Total pasture acres | 43 | 33 | 35 | 69 |
| Percent crop acres owned | 30% | 32% | 39% | 24% |
| Mach invest/crop acre cost | 664 | 718 | 647 | 676 |
| Mach invest/crop acre market | 786 | 869 | 763 | 783 |
| Average Price Received (Cash Sales Only) | | | | |
| Soybeans per bushel | \$13.32 | \$13.24 | \$12.96 | \$13.43 |
| Corn per bushel | \$5.74 | \$5.72 | \$5.46 | \$5.91 |
| Wheat, Spring per bushel | \$8.30 | \$7.35 | \$7.46 | \$8.60 |
| Oats per bushel | \$4.83 | \$3.77 | \$3.90 | \$5.28 |
| Rye per bushel | \$7.02 | \$7.42 | \$7.29 | \$6.81 |
| Hay, Alfalfa per ton | \$190.01 | \$287.28 | \$175.05 | \$200.00 |
| Corn Silage per ton | \$40.63 | \$41.02 | · - | · - |
| Soybeans Seed per bushel | \$15.13 | - | - | \$15.08 |
| Grass Seed, Perennial Rye per lb | \$0.97 | - | - | \$0.96 |
| Canola per cwt | \$26.94 | - | - | \$27.64 |
| Beans, Navy per cwt | \$36.17 | - | - | \$36.32 |
| Beans, Black Turtle per cwt | \$37.29 | - | - | - |
| Potatoes per cwt | \$13.19 | - | - | \$12.92 |
| Average Yield Per Acre | | | | |
| Soybeans (bushel) | 39.54 | 35.77 | 35.87 | 41.47 |
| Corn (bushel) | 166.28 | 157.38 | 156.00 | 174.27 |
| Wheat, Spring (bushel) | 65.91 | 57.41 | 64.21 | 68.18 |
| Oats (bushel) | 105.38 | 82.44 | 78.38 | 131.02 |
| Rye (bushel) | 40.42 | 28.30 | 32.63 | 43.55 |
| Hay, Alfalfa (ton) | 3.60 | 3.87 | 3.36 | 3.34 |
| Corn Silage (ton) | 16.84 | 16.75 | 16.54 | 17.15 |
| Soybeans Seed (bushel) | 40.38 | 39.93 | - | 40.14 |
| Grass Seed, Perennial Rye (lbs) | 768.47 | - | - | 784.51 |
| Canola (cwt) | 27.05 | - | - | 28.48 |
| Beans, Navy (cwt) | 24.16 | - | - | 23.73 |
| Beans, Black Turtle (cwt) | 19.06 | - | - | - |
| Potatoes per (cwt) | 474.25 | - | - | 490.78 |
| | | | | |



Financial Summary

Northern Minnesota Farm Business Management Data Specialty Crop Producers with less than \$100,000 of Gross Cash Farm Income (Farms Sorted By Net Farm Income)

| | Avg. Of All Farms | Low 33% | <u>33 - 66%</u> | High 34% |
|--|------------------------|-----------------------------|-------------------------|---------------------------|
| Number of farms | 17 | 5 | 6 | 6 |
| Income Statement Gross cash farm income | 33,413 | 35,895 | 26,474 | 38,284 |
| Total cash farm expense Net cash farm income Inventory change | 32,694 719 198 | 57,525 -21,631 -3,372 | 21,275 5,199 -628 | 23,420 14,864 3,997 |
| Depreciation Net farm income from operations | -10,695 -9,778 | -20,009 -45,012 | -9,436 -4,864 | -4,193 14,669 |
| Gain or loss on capital sales Average net farm income Median net farm income | 41 -9,737 -4,786 | -45,012 -41,848 | 117 -4,748 -5,394 | 14,669 6,182 |
| Profitability (cost) Rate of return on assets | -9.8 % | -13.3 % | -11.6 % | -3.2 % |
| Rate of return on equity | -13.4 % | -17.5 % | -20.7 % | -4.0 % |
| Operating profit margin Asset turnover rate | -97.7 % 10.0 % | -205.1 % 6.5 % | -86.0 % 13.5 % | -24.4 % 13.1 % |
| Profitability (market) Rate of return on assets | 1.8 % | 7.9 % | -7.6 % | -2.6 % |
| Rate of return on equity Operating profit margin | 1.8 % 22.4 % | 8.8 % 156.8 % | -12.9 % -66.5 % | -3.1 % -22.0 % |
| Asset turnover rate | 8.2 % | 5.0 % | 11.5 % | 11.6 % |
| Liquidity & Repayment (end of year) Current assets | 20,824 | 29,690 | 11,634 | 22,626 |
| Current liabilities Current ratio | 8,337 2.50 | 10,359 2.87 | 8,705 1.34 | 6,283 3.60 |
| Working capital Change in working capital | 12,487 925 | 19,331 -2,613 | 2,928 198 | 16,343 4,602 |
| Working capital to gross revenue | 35.2 % | 53.3 % | 10.2 % | 39.3 % |
| Working capital to oper expense Debt coverage ratio | 38.0 % 1.81 | 33.6 % 0.10 | 12.8 % 2.21 | 73.0 % 2.91 |
| Term debt coverage ratio | 1.77 1.35 | 0.08 0.05 | 2.07 1.87 | 2.92 2.60 |
| Replacement coverage ratio Term debt to EBITDA | 27.28 | -4.58 | 12.25 | 2.48 |
| Solvency (end of year at cost) Number of farms | 17 | 5 | 6 | 6 |
| Total assets Total liabilities | 584,988 114,444 | 1,017,116 103,363 | 403,174 185,842 | 406,694 52,281 |
| Net worth | 470,543 | 913,753 | 217,333 | 354,413 |
| Net worth change Farm debt to asset ratio | -655 22 % | -18,562 20 % | -6,738 38 % | 20,351 17 % |
| Total debt to asset ratio | 20 % | 10 % | 46 % | 13 % |
| Change in earned net worth % Solvency (end of year at market) | 0 % | -2 % | -3 % | 6 % |
| Number of farms | . 17 | 5 | 6 | 6 |
| Total assets Total liabilities | 1,026,121 124,602 | 1,258,822 124,225 | 1,133,843 196,110 | 724,481 53,409 |
| Net worth | 901,518 | 1,134,598 | 937,733 | 671,071 |
| Total net worth change Farm debt to asset ratio | 46,671 19 % | 102,944 16 % | 829 34 % | 45,618 15 % |
| Total debt to asset ratio Change in total net worth % | 12 % 5 % | 10 % 10 % | 17 % 0 % | 7 % 7 % |
| Nonfarm Information Net nonfarm income | 53,902 | 77,437 | 71,365 | 16,826 |
| Crop Acres Total crop acres | 5 | 15 | 0 | 1 |
| Total crop acres owned | 1 | 2 | - | 0 |
| Total crop acres cash rented Total crop acres share rented | 4 - | 14 - | 0 | 0 |
| Machinery value per crop acre | 3,937 | 3,293 | 4,608 | 17,650 |

Individual Enterprise Analysis Tables

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

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

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

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

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

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

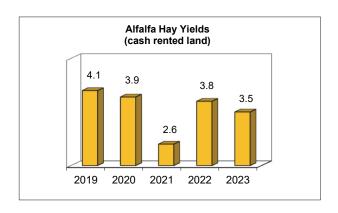
At the bottom of each livestock report, there is a list of selected factors for each enterprise. These factors are a combination of production indicators and efficiency indicators.

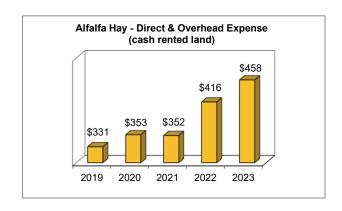
Towards the bottom of both the <u>crop and livestock</u> enterprise tables, are four (4) factors that show varying levels of Cost of Production. Those factors include a cost of production based on: direct costs, overhead & direct costs, total cost less government payments and/or other revenue, and total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

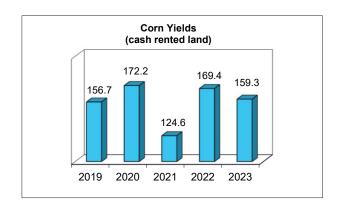
<u>Machinery Cost per Acre</u> is a factor used to combine all costs related to machinery usage. The Machinery Cost per Acre includes: Fuel & Oil, Repairs, Custom hire, Machinery leases, Interest on machinery debt, and Machinery depreciation. A machinery cost summary for five prominent Northern Minnesota crops is listed below. Data is taken from the owned land enterprise tables.

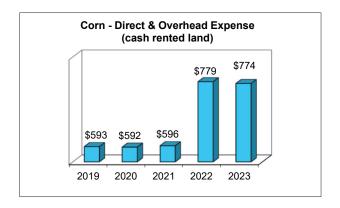
| Crop | 2019 | 2020 | 2021 | 2022 | 2023 |
|--------------|----------|----------|----------|----------|----------|
| Alfalfa Hay | \$161.73 | \$168.16 | \$182.89 | \$207.03 | \$211.62 |
| Corn | \$160.80 | \$166.17 | \$165.39 | \$197.33 | \$197.08 |
| Corn Silage | \$224.53 | \$224.95 | \$220.53 | \$251.78 | \$253.42 |
| Soybeans | \$84.51 | \$94.38 | \$86.74 | \$111.44 | \$111.84 |
| Spring Wheat | \$87.90 | \$92.53 | \$88.66 | \$105.24 | \$104.55 |

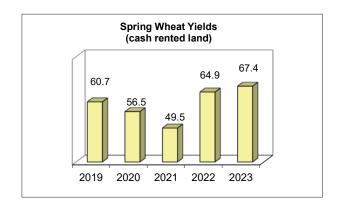
Five Year History of Crop Yields and Cost of Production Northern Minnesota Farm Business Management Data

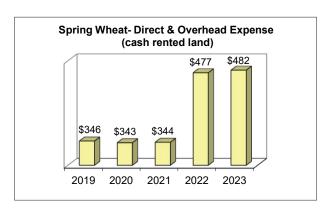


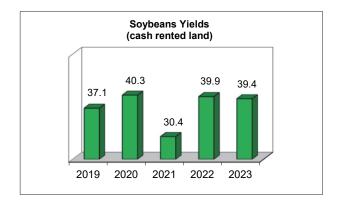


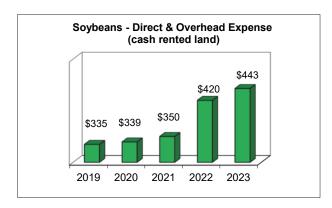












Corn on Owned Land

| | Avg. Of All Farms | 40 - 60% | <u> High 20%</u> |
|---|--|---|--|
| Number of farms | 174 | 35 | 35 |
| 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 | 131.02 160.89 100.00 4.67 7.95 759.41 -0.24 69.48 1.52 830.18 | 147.38 157.27 100.00 4.66 11.61 745.25 -1.06 75.34 1.45 820.98 | 100.54 187.47 100.00 5.25 10.08 994.96 96.38 0.42 1,091.76 |
| Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Storage Packaging and supplies Fuel & oil Repairs Custom hire Hired labor Machinery leases Utilities Hauling and trucking Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre | 103.83 | 103.04 | 110.20 |
| | 179.72 | 190.78 | 177.82 |
| | 41.92 | 40.90 | 49.20 |
| | 27.25 | 27.70 | 30.67 |
| | 14.14 | 11.27 | 14.99 |
| | 1.96 | 0.34 | 1.18 |
| | 0.44 | 0.23 | 0.81 |
| | 38.77 | 46.41 | 33.05 |
| | 71.92 | 68.60 | 75.89 |
| | 16.48 | 22.62 | 20.07 |
| | 2.13 | 2.88 | 4.07 |
| | 3.15 | 0.75 | 0.84 |
| | 0.44 | 0.40 | 1.96 |
| | 3.37 | 4.44 | 1.74 |
| | 1.78 | 1.68 | 4.22 |
| | 12.35 | 8.31 | 9.82 |
| | 1.95 | 1.12 | 2.80 |
| | 521.60 | 531.46 | 539.32 |
| | 308.58 | 289.53 | 552.44 |
| Overhead Expenses Hired labor Machinery leases Building leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre | 13.57 | 9.50 | 7.04 |
| | 5.89 | 2.03 | 3.30 |
| | 0.53 | 0.39 | 0.57 |
| | 19.60 | 22.99 | 22.91 |
| | 14.62 | 15.35 | 14.65 |
| | 7.85 | 9.70 | 5.00 |
| | 4.52 | 5.27 | 4.45 |
| | 66.79 | 64.76 | 76.64 |
| | 59.89 | 51.83 | 69.51 |
| | 6.35 | 9.43 | 7.44 |
| | 199.62 | 191.25 | 211.50 |
| | 721.22 | 722.70 | 750.82 |
| | 108.96 | 98.28 | 340.94 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 108.96 | 98.28 | 340.94 |
| | 58.56 | 68.99 | 72.99 |
| | 50.40 | 29.29 | 267.95 |
| Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management | 3.24 | 3.38 | 2.88 |
| | 4.48 | 4.60 | 4.00 |
| | 3.99 | 4.04 | 3.43 |
| | 4.36 | 4.48 | 3.82 |
| Net value per unit | 4.67 | 4.66 | 5.25 |
| Machinery cost per acre | 197.08 | 194.43 | 202.57 |
| Est. labor hours per acre | 2.96 | 3.51 | 2.83 |

Corn on Cash Rent

| | Avg. Of | 40 000/ | Hint 000/ |
|--|-----------|-----------------|-----------------|
| | All Farms | <u>40 - 60%</u> | <u>High 20%</u> |
| Number of farms | 242 | 49 | 49 |
| 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 | 302.10 | 355.77 | 297.44 |
| | 159.33 | 161.92 | 177.06 |
| | 100.00 | 100.00 | 100.00 |
| | 4.69 | 4.61 | 5.34 |
| | 3.01 | 2.37 | 4.89 |
| | 750.25 | 749.34 | 951.01 |
| | 4.51 | 1.91 | 17.41 |
| | 69.19 | 69.87 | 57.66 |
| | 3.07 | 2.38 | 5.81 |
| | 827.02 | 823.50 | 1,031.90 |
| Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Storage Fuel & oil Repairs Custom hire Hired labor Land rent Machinery leases Utilities Hauling and trucking Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre | 101.88 | 100.18 | 100.66 |
| | 187.45 | 193.47 | 161.89 |
| | 38.01 | 38.16 | 38.84 |
| | 26.79 | 22.22 | 25.31 |
| | 15.21 | 14.56 | 12.75 |
| | 0.60 | 0.34 | 0.28 |
| | 38.92 | 36.05 | 41.02 |
| | 67.59 | 59.96 | 65.00 |
| | 13.11 | 15.90 | 11.66 |
| | 3.10 | 5.85 | 1.22 |
| | 138.72 | 161.44 | 127.70 |
| | 4.78 | 2.83 | 1.64 |
| | 0.24 | 0.27 | 0.67 |
| | 1.18 | 1.51 | 0.47 |
| | 1.18 | 1.08 | 0.97 |
| | 1.18 | 14.22 | 9.92 |
| | 1.18 | 2.51 | 3.69 |
| | 1.18 | 670.57 | 603.68 |
| | 1.18 | 152.93 | 428.21 |
| 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 | 17.70 | 10.77 | 21.54 |
| | 7.82 | 12.86 | 1.07 |
| | 0.73 | 0.62 | 1.55 |
| | 11.25 | 9.65 | 10.63 |
| | 5.29 | 4.56 | 4.88 |
| | 3.82 | 3.05 | 3.35 |
| | 7.53 | 6.69 | 6.41 |
| | 55.91 | 49.20 | 61.60 |
| | 6.12 | 3.97 | 5.06 |
| | 116.17 | 101.37 | 116.09 |
| | 774.29 | 771.94 | 719.78 |
| | 52.74 | 51.56 | 312.12 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 52.74 | 51.56 | 312.12 |
| | 48.78 | 43.17 | 54.07 |
| | 3.96 | 8.39 | 258.05 |
| Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management | 4.13 | 4.14 | 3.41 |
| | 4.86 | 4.77 | 4.07 |
| | 4.36 | 4.29 | 3.58 |
| | 4.66 | 4.56 | 3.89 |
| Net value per unit | 4.72 | 4.63 | 5.44 |
| Machinery cost per acre | 190.25 | 179.98 | 179.35 |
| Est. labor hours per acre | 2.72 | 2.56 | 2.64 |

Soybeans on Owned Land

| | Avg. Of All Farms | 40 - 60% | High 20% |
|---|----------------------|----------|----------|
| Number of farms | 170 | 34 | 34 |
| 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 | 187.68 | 186.67 | 117.86 |
| | 39.66 | 39.40 | 51.75 |
| | 100.00 | 100.00 | 100.00 |
| | 12.33 | 12.24 | 12.80 |
| | 0.12 | 0.51 | 0.14 |
| | 489.00 | 482.86 | 662.76 |
| | 0.15 | 0.40 | - |
| | 14.46 | 10.23 | 15.22 |
| | 2.73 | 4.57 | 0.30 |
| | 506.33 | 498.07 | 678.28 |
| Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Machinery leases Utilities Hauling and trucking Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre | 62.16 | 61.94 | 56.05 |
| | 48.07 | 49.99 | 18.97 |
| | 49.92 | 52.13 | 66.01 |
| | 18.52 | 16.97 | 18.98 |
| | 23.18 | 23.06 | 20.69 |
| | 37.10 | 41.25 | 41.35 |
| | 7.83 | 7.45 | 9.45 |
| | 0.95 | 0.22 | 5.14 |
| | 3.90 | 1.63 | 0.83 |
| | 0.24 | 0.03 | 0.70 |
| | 1.46 | 2.03 | 3.57 |
| | 1.74 | 1.34 | 3.75 |
| | 7.69 | 4.43 | 6.51 |
| | 1.91 | 2.41 | 3.29 |
| | 264.66 | 264.88 | 255.28 |
| | 241.67 | 233.19 | 423.00 |
| 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 | 7.56 | 4.55 | 3.64 |
| | 2.07 | 1.45 | 4.43 |
| | 15.51 | 15.57 | 23.71 |
| | 9.19 | 8.73 | 8.71 |
| | 4.55 | 5.10 | 4.46 |
| | 2.62 | 3.02 | 2.68 |
| | 43.34 | 42.24 | 65.85 |
| | 36.90 | 32.18 | 37.44 |
| | 3.62 | 3.74 | 4.39 |
| | 125.35 | 116.59 | 155.30 |
| | 390.01 | 381.47 | 410.58 |
| | 116.32 | 116.61 | 267.70 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 116.32 | 116.61 | 267.70 |
| | 34.55 | 31.21 | 33.72 |
| | 81.77 | 85.40 | 233.98 |
| Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management | 6.67 | 6.72 | 4.93 |
| | 9.83 | 9.68 | 7.93 |
| | 9.39 | 9.28 | 7.63 |
| | 10.27 | 10.07 | 8.28 |
| Net value per unit | 12.33 | 12.25 | 12.80 |
| Machinery cost per acre | 111.84 | 107.78 | 113.72 |
| Est. labor hours per acre | 1.58 | 1.61 | 1.55 |

Soybeans on Cash Rent

| | Avg. Of All Farms | 40 - 60% | High 20% |
|--|---|---|---|
| Number of farms | 237 | 48 | 48 |
| 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 | 344.77 39.40 100.00 12.44 0.15 490.19 1.88 19.16 4.56 | 389.45 40.99 100.00 12.32 505.06 0.40 10.63 5.39 | 244.93 46.74 100.00 12.55 0.24 586.63 5.93 26.04 6.14 |
| Gross return per acre Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance 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 | 515.79 59.98 48.57 56.02 17.97 22.99 39.89 6.92 1.14 107.24 3.08 1.46 1.65 8.02 3.02 377.95 137.84 | 521.47 64.16 53.32 57.81 21.66 22.03 43.99 5.50 1.12 88.20 10.24 0.35 2.34 8.25 3.67 382.63 138.84 | 58.83 42.19 51.37 15.74 23.46 35.38 6.43 1.56 97.56 0.82 1.50 1.34 6.07 2.22 344.45 280.28 |
| Overhead Expenses Hired labor Machinery leases Building leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre | 10.82 | 9.09 | 9.04 |
| | 3.33 | 0.90 | 5.66 |
| | 0.52 | 0.56 | 0.40 |
| | 7.65 | 7.67 | 6.47 |
| | 3.60 | 4.15 | 3.73 |
| | 2.25 | 2.38 | 2.26 |
| | 4.08 | 3.47 | 3.78 |
| | 29.96 | 28.38 | 29.75 |
| | 2.72 | 2.46 | 3.38 |
| | 64.93 | 59.06 | 64.47 |
| | 442.87 | 441.69 | 408.92 |
| | 72.92 | 79.78 | 215.81 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 72.92 | 79.78 | 215.81 |
| | 30.38 | 32.11 | 30.71 |
| | 42.54 | 47.67 | 185.11 |
| Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management | 9.59 | 9.33 | 7.37 |
| | 11.24 | 10.77 | 8.75 |
| | 10.59 | 10.37 | 7.93 |
| | 11.36 | 11.16 | 8.59 |
| Net value per unit | 12.48 | 12.33 | 12.67 |
| Machinery cost per acre | 107.79 | 112.06 | 101.02 |
| Est. labor hours per acre | 1.55 | 1.54 | 1.39 |

Wheat, Spring on Owned Land

| | Avg. Of All Farms | 40 - 60% | High 20% |
|--|----------------------|----------|----------|
| Number of farms | 81 | 16 | 17 |
| 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 | 206.78 | 167.93 | 242.79 |
| | 65.68 | 62.71 | 75.21 |
| | 100.00 | 100.00 | 100.00 |
| | 7.06 | 7.21 | 7.35 |
| | 1.62 | 4.14 | 1.14 |
| | 465.45 | 456.34 | 554.27 |
| | 13.53 | 2.37 | 35.47 |
| | 6.80 | 2.34 | 17.31 |
| | 485.79 | 461.05 | 607.05 |
| Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Fuel & oil Repairs Custom hire Hired labor Machinery leases Hauling and trucking Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre | 27.30 | 24.41 | 26.54 |
| | 147.42 | 143.17 | 134.83 |
| | 40.95 | 35.75 | 40.32 |
| | 16.69 | 9.25 | 16.75 |
| | 1.40 | 1.89 | 1.78 |
| | 22.50 | 25.10 | 22.17 |
| | 32.24 | 32.87 | 27.94 |
| | 8.26 | 7.35 | 8.45 |
| | 0.19 | 0.99 | 0.11 |
| | 2.07 | 0.20 | 2.14 |
| | 1.25 | - | 1.35 |
| | 1.38 | 0.69 | 1.22 |
| | 7.35 | 7.41 | 5.67 |
| | 1.60 | 0.66 | 1.31 |
| | 310.59 | 289.74 | 290.57 |
| | 175.19 | 171.31 | 316.48 |
| 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 | 9.74 | 6.30 | 13.38 |
| | 3.62 | 1.90 | 3.29 |
| | 12.57 | 14.47 | 13.26 |
| | 8.93 | 7.48 | 8.27 |
| | 5.15 | 4.98 | 3.72 |
| | 2.59 | 3.33 | 2.49 |
| | 38.64 | 45.21 | 45.38 |
| | 36.15 | 29.26 | 42.81 |
| | 2.93 | 1.83 | 3.13 |
| | 120.32 | 114.75 | 135.72 |
| | 430.91 | 404.49 | 426.29 |
| | 54.87 | 56.56 | 180.76 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 54.87 | 56.56 | 180.76 |
| | 35.64 | 30.42 | 33.93 |
| | 19.23 | 26.15 | 146.82 |
| Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management | 4.73 | 4.62 | 3.86 |
| | 6.56 | 6.45 | 5.67 |
| | 6.23 | 6.31 | 4.95 |
| | 6.77 | 6.79 | 5.40 |
| Net value per unit | 7.06 | 7.21 | 7.35 |
| Machinery cost per acre | 104.55 | 97.56 | 103.85 |
| Est. labor hours per acre | 1.50 | 1.42 | 1.59 |

Wheat, Spring on Cash Rent

| | Avg. Of All Farms | 40 - 60% | Uiah 200/ |
|--|----------------------|----------|-----------|
| N | | | High 20% |
| Number of farms | 101 | 20 | 21 |
| 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 | 373.09 | 497.56 | 404.07 |
| | 67.43 | 68.88 | 76.01 |
| | 100.00 | 100.00 | 100.00 |
| | 7.36 | 7.03 | 7.96 |
| | 1.63 | 0.63 | 0.65 |
| | 497.70 | 484.88 | 605.69 |
| | 5.24 | - | 23.29 |
| | 10.96 | 8.93 | 19.88 |
| | 8.52 | 17.68 | 10.70 |
| | 522.42 | 511.48 | 659.55 |
| Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Fuel & oil Repairs Custom hire Land rent Machinery leases Hauling and trucking Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre | 29.34 | 28.30 | 29.82 |
| | 153.23 | 173.90 | 143.36 |
| | 46.44 | 54.82 | 51.49 |
| | 15.04 | 15.02 | 11.53 |
| | 1.60 | 1.15 | 1.18 |
| | 22.57 | 21.32 | 22.93 |
| | 38.84 | 38.27 | 35.83 |
| | 6.69 | 9.95 | 5.82 |
| | 87.77 | 74.49 | 84.60 |
| | 0.98 | 0.81 | 1.09 |
| | 1.19 | 1.75 | 0.37 |
| | 2.10 | 0.28 | 4.21 |
| | 7.40 | 8.71 | 4.86 |
| | 2.60 | 2.32 | 4.52 |
| | 415.79 | 431.07 | 401.62 |
| | 106.63 | 80.42 | 257.93 |
| 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 | 13.06 | 11.04 | 12.72 |
| | 3.22 | 0.73 | 1.48 |
| | 0.78 | 1.04 | 1.43 |
| | 7.61 | 10.75 | 5.93 |
| | 3.83 | 3.52 | 3.13 |
| | 2.17 | 1.65 | 2.34 |
| | 3.76 | 3.70 | 3.85 |
| | 28.49 | 33.32 | 27.96 |
| | 3.11 | 1.59 | 3.52 |
| | 66.05 | 67.33 | 62.36 |
| | 481.84 | 498.40 | 463.98 |
| | 40.59 | 13.09 | 195.57 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 40.59 | 13.09 | 195.57 |
| | 30.85 | 32.04 | 29.13 |
| | 9.74 | -18.95 | 166.44 |
| Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management | 6.17 | 6.26 | 5.28 |
| | 7.15 | 7.24 | 6.10 |
| | 6.76 | 6.84 | 5.39 |
| | 7.21 | 7.31 | 5.77 |
| Net value per unit | 7.44 | 7.03 | 8.27 |
| Machinery cost per acre | 102.34 | 106.22 | 95.23 |
| Est. labor hours per acre | 1.54 | 1.40 | 1.43 |

Corn Silage on Owned Land

| | Avg. Of | | |
|---|------------------|------------------|------------------|
| | All Farms | <u>40 - 60%</u> | High 20% |
| Number of farms | 100 | 20 | 20 |
| Acres | 72.84 | 67.75 | 83.46 |
| Yield per acre (ton) | 17.00 | 18.24 | 17.76 |
| Operators share of yield % | 100.00 | 100.00 | 100.00 |
| Value per ton Total product return per acre | 42.21 717.53 | 41.76 761.83 | 42.77 759.52 |
| Crop insurance per acre | 215.50 | 88.90 | 414.15 |
| Other crop income per acre | 0.05 | - | - |
| Gross return per acre | 933.07 | 850.73 | 1,173.67 |
| Direct Expenses | | | |
| Seed and plants | 99.18 | 89.97 | 98.12 |
| Fertilizer | 123.54 | 86.31 | 79.27 |
| Crop chemicals | 41.55 23.59 | 46.97 22.85 | 36.85 27.16 |
| Crop insurance Packaging and supplies | 13.78 | 12.84 | 10.89 |
| Fuel & oil | 48.66 | 59.01 | 49.96 |
| Repairs | 80.61 | 81.02 | 93.12 |
| Custom hire | 68.52 | 91.04 | 38.04 |
| Hiredlabor | 0.50 | - | 0.10 |
| Machinery leases | 1.85 | - | - |
| Operating interest | 7.97 | 11.09 | 2.91 |
| Miscellaneous Total direct expenses per acre | 3.47 513.22 | 3.31 504.41 | 4.31 440.73 |
| Return over direct exp per acre | 419.86 | 346.32 | 732.94 |
| Overhead Expenses | | | |
| Hiredlabor | 28.80 | 34.29 | 45.68 |
| Machinery leases | 4.23 | 6.04 | 1.09 |
| Building leases | 1.18 15.68 | 0.78 17.51 | 1.34 15.75 |
| RE & pers. property taxes Farm insurance | 14.91 | 17.51 13.67 | 19.71 |
| Utilities | 7.87 | 8.56 | 8.68 |
| Dues & professional fees | 5.06 | 5.90 | 4.55 |
| Interest | 70.72 | 74.37 | 68.09 |
| Mach & bldg depreciation | 50.57 | 54.34 | 59.57 |
| Miscellaneous | 5.19 | 4.82 | 5.85 |
| Total overhead expenses per acre | 204.22 717.43 | 220.27 724.68 | 230.29 671.02 |
| Total dir & ovhd expenses per acre Net return per acre | 215.64 | 126.05 | 502.66 |
| Government payments | - | - | _ |
| Net return with govt pmts | 215.64 | 126.05 | 502.66 |
| Labor & management charge | 53.86 | 50.87 | 48.04 |
| Net return over lbr & mgt | 161.78 | 75.19 | 454.61 |
| Cost of Production | | | |
| Total direct expense per ton | 30.19 | 27.65 | 24.82 |
| Total dir & ovhd exp per ton | 42.20 20.52 | 39.72 34.85 | 37.78 14.46 |
| Less govt & other income With labor & management | 29.52 32.69 | 34.85 37.64 | 14.46 17.17 |
| - | | | |
| Net value per unit | 42.21 | 41.76 | 42.77 |
| Machinery cost per acre | 253.42 | 289.68 | 246.87 |
| Est. labor hours per acre | 4.33 | 5.05 | 4.73 |

Corn Silage on Cash Rent

| | Avg. Of All Farms | 40 - 60% | High 20% |
|---|--|--|--|
| Number of farms | 112 | 23 | 23 |
| Acres Yield per acre (ton) Operators share of yield % Value per ton Other product return per acre Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre | 132.08 16.22 100.00 43.23 0.04 701.15 194.20 0.24 895.60 | 89.97 16.33 100.00 41.08 - 670.96 158.38 | 70.10 16.69 100.00 44.30 - 739.44 397.23 - 1,136.67 |
| Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Packaging and supplies Fuel & oil Repairs Custom hire Hired labor Land rent Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre | 106.47 148.84 48.71 20.91 16.17 49.67 59.50 93.91 0.56 144.46 1.36 4.89 2.54 697.98 197.61 | 112.91 117.84 40.15 20.68 11.83 41.47 88.95 22.74 | 98.06 63.57 38.54 20.74 9.66 49.08 72.59 44.17 0.47 74.72 3.96 1.55 477.10 659.57 |
| 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 | 24.77 | 21.53 | 39.08 |
| | 3.93 | 0.49 | 0.72 |
| | 1.28 | 1.23 | 0.67 |
| | 7.89 | 8.76 | 14.73 |
| | 5.24 | 6.10 | 5.82 |
| | 3.71 | 4.09 | 3.09 |
| | 10.07 | 4.13 | 13.07 |
| | 44.09 | 57.21 | 51.23 |
| | 2.83 | 2.58 | 5.61 |
| | 103.83 | 106.12 | 134.04 |
| | 801.81 | 682.62 | 611.14 |
| | 93.79 | 146.72 | 525.53 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 93.79 | 146.72 | 525.53 |
| | 33.41 | 42.98 | 43.14 |
| | 60.38 | 103.74 | 482.39 |
| Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management | 43.04 | 35.30 | 28.58 |
| | 49.44 | 41.79 | 36.61 |
| | 37.45 | 32.10 | 12.81 |
| | 39.51 | 34.73 | 15.40 |
| Net value per unit | 43.23 | 41.08 | 44.30 |
| Machinery cost per acre | 256.41 | 210.46 | 220.91 |
| Est. labor hours per acre | 3.02 | 3.87 | 3.78 |

Hay, Alfalfa on Owned Land

| | Avg. Of All Farms | 40 - 60% | High 20% |
|--|--|---|--|
| Number of farms | 82 | 17 | 17 |
| 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 | 58.01 3.69 100.00 161.72 597.16 7.08 0.08 604.32 | 72.63 3.44 100.00 162.70 559.00 3.43 | 55.51 5.53 100.00 165.85 917.04 4.94 - 921.98 |
| Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Packaging and supplies Fuel & oil Repairs Custom hire Hired labor Machinery leases Utilities Hauling and trucking Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre | 1.36 53.05 10.84 3.40 15.16 45.88 75.35 28.77 0.36 2.36 0.53 5.25 1.19 5.96 3.76 253.20 351.12 | 54.31 10.40 6.00 15.11 45.70 88.47 5.14 - 0.13 - 3.31 5.12 233.70 328.74 | 38.25 12.21 0.13 19.00 48.41 70.35 60.43 0.85 - - 2.24 7.75 3.11 262.74 659.24 |
| 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 | 21.16 | 21.43 | 39.34 |
| | 3.07 | 3.21 | 2.40 |
| | 16.88 | 14.14 | 18.17 |
| | 13.81 | 14.49 | 15.26 |
| | 6.03 | 6.04 | 8.52 |
| | 4.25 | 2.58 | 5.36 |
| | 64.00 | 55.74 | 81.04 |
| | 57.20 | 67.98 | 62.07 |
| | 5.21 | 8.63 | 6.46 |
| | 191.60 | 194.24 | 238.61 |
| | 444.80 | 427.93 | 501.35 |
| | 159.51 | 134.50 | 420.63 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 159.51 | 134.50 | 420.63 |
| | 57.58 | 46.79 | 75.81 |
| | 101.93 | 87.71 | 344.82 |
| Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management | 68.57 | 68.02 | 47.52 |
| | 120.46 | 124.55 | 90.67 |
| | 118.52 | 123.55 | 89.78 |
| | 134.12 | 137.17 | 103.49 |
| Net value per unit | 161.72 | 162.70 | 165.85 |
| Machinery cost per acre | 211.62 | 208.21 | 245.96 |
| Est. labor hours per acre | 3.95 | 3.58 | 4.89 |

Hay, Alfalfa on Cash Rent

| | Avg. Of All Farms | 40 - 60% | High 20% |
|---|--|--|---|
| Number of farms | 101 | 20 | 21 |
| 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 | 99.19 3.47 100.00 164.47 570.91 4.52 0.20 575.63 | 98.93 3.17 100.00 154.30 489.59 0.36 0.21 490.16 | 110.01 4.65 100.00 167.57 779.50 9.98 |
| Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Packaging and supplies Fuel & oil Repairs Custom hire Hired labor Land rent Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre | 0.66 73.44 12.95 1.88 10.90 44.27 64.69 22.77 0.58 114.55 1.01 7.41 2.52 357.62 218.01 | 58.36 11.40 2.47 9.59 55.62 72.61 6.51 - 108.43 - 7.96 3.10 336.05 154.11 | 54.25 12.28 2.69 7.89 31.48 64.79 8.81 2.21 96.74 0.88 3.83 1.92 287.76 501.72 |
| 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 | 21.24 | 22.20 | 8.84 |
| | 2.67 | 0.56 | 2.22 |
| | 1.35 | 0.88 | 0.15 |
| | 11.10 | 10.84 | 8.56 |
| | 5.80 | 5.08 | 6.34 |
| | 3.71 | 3.56 | 2.75 |
| | 7.04 | 5.68 | 4.76 |
| | 44.35 | 46.81 | 34.47 |
| | 3.58 | 2.11 | 3.02 |
| | 100.84 | 97.71 | 71.10 |
| | 458.46 | 433.76 | 358.87 |
| | 117.17 | 56.40 | 430.61 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 117.17 | 56.40 | 430.61 |
| | 44.83 | 49.65 | 48.88 |
| | 72.34 | 6.75 | 381.73 |
| Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management | 103.02 | 105.91 | 61.86 |
| | 132.07 | 136.70 | 77.15 |
| | 130.71 | 136.52 | 75.00 |
| | 143.63 | 152.17 | 85.51 |
| Net value per unit | 164.47 | 154.30 | 167.57 |
| Machinery cost per acre | 182.51 | 183.31 | 142.84 |
| Est. labor hours per acre | 3.53 | 3.37 | 3.44 |

| | Rented <u>Hay, Mixed</u> | Rented <u>Hay, Grass</u> |
|---|---|--|
| Number of farms | 31 | 58 |
| Acres Yield per acre Operators share of yield % Value Total product return per acre Other crop income per acre Gross return per acre | 173.38 1.82 100.00 105.34 191.77 9.25 201.02 | 70.78 1.54 100.00 94.09 145.81 1.26 147.07 |
| Direct Expenses | 4.00 | 4.45 |
| Seed Fertilizer Crop chemicals Crop insurance Packaging and supplies Fuel & oil Repairs Custom hire Machinery Leases Land Rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre | 1.29 21.13 1.04 1.80 4.10 23.09 38.59 5.13 2.26 37.45 6.66 0.32 143.12 57.90 | 1.45 12.10 0.15 - 3.56 20.09 35.61 1.58 1.69 73.69 2.72 1.26 153.88 -6.81 |
| Overhead Expenses Hired labor Mach and bldg leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre | 7.83 1.26 4.84 2.99 3.32 4.22 18.09 4.52 47.06 190.18 10.84 | 16.67 3.20 6.35 2.52 2.09 5.25 26.63 2.18 64.90 218.78 -71.71 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | - 10.84 29.69 -18.85 | - -71.71 25.62 -97.33 |
| Cost of Production | | |
| Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management | 78.61 104.47 99.38 115.69 | 100.12 142.34 140.75 157.42 |
| Net value per unit Machinery cost per acre Est. labor hours per acre | 105.34 89.99 2.01 | 94.09 91.41 2.25 |

Crop Enterprise Analysis

Northern Minnesota Farm Business Management Data (Farms Sorted By Return to Overhead)

| | Establish | teres combined | Sorahum | Doronnial Byo |
|---|------------------|-----------------|--------------------------|-----------------------------|
| | Alfalfa Hay | <u>Oatlage</u> | Sorghum <u>Silage</u> | Perennial Rye Grass Seed |
| Number of farms | 29 | 13 | 9 | 9 |
| Acres | 57.81 | 26.00 | 33.78 | 627.40 |
| Yield per acre | 1.75 | 3.00 | 6.30 | 768.47 |
| Operators share of yield % | 100.00 | 100.00 | 100.00 | 100.00 |
| Value | 164.76 | 41.34 | 41.52 | 0.96 |
| Total product return per acre | 291.17 | 124.20 | 261.43 | 734.05 |
| Other crop income per acre | 0.18 | 11.15 | - | 36.25 |
| Gross return per acre | 291.35 | 135.35 | 261.43 | 783.07 |
| Direct Expenses | | | | |
| Seed | 106.80 | 26.49 | 36.05 | 22.09 |
| Fertilizer | 64.92 | 33.10 | 33.55 | 180.02 |
| Crop chemicals | 11.56 | 2.97 | 1.77 | 47.85 |
| Crop insurance | 1.68 | 1.63 | - | 26.37 |
| Packaging and supplies | 15.32 | 8.07 | 13.12 | - |
| Fuel & oil | 54.35 | 26.88 | 34.62 | 28.15 |
| Repairs | 62.62 | 46.49 | 59.07 | 45.54 |
| Custom hire | 60.51 | 17.94 | 41.10 | 10.57 |
| Land Rent | 118.92 | 43.57 | 50.76 | 49.73 |
| Machinery Leases | 0.55 | 0.18 | - 0.40 | 3.43 |
| Operating interest | 5.09 | 3.50 | 0.18 | 17.01 |
| Miscellaneous | 2.16 | 1.19 | 7.43 | 0.01 |
| Total direct expenses per acre | 504.68 | 212.01 | 277.65 | 433.35 |
| Return over direct exp per acre | -213.33 | -76.66 | -16.22 | 349.72 |
| Overhead Expenses | 00.00 | 4.00 | 47.00 | 0.00 |
| Hired labor | 26.69 | 4.36 | 17.82 | 8.33 |
| Mach and bldg leases | 3.81 | 2.67 | 7.37 | 2.46 |
| RE & pers. property taxes | 2.88 | 3.29 | 4.59 | 2.25 |
| Farm insurance | 10.24 | 7.05 | 13.74 | 20.44 |
| Utilities | 5.57 3.72 | 4.65 2.79 | 7.77 3.46 | 5.12 2.85 |
| Dues & professional fees | 3.72 27.15 | 10.08 | 37.42 | 8.28 |
| Interest | 51.63 | 24.53 | 38.98 | 56.44 |
| Mach & bldg depreciation Miscellaneous | 3.01 | 24.55 | 2.47 | 2.57 |
| | 134.69 | 61.84 | 133.61 | 108.72 |
| Total overhead expenses per acre Total dir & ovhd expenses per acre | 639.37 | 273.84 | 411.26 | 542.07 |
| Net return per acre | -348.02 | -138.49 | -149.83 | 240.99 |
| · | 0.0.02 | | | |
| Government payments | 240.00 | 420.40 | 440.00 | 240.00 |
| Net return with govt pmts | -348.02 38.69 | -138.49 | -149.83 | 240.99 |
| Labor & management charge | | 36.32 | 38.98 | 48.89 |
| Net return over lbr & mgt | -386.71 | -174.81 | -188.80 | 192.10 |
| Cost of Production | | | | |
| Total direct expense per bu. | 287.94 | 70.56 | 44.10 | 0.56 |
| Total dir & ovhd exp per bu. | 364.79 | 91.14 | 65.32 | 0.71 |
| Less govt & other income | 363.33 | 87.43 | 65.32 | 0.64 |
| With labor & management | 385.40 | 99.51 | 71.51 | 0.71 |
| | | | | |
| Net value per unit | 164.76 | 41.34 | 41.52 | 0.96 |
| Net value per unit Machinery cost per acre | 164.76 240.78 | 41.34 116.32 | 41.52 177.61 | 0.96 143.70 |

^{*} Combined data for rented and owned land. Actual land cost is the sum of: Land Rent, Interest, & RE taxes.

| | <u>Corn</u> | Corn Silage | <u>Potatoes</u> | <u>Soybeans</u> | Beans, Dark <u>Red Kidney</u> |
|---------------------------------------|-------------|-------------|-----------------|-----------------|----------------------------------|
| Number of farms | 63 | 21 | 5 | 27 | 9 |
| Acres | 263.92 | 74.22 | 315.00 | 127.84 | 253.33 |
| Yield per acre | 215.20 | 23.84 | 488.35 | 52.80 | 22.47 |
| Operators share of yield % | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| Value | 4.71 | 43.14 | 12.84 | 12.73 | 43.50 |
| Total product return per acre | 1016.62 | 1028.44 | 6268.32 | 672.55 | 977.16 |
| Crop insurance per acre | 31.01 | 61.21 | 0.58 | 36.50 | 96.02 |
| Other crop income per acre | 1.29 | <u>-</u> | - | - | - |
| Gross return per acre | 1048.91 | 1089.65 | 6268.90 | 709.05 | 1073.19 |
| Direct Expenses | | | | | |
| Seed | 102.28 | 103.51 | 411.16 | 53.01 | 108.99 |
| Fertilizer | 231.33 | 119.68 | 598.57 | 49.28 | 175.28 |
| Crop chemicals | 43.70 | 42.67 | 635.40 | 58.70 | 127.82 |
| Crop insurance | 23.45 | 21.50 | 76.39 | 17.85 | 23.72 |
| Marketing | 1.76 | _ | 16.77 | 2.99 | 1.03 |
| Irrigation energy | 39.98 | 32.64 | 58.62 | 40.37 | 29.90 |
| Packaging and supplies/Drying Corn | 17.02 | 9.90 | _ | - | 1.18 |
| Fuel & oil | 41.17 | 54.67 | 190.98 | 22.46 | 38.72 |
| Repairs | 74.93 | 70.87 | 475.58 | 48.37 | 68.24 |
| Custom hire and Trucking | 17.84 | 71.51 | 184.03 | 15.98 | 27.14 |
| Hired labor | 5.76 | - | 230.10 | 0.92 | 17.48 |
| Land Rent | 111.09 | 71.45 | 402.20 | 83.84 | 143.40 |
| Operating interest | 15.06 | 2.65 | 32.29 | 3.82 | 32.47 |
| Miscellaneous | 10.27 | 1.35 | 152.06 | 2.99 | 5.19 |
| Total direct expenses per acre | 735.64 | 602.82 | 3464.14 | 400.69 | 800.54 |
| Return over direct exp per acre | 313.28 | 486.83 | 2804.76 | 308.36 | 272.65 |
| Overhead Expenses | | | | | |
| Hired labor | 21.98 | 36.17 | 224.19 | 7.06 | 13.39 |
| Mach and bldg leases | 4.86 | 1.68 | 19.26 | 6.81 | 11.87 |
| RE & pers. property taxes | 5.97 | 9.81 | - | 4.61 | 2.71 |
| Farm insurance | 17.59 | 15.73 | 86.34 | 10.07 | 12.65 |
| Utilities | 6.44 | 5.08 | 62.23 | 3.94 | 5.53 |
| Dues & professional fees | 5.08 | 3.89 | 28.32 | 2.92 | 4.23 |
| Interest | 33.08 | 43.06 | 23.55 | 22.73 | 10.53 |
| Mach & bldg depreciation | 76.66 | 71.86 | 384.66 | 36.50 | 57.36 |
| Miscellaneous | 5.44 | 2.51 | 20.39 | 3.92 | 7.66 |
| Total overhead expenses per acre | 177.11 | 189.78 | 848.94 | 98.56 | 125.93 |
| Total dir & ovhd expenses per acre | 912.75 | 792.60 | 4313.08 | 499.25 | 926.46 |
| Net return per acre | 136.16 | 297.05 | 1955.83 | 209.80 | 146.72 |
| Government payments | - | - | - | - | - |
| Net return with govt pmts | 136.16 | 297.05 | 1955.83 | 209.80 | 146.72 |
| Labor & management charge | 62.97 | 47.47 | 343.18 | 40.03 | 69.37 |
| Net return over lbr & mgt | 73.20 | 249.58 | 1612.65 | 169.77 | 77.35 |
| Cost of Production | | | | | |
| Total direct expense per bu. | 3.42 | 25.28 | 7.09 | 7.59 | 35.63 |
| Total dir & ovhd exp per bu. | 4.24 | 33.24 | 8.83 | 9.46 | 41.24 |
| Less govt & other income | 4.07 | 30.68 | 8.83 | 8.76 | 36.96 |
| With labor & management | 4.37 | 32.67 | 9.53 | 9.52 | 40.05 |
| Net value per unit | 4.71 | 43.14 | 12.84 | 12.73 | 43.50 |
| Machinery cost per acre | 215.14 | 271.33 | 1085.05 | 127.81 | 192.85 |
| · · · · · · · · · · · · · · · · · · · | 3.10 | 3.96 | 23.03 | 2.08 | 3.08 |
| Est. labor hours per acre | 3.10 | 5.50 | 25.03 | 2.00 | 3.00 |

^{*} Combined data for rented and owned land. Actual land cost is the sum of: Land Rent, Interest, & RE taxes.

| | <u>Barley</u> | <u>Oats</u> | Rye | Wheat, <u>Winter</u> |
|--------------------------------------|----------------|----------------|--------------|-------------------------|
| Number of farms | 10 | 26 | 31 | 4 |
| Acres | 320.40 | 90.93 | 106.09 | 400.66 |
| Yield per acre | 79.56 | 107.33 | 40.90 | 69.28 |
| Operators share of yield % | 100.00 | 100.00 | 100.00 | 100.00 |
| Value | 7.26 | 4.00 | 6.73 | 7.72 |
| Total product return per acre | 577.85 | 466.76 | 287.37 | 535.13 |
| Crop insurance per acre | 6.24 | 3.81 | 11.70 | 11.23 |
| Other crop income per acre | 2.08 | 3.87 | 4.68 | 11.47 |
| Gross return per acre | 586.16 | 474.44 | 303.76 | 557.84 |
| Direct Expenses | 07.40 | 00.07 | 00.44 | 00.00 |
| Seed | 27.13 | 22.67 | 30.41 | 23.33 |
| Fertilizer | 117.41 | 67.55 | 84.16 | 153.09 |
| Crop chemicals | 40.88 22.32 | 22.19 10.30 | 9.94 7.40 | 32.33 20.63 |
| Crop insurance Fuel & oil | 22.32 21.56 | 21.64 | 21.79 | 20.63 17.28 |
| Repairs | 42.89 | 37.55 | 34.51 | 30.55 |
| Custom hire | 7.78 | 13.13 | 9.57 | 4.36 |
| Hired labor | - | - | 3.40 | 86.27 |
| Land Rent | 71.27 | 72.59 | 59.27 | 2.13 |
| Machinery Leases | 4.00 | 0.21 | 7.22 | - |
| Operating interest | 12.55 | 6.64 | 12.33 | 10.74 |
| Miscellaneous | 4.66 | 3.10 | 5.99 | 4.76 |
| Total direct expenses per acre | 372.45 | 277.55 | 285.99 | 385.47 |
| Return over direct exp per acre | 213.71 | 196.89 | 17.77 | 172.37 |
| Overhead Expenses | | | | |
| Hired labor | 24.24 | 10.27 | 7.63 | 8.90 |
| Machinery leases | 2.46 | 2.15 | 3.26 | 1.96 |
| Building leases | 0.93 | 0.68 | 0.53 | 0.96 |
| RE & pers. property taxes | 3.39 | 4.22 | 2.45 | 2.68 |
| Farm insurance | 7.68 | 7.47 | 9.61 | 6.82 |
| Utilities | 2.77 1.73 | 3.49 1.84 | 3.13 2.71 | 1.95 3.59 |
| Dues & professional fees Interest | 12.02 | 12.74 | 8.55 | 13.23 |
| Mach & bldg depreciation | 24.14 | 22.09 | 34.19 | 19.78 |
| Miscellaneous | 2.50 | 1.71 | 5.67 | 0.54 |
| Total overhead expenses per acre | 81.86 | 66.66 | 77.73 | 60.41 |
| Total dir & ovhd expenses per acre | 454.31 | 344.21 | 363.72 | 445.88 |
| Net return per acre | 131.85 | 130.23 | -59.96 | 111.96 |
| Government payments | - | _ | _ | _ |
| Net return with govt pmts | 131.85 | 130.23 | -59.96 | 111.96 |
| Labor & management charge | 26.09 | 33.56 | 31.98 | 22.11 |
| Net return over lbr & mgt | 105.76 | 96.67 | -91.94 | 89.85 |
| Cost of Production | | | | |
| Total direct expense per bu. | 4.68 | 2.59 | 6.99 | 5.56 |
| Total dir & ovhd exp per bu. | 5.71 | 3.21 | 8.89 | 6.44 |
| Less govt & other income | 5.60 | 2.79 | 8.19 | 6.11 |
| With labor & management | 5.93 | 3.10 | 8.97 | 6.43 |
| Net value per unit | 7.26 | 4.00 | 6.73 | 7.72 |
| Machinery cost per acre | 101.98 | 96.33 | 111.77 | 75.62 |
| Est. labor hours per acre | 1.53 | 1.94 | 1.64 | 0.79 |

^{*} Combined data for rented and owned land. Actual land cost is the sum of: Land Rent, Interest, & RE taxes.

| | med and remed | | | |
|---|-----------------|--------------|---------------|-------------|
| | Beans, | Beans, | | Soybeans, |
| | <u>Navy</u> | Black Turtle | <u>Canola</u> | <u>Seed</u> |
| Number of farms | 7 | 4 | 14 | 15 |
| Acres | 252.00 | 173.25 | 538.11 | 456.24 |
| Yield per acre | 24.16 | 20.19 | 27.05 | 40.21 |
| Operators share of yield % | 100.00 | 100.00 | 100.00 | 100.00 |
| Value | 33.71 | 39.93 | 22.47 | 14.26 |
| Total product return per acre | 814.33 | 806.22 | 607.75 | 573.43 |
| Crop insurance per acre | 13.08 | 17.91 | 9.05 | 27.57 |
| Other crop income per acre | 9.53 | - | 5.06 | 10.61 |
| Gross return per acre | 836.94 | 824.14 | 621.86 | 611.61 |
| Direct Expenses | | | | |
| Seed | 80.75 | 82.08 | 57.42 | 59.48 |
| Fertilizer | 111.02 | 116.56 | 165.84 | 46.04 |
| Crop chemicals | 86.42 | 122.01 | 46.68 | 57.97 |
| Crop insurance | 24.42 | 23.01 | 17.97 | 18.51 |
| Fuel & oil | 24.94 | 39.38 | 23.92 | 22.80 |
| Repairs | 36.05 | 51.45 | 37.14 | 39.54 |
| Custom hire | 5.12 | 33.65 | 13.35 | 5.96 |
| Hired labor | 3.37 | - | - | 0.28 |
| Land Rent | 110.83 | 112.83 | 45.45 | 92.74 |
| Machinery Leases | - | 4.65 | 1.89 | 3.06 |
| Operating interest | 11.35 | 16.45 | 10.62 | 10.71 |
| Miscellaneous | 6.00 | 12.23 | 2.40 | 5.05 |
| Total direct expenses per acre | 500.26 | 614.29 | 422.70 | 362.52 |
| Return over direct exp per acre | 336.67 | 209.84 | 199.16 | 249.09 |
| Overhead Expenses | | | | |
| Hired labor | 8.95 | 35.69 | 7.52 | 12.41 |
| Machinery leases | 7.68 | 1.34 | 6.36 | 1.90 |
| Building leases | - | - | - | 0.27 |
| RE & pers. property taxes | 10.16 | 5.10 | 3.61 | 6.22 |
| Farm insurance | 7.67 | 6.20 | 9.74 | 7.77 |
| Utilities | 2.79 | 5.76 | 3.04 | 4.00 |
| Dues & professional fees | 1.48 | 8.87 | 1.59 | 3.63 |
| Interest | 35.45 | 7.79 | 20.56 | 25.97 |
| Mach & bldg depreciation | 32.12 | 38.61 | 33.78 | 41.86 |
| Miscellaneous | 2.22 | 14.71 | 3.14 | 5.73 |
| Total overhead expenses per acre | 108.53 | 124.09 | 89.35 | 109.76 |
| Total dir & ovhd expenses per acre | 608.79 | 738.38 | 512.04 | 472.28 |
| Net return per acre | 228.15 | 85.75 | 109.81 | 139.33 |
| Government payments | - | - | - | - |
| Net return with govt pmts | 228.15 | 85.75 | 109.81 | 139.33 |
| Labor & management charge | 22.19 | 46.01 | 33.13 | 36.09 |
| Net return over lbr & mgt | 205.95 | 39.74 | 76.68 | 103.24 |
| Cost of Production | | | | |
| Total direct expense per bu. | 20.71 | 30.43 | 15.63 | 9.02 |
| Total dir & ovhd exp per bu. | 25.20 | 36.57 | 18.93 | 11.75 |
| Less govt & other income | 24.27 | 35.69 | 18.41 | 10.80 |
| With labor & management | 25.18 | 37.97 | 19.63 | 11.69 |
| - | 33.71 | 39.93 | 22.47 | 14.26 |
| Net value per unit Machinery cost per acre | 33.71 107.94 | 163.32 | 120.68 | 14.20 |
| | 1.38 | 2.32 | 1.25 | 1.49 |
| Est. labor hours per acre | 1.30 | 2.32 | 1.20 | 1.49 |

^{*} Combined data for rented and owned land. Actual land cost is the sum of: Land Rent, Interest, & RE taxes.

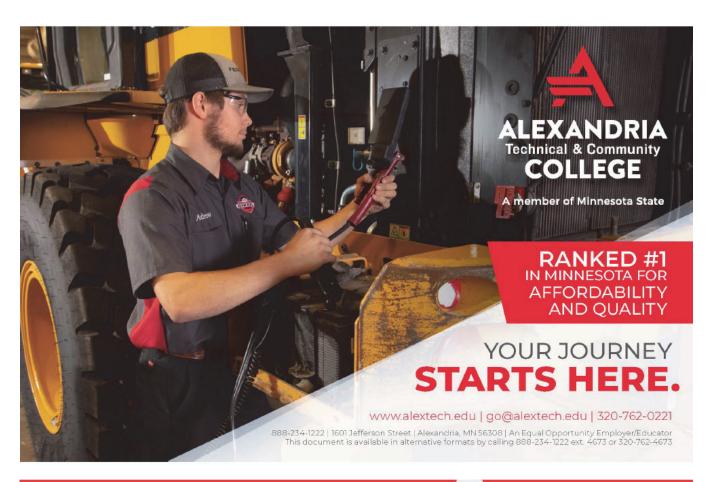
| | Organic <u>Corn</u> | Organic Corn Silage | Organic <u>Hay, Alfalfa</u> | Organic <u>Pasture</u> |
|---|------------------------|------------------------|--------------------------------|---------------------------|
| Number of farms | 10 | 8 | 7 | 7 |
| Acres | 86.70 | 48.34 | 72.34 | 86.14 |
| Yield per acre | 61.54 | 13.16 | 3.28 | 2.72 |
| Operators share of yield % | 100.00 | 100.00 | 100.00 | 100.00 |
| Value | 8.69 | 81.66 | 164.20 | 29.91 |
| Total product return per acre | 535.05 | 1,074.97 | 538.93 | 81.25 |
| Crop insurance per acre | 354.41 | 120.72 | 9.36 | 1.98 |
| Other crop income per acre | 990.47 | 1 10E 60 | - E40.00 | - 02.22 |
| Gross return per acre | 889.47 | 1,195.68 | 548.29 | 83.23 |
| Direct Expenses | | | | |
| Seed and Plants | 99.53 | 94.54 | 2.21 | 11.05 |
| Fertilizer | 102.88 | 154.94 | 31.32 | - |
| Organic Crop Protection | 0.13 | 2.20 | 7.71 | 2.00 |
| Crop insurance | 37.85 4.54 | 15.07 | 1.45 | 2.90 |
| Drying expense Packaging and Supplies | 0.99 | 7.78 | 8.90 | - |
| Fuel & oil | 40.29 | 46.10 | 48.58 | 6.74 |
| Repairs | 82.07 | 76.56 | 79.17 | 8.94 |
| Custom hire and Trucking | 7.95 | 31.01 | 12.27 | - |
| Land Rent | 73.60 | 81.46 | 29.44 | 28.05 |
| Organic Certification | 3.87 | 3.68 | 3.75 | 3.67 |
| Operating interest | 22.74 | 8.16 | 5.57 | 4.22 |
| Miscellaneous | 6.82 | 0.62 | 3.16 | 1.02 |
| Total direct expenses per acre | 480.15 | 522.10 | 233.54 | 66.59 |
| Return over direct exp per acre | 409.32 | 673.58 | 314.76 | 16.64 |
| Overhead Expenses | 0.00 | 00.70 | 04.47 | 0.05 |
| Hired labor | 2.08 | 30.79 | 34.17 | 2.85 |
| Mach and bldg leases | 3.42 2.45 | 1.23 5.63 | 3.57 10.02 | 1.06 7.37 |
| RE & pers. property taxes Farm insurance | 11.90 | 13.43 | 12.86 | 1.35 |
| Utilities | 9.10 | 4.82 | 2.39 | 0.92 |
| Dues & professional fees | 3.39 | 8.52 | 3.97 | 0.36 |
| Interest | 9.54 | 28.62 | 32.37 | 9.89 |
| Mach & bldg depreciation | 38.56 | 74.24 | 63.27 | 11.22 |
| Miscellaneous | 2.48 | 4.34 | 3.96 | 0.77 |
| Total overhead expenses per acre | 82.93 | 171.62 | 166.56 | 35.80 |
| Total dir & ovhd expenses per acre | 563.08 | 693.72 | 400.10 | 102.39 |
| Net return per acre | 326.39 | 501.96 | 148.19 | -19.16 |
| Government payments | - | - - | - | 40.46 |
| Net return with govt pmts | 326.39 88.51 | 501.96 164.22 | 148.19 63.18 | -19.16 7.35 |
| Labor & management charge Net return over lbr & mgt | 237.87 | 337.74 | 85.01 | -26.51 |
| | 201.01 | 337.74 | 00.01 | -20.51 |
| Cost of Production | 7.00 | 20.66 | 71 15 | 24.54 |
| Total direct expense / Unit of Production Total dir & ovhd exp / Unit of Production | 7.80 9.15 | 39.66 52.70 | 71.15 121.90 | 24.51 37.69 |
| Less govt & other income | 3.39 | 43.53 | 119.05 | 36.96 |
| With labor & management | 4.83 | 56.00 | 138.30 | 39.67 |
| | | | | |
| Net value per unit Machinery cost per acre | 8.69 173.54 | 81.66 233.08 | 164.20 214.06 | 29.91 28.25 |
| Est. labor hours per acre | 3.36 | 233.06 5.70 | 5.33 | 26.25 0.77 |
| Lat. Iduoi fioura per dore | 5.50 | 3.70 | 5.55 | 0.77 |

^{*} Combined data for rented and owned land. Actual land cost is the sum of: Land Rent, Interest, & RE taxes.

| | No <u>Cover Crop</u> | Grown after Cover Crop | Cover Crop Enterprise | Combined with Cover Crop |
|---|---|---|---|--|
| Number of farms | 289 | 8 | 8 | 8 |
| 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 | 331.85 159.70 100.00 4.69 4.18 752.43 3.38 69.26 2.70 827.77 | 182.29 145.67 100.00 4.63 1.23 675.85 4.33 79.44 0.31 759.92 | 182.29 - - - - - - 8.89 8.89 | 182.29 - 1.23 675.85 4.33 79.44 9.19 768.81 |
| Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Storage Packaging and supplies 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 | 102.35 185.61 38.94 26.90 14.96 0.92 0.40 38.89 68.62 13.91 2.87 105.74 4.39 1.70 1.32 15.01 3.14 625.67 202.11 | 89.81 170.56 37.47 27.84 11.18 0.24 0.51 27.64 72.18 5.40 90.83 0.61 1.07 2.07 7.55 7.05 552.01 207.92 | 16.99 8.48 26.93 0.55 2.00 - 54.95 -46.06 | 106.81 170.56 37.47 27.84 11.18 0.24 0.51 36.12 99.11 5.95 90.83 0.61 1.07 2.07 9.54 7.05 606.96 161.85 |
| Overhead Expenses Hired labor Machinery leases Building leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre | 16.72 7.36 0.68 4.66 12.05 5.90 3.98 21.61 56.86 6.18 136.00 761.67 66.10 | 20.06 0.71 5.15 1.19 10.58 6.91 3.00 15.89 42.03 5.34 110.86 662.87 97.06 | 4.68 0.14 1.38 2.72 1.81 0.78 1.34 10.09 1.41 24.36 79.31 -70.42 | 24.74 0.85 6.53 1.19 13.30 8.72 3.78 17.23 52.12 6.75 135.22 742.18 26.63 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 66.10 51.10 15.00 | 97.06 58.65 38.40 | -70.42 14.98 -85.40 | 26.63 73.64 -47.00 |
| Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management | 3.92 4.77 4.27 4.59 | 3.79 4.55 3.96 4.37 | - - - - | 4.17 5.10 4.45 4.95 |
| Net value per unit Machinery cost per acre Est. labor hours per acre | 4.71 191.87 2.77 | 4.66 148.52 3.36 | 46.24 0.84 | 4.66 194.76 4.20 |

Soybeans Owned and Rented Acres Combined*

| | No Cover Crop | Grown after Cover Crop | Cover Crop Enterprise | Combined with Cover Crop |
|---|------------------|---------------------------|--------------------------|-----------------------------|
| Number of farms | 277 | 10 | 10 | 10 |
| Acres | 410.16 | 127.60 | 127.60 | 127.60 |
| Yield per acre (bu.) | 39.47 | 42.20 | - | - |
| Operators share of yield % | 100.00 | 100.00 | - | - |
| Value per bu. Other product return per acre | 12.41 0.14 | 12.74 | - | - |
| Total product return per acre | 489.85 | 537.49 | 2.01 | 539.50 |
| Hedging gains/losses per acre | 1.39 | 337.43 | 2.01 | 333.30 |
| Crop insurance per acre | 17.84 | 31.30 | - | 31.30 |
| Other crop income per acre | 4.04 | 9.20 | 4.49 | 13.69 |
| Gross return per acre | 513.13 | 577.98 | 6.50 | 584.48 |
| Direct Expenses | | | | |
| Seed and plants | 60.59 | 60.28 | 15.90 | 76.18 |
| Fertilizer | 48.43 | 44.90 | - | 44.90 |
| Crop chemicals | 54.31 | 59.90 | 0.20 | 60.11 |
| Crop insurance | 18.12 | 28.06 | - 0.40 | 28.06 |
| Fuel & oil | 23.04 39.11 | 17.35 51.32 | 6.19 24.53 | 23.54 75.84 |
| Repairs Custom hire | 7.17 | 8.41 | 24.53 2.98 | 11.39 |
| Hired labor | 1.09 | 0.41 | 2.90 | 11.59 |
| Land rent | 77.13 | 89.69 | - | 89.69 |
| Machinery leases | 3.31 | 0.59 | - | 0.59 |
| Hauling and trucking | 1.46 | 0.42 | - | 0.42 |
| Marketing | 1.67 | 1.54 | - | 1.54 |
| Operating interest | 7.93 | 4.26 | 1.32 | 5.58 |
| Miscellaneous | 2.77 | 6.76 | 0.00 | 6.77 |
| Total direct expenses per acre | 346.13 | 373.48 | 51.12 | 424.61 |
| Return over direct exp per acre | 167.00 | 204.49 | -44.62 | 159.87 |
| Overhead Expenses | 0.04 | 0.57 | 2.04 | 44.44 |
| Hired labor | 9.91 | 8.57 | 2.84 | 11.41 |
| Machinery leases | 2.97 0.45 | 0.77 1.90 | 0.41 0.90 | 1.18 2.80 |
| Building leases RE & pers. property taxes | 4.36 | 2.56 | 0.90 | 2.56 |
| Farm insurance | 8.08 | 8.08 | 3.62 | 11.70 |
| Utilities | 3.87 | 4.22 | 1.79 | 6.01 |
| Dues & professional fees | 2.35 | 2.58 | 1.19 | 3.77 |
| Interest | 15.11 | 26.59 | 2.74 | 29.33 |
| Mach & bldg depreciation | 31.91 | 30.54 | 13.30 | 43.83 |
| _ Miscellaneous | 2.89 | 4.50 | 2.17 | 6.67 |
| Total overhead expenses per acre | 81.89 | 90.30 | 28.96 | 119.26 |
| Total dir & ovhd expenses per acre | 428.03 | 463.78 | 80.09 | 543.87 |
| Net return per acre | 85.11 | 114.20 | -73.59 | 40.61 |
| Government payments | - | - | - | 40.04 |
| Net return with govt pmts | 85.11 24.55 | 114.20 | -73.59 | 40.61 |
| Labor & management charge Net return over lbr & mgt | 31.55 53.55 | 28.47 85.73 | 12.05 -85.64 | 40.52 0.09 |
| Cost of Production | | | | |
| Total direct expense per bu. | 8.77 | 8.85 | _ | 10.05 |
| Total dir & ovhd exp per bu. | 10.84 | 10.99 | - | 12.87 |
| Less govt & other income | 10.25 | 10.03 | - | 11.81 |
| With labor & management | 11.05 | 10.71 | - | 12.77 |
| Net value per unit | 12.44 | 12.74 | _ | 12.77 |
| Machinery cost per acre | 108.93 | 113.46 | 49.31 | 162.78 |
| Est. labor hours per acre | 1.56 | 1.76 | 0.74 | 2.50 |
| | | • | 5 . | 2.30 |





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Livestock Enterprise Analysis Farm Business Management Statewide Data Excluding Organic and Organic Transition (Farms Sorted By Return to Overhead) Dairy -- Average Per Cwt. Of Milk

| | Avg. O All Farn | | 40 - 60 | 9% | High : | 20% |
|--|---|---|---|---|---|---|
| Number of farms | 2 | 49 | | 50 | | 50 |
| Milk sold (hd) Dairy Calves sold (hd) Transferred out (hd) Cull sales (hd) Insurance income Government payments Other income Purchased (hd) Transferred in (hd) Inventory change (hd) Dairy repl cost Gross margin | Quantity 99.59 0.00 0.00 0.00 0.00 | Value 19.06 0.43 0.20 1.23 0.45 1.00 0.17 -0.19 -0.46 0.20 -2.67 19.43 | Quantity 99.65 0.00 0.00 0.00 0.00 | Value 18.95 0.43 0.13 1.23 0.35 0.97 0.15 -0.05 -0.67 0.05 -2.45 19.11 | Quantity 99.40 0.00 0.00 0.00 0.00 | Value 20.24 0.45 0.26 1.30 0.32 1.37 0.17 -0.12 -0.21 0.20 -2.25 21.73 |
| Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Other feed stuffs (lb) Breeding fees Veterinary Supplies Fuel & oil Repairs Custom hire Hired labor Hauling and trucking Bedding Miscellaneous Total direct expenses Return over direct expense | 14.14 3.94 0.28 78.62 9.11 17.60 | 3.62 2.15 1.42 1.86 0.75 0.93 0.21 0.40 0.63 0.43 0.83 0.37 1.41 0.46 0.35 0.67 16.49 2.94 | 9.70 6.33 0.26 82.25 11.49 13.85 | 2.73 2.60 1.23 1.91 0.91 0.78 0.20 0.39 0.56 0.43 0.85 0.27 1.93 0.49 0.33 0.65 16.24 2.86 | 13.50 2.56 0.27 68.35 8.41 16.18 | 3.33 2.26 1.42 1.61 0.70 0.94 0.21 0.36 0.56 0.41 0.88 0.26 0.61 0.29 0.41 0.67 14.91 6.82 |
| Overhead Expenses Hired labor Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 0.63 0.41 0.77 0.98 2.80 19.29 0.14 | | 0.36 0.38 0.79 1.04 2.57 18.81 0.30 | | 0.81 0.36 0.85 1.09 3.11 18.02 3.71 |
| Labor & management charge Net return over lbr & mgt | | 0.74 -0.60 | | 0.70 -0.40 | | 1.07 2.64 |
| 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 | | 16.49 19.29 18.97 19.71 | | 16.24 18.81 18.69 19.40 | | 14.91 18.02 16.62 17.69 |
| Est. labor hours per unit | | 0.15 | | 0.15 | | 0.14 |
| Other Information Number of cows Milk produced per cow Energy corrected milk per cow Lbs of fat & protein per cow Culling percentage Turnover rate Cows per milking unit Feed cost per cwt. of milk Feed cost per cow Hired labor per cow Avg. milk price per cwt. Milk price / feed margin | | 288.0 25,918 28,253 1,916 29.2 34.6 23 10.73 2,779.78 529.09 19.14 8.41 | | 276.3 26,340 28,867 1,961 29.7 35.8 22 10.15 2,674.45 601.89 19.01 8.86 | | 197.5 26,756 29,319 1,987 28.5 33.5 22 10.26 2,744.72 379.79 20.36 10.10 |

Livestock Enterprise Analysis Farm Business Management Statewide Data Excluding Organic and Organic Transition (Farms Sorted By Return to Overhead) Dairy -- Average Per Cow

| | Avg. All Fa | | 40 - 6 | 60% | High | 20% |
|--|--|---|--|---|--|--|
| Number of farms | | 249 | | 50 | | 50 |
| Milk sold (hd) Dairy Calves sold (hd) Transferred out (hd) Cull sales (hd) Insurance income Government payments Other income Purchased (hd) Transferred in (hd) Inventory change (hd) Dairy repl cost Gross margin | Quantity 25,813.1 0.4 0.7 0.3 0.0 0.0 | Value 4,940.54 111.72 51.69 319.76 116.51 258.86 44.67 -48.57 -119.90 52.68 -691.44 5,036.98 | Quantity 26,247.6 0.4 0.6 0.3 0.0 0.4 0.0 | Value 4,990.36 114.17 34.90 324.49 93.09 256.65 38.30 -13.82 -176.60 14.35 -644.50 5,033.12 | Quantity 26,595.0 0.4 0.6 0.3 0.0 0.0 | Value 5,415.61 120.50 68.84 348.06 85.92 366.71 45.42 -31.61 -56.93 53.94 -601.56 5,814.92 |
| Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Other feed stuffs (lb) Breeding fees Veterinary Supplies Fuel & oil Repairs Custom hire Hired labor Hauling and trucking Bedding Miscellaneous Total direct expenses Return over direct expense | 3,663.7 1,020.0 73.1 20,376.0 2,361.9 4,560.5 | 938.34 558.47 367.00 480.84 194.05 241.09 53.31 102.66 163.77 112.03 215.83 96.01 364.55 119.89 91.67 174.81 4,274.31 762.67 | 2,554.6 1,668.3 68.5 21,664.1 3,025.3 3,648.6 | 717.85 683.89 323.87 503.01 239.27 206.56 52.00 102.79 146.50 114.16 223.75 70.49 507.61 127.93 87.16 171.88 4,278.72 754.39 | 3,612.5 683.9 73.3 18,287.5 2,250.1 4,327.8 | 891.26 604.73 379.05 430.08 187.02 252.58 56.02 96.60 149.94 109.53 236.08 68.30 163.86 76.26 110.08 178.60 3,989.99 1,824.93 |
| Overhead Expenses Hired labor Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 164.54 106.95 200.72 253.33 725.53 4,999.84 37.14 | | 94.28 99.63 209.28 272.85 676.03 4,954.76 78.36 | | 215.93 97.16 227.44 291.20 831.72 4,821.71 993.20 |
| Labor & management charge Net return over lbr & mgt | | 192.16 -155.02 | | 183.77 -105.41 | | 287.60 705.60 |
| Cost of Production Per Cwt. Of Milk Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management | | 16.49 19.29 18.97 19.71 | | 16.24 18.81 18.69 19.40 | | 14.91 18.02 16.62 17.69 |
| Est. labor hours per unit | | 37.76 | | 39.43 | | 36.33 |
| Other Information Number of cows Milk produced per cow Energy corrected milk per cow Lbs of fat & protein per cow Culling percentage Turnover rate Cows per milking unit Feed cost per cwt. of milk Feed cost per cow Hired labor per cow Avg. milk price per cwt. Milk price / feed margin | | 288.0 25,918 28,253 1,916 29.2 34.6 23 10.73 2,779.78 529.09 19.14 8.41 | | 276.3 26,340 28,867 1,961 29.7 35.8 22 10.15 2,674.45 601.89 19.01 8.86 | | 197.5 26,756 29,319 1,987 28.5 33.5 22 10.26 2,744.72 379.79 20.36 10.10 |

Livestock Enterprise Analysis Farm Business Management Statewide Data Excluding Organic and Organic Transition (Farms Sorted By Enterprise Size) Dairy -- Average Per Cow

| | Up 5 | | | 50 00 | | 00 | | 00 | Ov 50 | rer 00 |
|---|---|---|--|---|--|---|--|--|--|---|
| Number of farms | | 16 | Į. | 55 | ī | 75 | 6 | 65 | | 38 |
| Milk sold (hd) Dairy Calves sold (hd) Transferred out (hd) Cull sales (hd) Insurance income Government payments Other income Purchased (hd) Transferred in (hd) Inventory change (hd) Dairy repl cost Gross margin | Quantity 18,484.6 0.2 0.8 0.3 0.2 0.2 0.3 0.1 | Value 3,349.15 38.55 138.28 335.61 413.01 27.13 -240.54 -98.60 152.66 -520.14 3,595.09 | Quantity 21,417.4 0.2 0.7 0.3 0.1 0.3 0.0 | Value 3,987.86 77.37 89.87 313.25 52.94 410.42 31.44 -55.28 -106.54 73.64 -683.55 4,191.64 | Quantity 23,296.0 0.3 0.7 0.3 0.0 0.0 0.4 0.0 | Value 4,397.24 66.29 80.14 378.67 72.63 419.80 32.48 -17.96 -102.95 6.08 -688.30 4,646.42 | Quantity 25,601.9 0.3 0.7 0.3 0.0 0.4 0.0 | Value 4,923.25 110.65 47.80 332.18 106.03 333.84 36.13 -26.69 -84.77 10.41 -699.08 5,089.74 | Quantity 27,302.0 0.5 0.6 0.3 0.0 0.4 0.1 | Value 5,246.76 130.78 39.63 296.25 144.53 150.12 54.80 -65.41 -146.29 85.49 -692.06 5,244.81 |
| Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Other feed stuffs (lb) Breeding fees Supplies Fuel & oil Repairs Custom hire Hired labor Hauling and trucking Miscellaneous Total direct expenses Return over direct expense | 3,330.0 1,819.2 57.8 16,668.7 1,744.0 5,895.0 | 745.92 279.22 294.51 354.86 150.35 285.81 43.31 178.31 101.34 186.41 30.56 58.32 110.93 268.83 3,088.68 506.42 | 2,996.8 892.5 66.8 16,145.9 3,629.5 5,712.0 | 930.86 212.19 333.20 374.52 293.50 302.92 47.91 164.02 96.61 200.67 45.72 19.60 98.66 323.79 3,444.17 747.47 | 3,102.9 963.3 66.7 19,275.6 3,682.4 4,427.5 | 904.98 395.48 331.37 441.22 301.18 224.71 49.42 165.02 114.97 227.51 65.03 121.66 95.33 345.26 3,783.12 863.30 | 3,135.1 1,226.5 69.6 19,510.5 2,869.9 4,160.1 | 846.35 695.64 320.54 434.44 207.51 228.82 52.47 170.48 119.74 235.67 76.33 292.59 103.22 367.43 4,151.23 938.51 | 4,203.8 922.1 77.9 21,734.3 1,560.1 4,664.2 | 1,003.49 574.64 408.39 532.75 144.71 244.67 55.70 159.38 108.87 203.70 122.95 520.56 138.90 384.10 4,602.81 642.00 |
| Overhead Expenses Hired labor Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 28.20 88.49 255.47 289.24 661.41 3,750.09 -154.99 | | 99.73 113.89 213.43 236.81 663.87 4,108.04 83.61 | | 110.04 116.37 229.82 271.12 727.36 4,510.48 135.93 | | 208.94 107.97 215.90 263.21 796.01 4,947.25 142.49 | | 165.61 103.16 181.38 243.95 694.09 5,296.91 -52.10 |
| Labor & management charge Net return over lbr & mgt | | 477.72 -632.71 | | 383.03 -299.43 | | 275.76 -139.83 | | 221.54 -79.05 | | 124.30 -176.40 |
| 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 Est. labor hours per unit | | 16.71 20.29 18.96 21.54 41.43 | | 16.00 19.08 18.21 19.99 35.40 | | 16.16 19.27 18.28 19.46 33.88 | | 16.15 19.24 18.66 19.52 37.26 | | 16.80 19.33 19.37 19.82 39.37 |
| Other Information Number of cows Milk produced per cow Energy corrected milk per cow Lbs of fat & protein per cow Culling percentage Turnover rate Cows per milking unit Feed cost per cwt. of milk Feed cost per cow Hired labor per cow Avg. milk price per cwt. Milk price / feed margin | | 40.3 18,485 19,706 1,334 30.4 37.2 8 11.42 2,110.67 86.52 18.12 6.70 | | 76.5 21,527 23,624 1,607 28.6 36.4 11 11.37 2,447.19 119.34 18.62 7.25 | | 140.0 23,408 25,365 1,717 32.1 37.9 14 11.10 2,598.92 231.70 18.88 7.77 | | 309.9 25,711 28,010 1,899 29.0 34.5 22 10.63 2,733.30 501.53 19.23 8.60 | | 953.0 27,404 29,915 2,030 28.6 33.4 36 10.61 2,908.65 686.17 19.22 8.60 |

Livestock Enterprise Analysis Farm Business Management Statewide Data Organic Only (Farms Sorted By Return to Overhead)

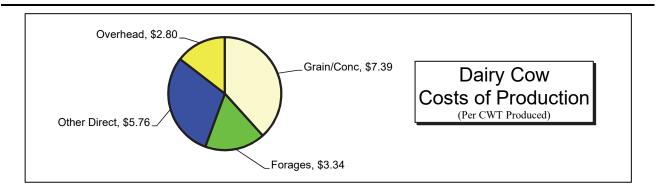
(Farms Sorted By Return to Overhe Dairy -- Average Per Cow

| | Avg. AII Fa | | 40 - 6 | 60% | High : | 20% |
|---|--|---|--|--|---|---|
| Number of farms | | 20 | | 4 | | 4 |
| Milk sold (hd) Dairy Calves sold (hd) Transferred out (hd) Cull sales (hd) Government payments Other income Purchased (hd) | Quantity 14,956.3 0.4 0.6 0.2 | Value 4,756.77 103.90 60.59 298.39 290.95 49.19 -9.60 | Quantity 15,086.9 0.3 0.7 0.2 | Value 4,745.81 92.47 52.35 252.66 209.17 26.92 | Quantity 17,425.0 0.4 0.5 0.3 | Value 5,874.22 129.20 54.30 461.30 261.76 61.67 |
| Transferred in (hd) Inventory change (hd) Dairy repl cost Gross margin | 0.3 0.0 | -120.25 -70.95 -512.34 4,846.65 | 0.2 0.0 | -178.59 -425.01 -395.51 4,380.29 | 0.3 0.0 | -45.44 8.78 -762.42 6,043.37 |
| Pirect Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Flax (bu.) Hay, Alfalfa (lb.) Pasture (aum) Other feed stuffs (lb) Breeding fees Supplies Fuel & oil Repairs Hired labor Miscellaneous Total direct expenses Return over direct expense | 917.4 1,258.0 38.4 12,479.0 0.1 5,059.1 2.0 4,318.1 | 216.24 178.40 361.33 445.63 76.76 437.26 87.38 366.34 30.92 150.36 123.99 253.02 117.94 384.20 3,229.77 1,616.88 | 1,081.4 - 30.5 14,956.3 - 5,724.8 2.7 8,121.7 | 317.55 349.03 643.38 425.97 124.19 378.80 22.49 129.16 136.51 265.95 76.42 262.93 3,132.38 1,247.91 | 502.6 3,642.0 43.4 9,242.4 0.3 4,989.6 0.8 502.0 | 178.73 498.87 410.74 254.90 240.72 520.45 68.54 92.58 39.27 139.27 143.73 299.10 202.20 368.77 3,457.88 2,585.49 |
| Overhead Expenses Hired labor Building leases Farm insurance Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 78.92 45.42 71.60 118.83 202.10 171.03 687.90 3,917.67 928.98 | | 107.08 7.51 55.87 125.81 176.95 128.63 601.85 3,734.23 646.06 | | 31.78 94.83 95.08 22.00 210.37 239.22 693.27 4,151.16 1,892.22 |
| Labor & management charge Net return over lbr & mgt | | 498.92 430.06 | | 325.39 320.66 | | 697.15 1,195.06 |
| 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 | | 21.31 25.85 25.53 28.82 | | 20.61 24.57 27.15 29.29 | | 19.60 23.53 22.88 26.83 |
| Est. labor hours per unit | | 42.75 | | 30.98 | | 55.25 |
| Other Information Number of cows Milk produced per cow Energy corrected milk per cow Lbs of fat & protein per cow Culling percentage Turnover rate Cows per milking unit Feed cost per cwt. of milk Feed cost per cow Hired labor per cow Avg. milk price per cwt. Milk price / feed margin | | 91.1 15,157 17,613 1,217 22.3 26.9 12 14.31 2,169.34 196.86 31.80 17.49 | | 106.3 15,198 16,659 1,131 20.5 21.6 15 14.73 2,238.92 183.50 31.46 16.73 | | 145.3 17,640 22,774 1,637 31.0 34.8 9 12.84 2,265.54 233.98 33.71 20.87 |

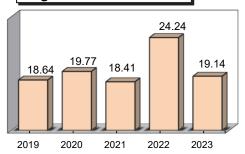
Livestock Enterprise Analysis Farm Business Management Statewide Data Excluding Organic and Organic Transition (Farms Sorted By Return to Overhead) Dairy and Repl Heifers -- Average Per Cow

| | Avg. All Fa | | 40 - (| 60% | High | 20% |
|--|--|---|--|---|--|---|
| Number of farms | | 210 | | 42 | | 42 |
| Milk sold (hd) Dairy Calves sold (hd) Transferred out (hd) Cull sales (hd) Insurance income Government payments Other income Purchased (hd) Transferred in (hd) Inventory change (hd) Gross margin | Quantity 25,927.1 - - - - | Value 4,964.91 137.16 37.38 325.70 119.58 255.79 49.52 -68.75 -26.57 80.44 5,876.40 | Quantity 25,964.2 - - - - | Value 4,973.73 140.77 27.62 336.09 75.69 263.56 36.99 -28.72 -31.64 29.45 5,823.55 | Quantity 26,609.4 - - - - | Value 5,454.34 165.28 47.35 350.19 94.02 362.96 47.76 -33.92 -8.96 87.65 6,574.12 |
| Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Other feed stuffs (lb) Breeding fees Supplies Contract production exp. Fuel & oil Repairs Hired labor Hauling and trucking Bedding Miscellaneous Total direct expenses Return over direct expense | 3,952.6 1,065.8 79.1 24,079.1 2,826.8 6,004.9 | 992.81 654.67 401.04 561.05 230.83 347.45 74.69 179.39 151.21 122.36 242.18 426.08 120.17 110.88 395.24 5,010.05 866.35 | 2,385.6 1,194.5 80.5 23,732.1 3,268.8 4,810.1 | 672.90 889.09 382.20 539.49 274.02 306.96 72.37 166.71 176.43 130.42 254.36 535.13 124.59 119.08 361.20 5,004.94 818.62 | 3,605.4 867.9 77.1 21,734.8 3,026.8 6,212.4 | 955.82 718.92 397.25 507.44 245.50 376.27 72.82 165.63 44.82 121.44 257.07 159.23 82.74 124.11 383.61 4,612.67 1,961.45 |
| Overhead Expenses Hired labor Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 182.85 125.06 221.30 291.71 820.92 5,830.97 45.43 | | 116.74 106.77 238.35 295.91 757.76 5,762.70 60.85 | | 253.68 111.66 265.96 330.06 961.36 5,574.03 1,000.09 |
| Labor & management charge Net return over lbr & mgt | | 213.34 -167.91 | | 208.66 -147.81 | | 317.78 682.31 |
| 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 | | 19.25 22.40 18.95 19.77 | | 19.21 22.12 18.91 19.71 | | 17.23 20.82 16.72 17.94 |
| Est. labor hours per unit | | 43.64 | | 47.21 | | 42.84 |
| Other Information Number of cows Milk produced per cow Energy corrected milk per cow Lbs of fat & protein per cow Culling percentage Turnover rate Cows per milking unit Feed cost per cwt. of milk Feed cost per cow Hired labor per cow Avg. milk price per cwt. Milk price / feed margin | | 294.2 26,028 28,482 1,935 28.9 34.3 23 12.25 3,187.85 608.93 19.15 6.90 | | 271.9 26,049 28,520 1,936 29.1 35.2 21 11.76 3,064.66 651.86 19.16 7.39 | | 215.4 26,772 29,678 2,020 27.3 32.6 23 11.96 3,201.20 412.92 20.50 8.54 |

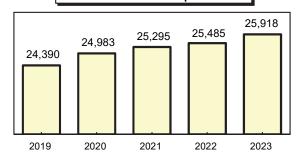
Summary of Selected Dairy Enterprise Factors



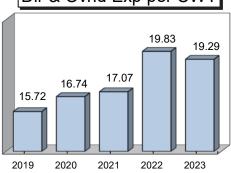
Avg Milk Price Recv'd



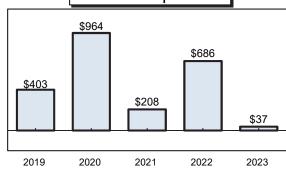
Milk Production per Cow



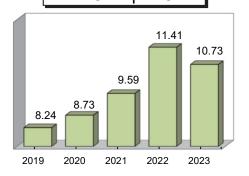
Dir & Ovhd Exp per CWT



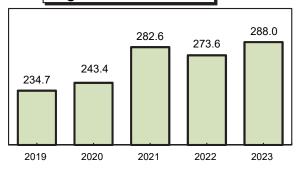
Net Return per Cow



Feed Cost per CWT



Avg Number of Cows



Livestock Enterprise Analysis Farm Business Management Statewide Data Excluding Organic and Organic Transition (Farms Sorted By Return to Overhead) Dairy Replacement Heifers -- Average Per Head

| | Avg. (All Fan | | 40 - 60 | 0% | High 2 | 20% |
|--|--|--|--|--|---|---|
| Number of farms | | 229 | | 46 | - | 46 |
| Replacements sold (hd) Transferred out (hd) Cull sales (hd) Insurance income Government payments Other income Purchased (hd) Transferred in (hd) | Quantity 0.1 0.5 0.0 0.0 | Value 35.36 602.03 10.04 0.11 0.04 0.46 -17.29 | Quantity 0.1 0.4 0.0 0.0 | Value 60.29 569.56 8.34 - 0.58 -7.28 | Quantity 0.0 0.5 0.0 0.0 | Value 35.68 951.40 9.41 - 0.10 -8.56 -95.51 |
| Inventory change (hd) Gross margin | 0.0 | 10.64 507.83 | 0.0 | -21.74 481.88 | 0.0 | 33.83 933.28 |
| Direct Expenses Protein Vit Minerals (lb.) Milk Replacer (lb.) Complete Ration (lb.) Corn (bu.) Corn Slage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Hay (lb.) Other feed stuffs (lb) Breeding fees Veterinary Contract production exp. Repairs Hired labor Bedding Miscellaneous Total direct expenses Return over direct expense | 284.0 21.1 471.0 5.0 4,530.9 743.9 723.3 476.5 1,097.5 | 80.52 34.33 112.88 24.75 105.98 54.25 42.97 28.56 49.41 23.01 20.01 147.08 36.27 49.59 21.01 52.69 883.31 -375.48 | 268.3 13.8 193.4 6.0 4,724.4 667.8 663.5 650.9 1,074.6 | 69.00 19.98 97.84 29.24 108.77 48.95 35.39 40.32 45.49 20.56 19.23 101.49 34.41 38.58 25.41 55.04 789.71 | 307.7 4.7 252.6 5.9 3,851.3 1,143.3 257.1 349.4 1,223.3 | 64.51 13.73 63.31 29.09 92.10 77.86 11.66 21.46 66.90 25.41 24.16 161.36 34.34 28.24 16.03 64.81 794.96 138.32 |
| Overhead Expenses Hired labor Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 27.59 36.55 62.57 126.71 1,010.03 -502.20 | | 24.87 40.53 62.75 128.15 917.85 -435.97 | | 40.72 32.11 55.57 128.40 923.36 9.92 |
| Labor & management charge Net return over lbr & mgt | | 36.55 -538.75 | | 37.40 -473.37 | | 40.19 -30.27 |
| 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 | | 2.78 3.13 3.13 3.23 | | 2.57 2.92 2.92 3.02 | | 2.34 2.70 2.70 2.81 |
| Est. labor hours per unit | | 6.39 | | 6.16 | | 5.96 |
| 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. purch price / head Avg. sales price / head | | 139 119 229 3.5 533.65 77.17 1,030.61 2,273.89 1.46 1,306.19 523.68 | | 96 87 177 3.3 494.98 63.45 1,002.17 2,233.65 1.36 1,409.52 663.90 | | 128 112 211 2.3 440.61 68.96 831.53 1,933.07 1.21 705.13 1,051.36 |

Livestock Enterprise Analysis

Farm Business Management Statewide Data (Farms Sorted By Return to Overhead)

Dairy Finishing (Per Head) and Dairy Feeders (Per Head)

| Daily Fillishing (F | er neau) and Dan | | | |
|---|------------------|-----------------|-----------|----------------|
| | <u>Da</u> | airy Finishing | <u>Da</u> | iry Feeders |
| Number of Farms | | 89 | | 14 |
| | Quantity | Value | Quantity | Value |
| Dairy Finish/Feeder sold (lb) | 1320.1 | 2031.19 | 342.4 | 568.96 |
| Transferred out (lb) | - | 0.04 | 156.3 | 301.38 |
| Other income | | 12.60 | | 11.99 |
| Purchased (lb) | -346.3 | -689.80 | -62.4 | -153.1 |
| Transferred in (lb) | -63.0 | -99.25 | -23.2 | -76.69 |
| Inventory change (lb) | 98.1 | 422.10 | -57.0 | -11.84 |
| Gross margin | | 1,676.87 | | 640.68 |
| Direct Expenses | | | | |
| Protein Vit Minerals (lb.) | 671.8 | 143.13 | 235.9 | 78.26 |
| Milk Replacer (lb.) | 405.0 | - | 30.0 | 44.92 |
| Complete Ration (lb.) | 485.2 | 89.23 | 354.9 | 118.62 |
| Corn (bu.) | 93.7 | 473.29 | 15.7 | 85.96 |
| Corn Silage (lb.) | 1192.1 | 27.79 | 5.6 | 0.11 |
| DDGS, dry (lb.) | 576.9 | 31.43 | - | 0.44 |
| Other feed stuffs (lb) | 2084.1 | 104.84 | 165.8 | 9.44 |
| Veterinary | | 35.22 | | 45.17 |
| Supplies | | 10.54 | | 7.45 |
| Fuel & Oil | | 23.06 | | 17.42 24.13 |
| Repairs | | 45.86 | | |
| Hired Labor | | 8.00 | | 18.52 1.48 |
| Marketing | | 10.48 | | _ |
| Bedding Operating interest | | 9.99 33.34 | | 4.72 12.12 |
| Operating interest Miscellaneous | | 68.95 | | 1.41 |
| | | 1115.15 | | 469.73 |
| Total direct expenses | | 561.72 | | 170.94 |
| Return over direct expense | | 301.72 | | 170.94 |
| Overhead Expenses | | 40.00 | | 40.40 |
| Hired labor | | 18.29 | | 19.18 |
| Interest | | 23.01 48.42 | | 12.27 |
| Mach & bldg depreciation | | _ | | 16.09 |
| Miscellaneous | | 47.23 136.95 | | 22.09 69.63 |
| Total dir % subd expenses | | 1,252.10 | | 539.37 |
| Total dir & ovhd expenses Net return | | 424.77 | | 101.31 |
| | | | | |
| Labor & management charge | | 68.15 | | 29.12 |
| Net return over lbr & mgt | | 356.62 | | 72.19 |
| Cost of Production/Cwt. Carcass Sold | | | | |
| Total direct expense per unit | | 111.31 | | 140.26 |
| Total dir & ovhd expense per unit | | 121.68 | | 154.22 |
| With other revenue adjustments | | 121.69 | | 154.22 |
| With labor and management | | 126.85 | | 160.06 |
| Est. labor hours per unit | | 4.59 | | 3.37 |
| Other Information | | | | |
| No. purchased or trans in | | 252 | | 156 |
| Number sold or trans out | | 212 | | 165 |
| Percentage death loss | | 3.8 | | 3.9 |
| Avg. daily gain (lb.) | | 2.49 | | 1.59 |
| Lb. of conc / lb. of gain | | 8.22 | | 4.05 |
| Lb. of feed / lb. of gain | | 9.14 | | 4.57 |
| Feed cost per cwt. of gain | | 85.49 | | 92.60 |
| Feed cost per head | | 869.71 | | 337.32 |
| Hired labor per head | | 26.28 | | 37.70 |
| Average purchase weight | | 402 | | 108 |
| Avg wgt / Finish/Feeder sold | | 1,430 | | 488 |
| Avg purch price / head | | 800.13 | | 264.98 |
| Avg sales price / cwt. | | 156.86 | | 166.19 |
| <u>.</u> | | | | |

Livestock Enterprise Analysis Farm Business Management Statewide Data Excluding Backgrounding (Farms Sorted By Return to Overhead)

Beef Cow-Calf -- Average Per Cow

| | Avg. AII Fa | | 40 - 60 | 0% | High | 20% |
|---|---|---|---|---|---|--|
| Number of farms | | 72 | | 15 | | 15 |
| Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) Insurance income | Quantity 155.4 254.4 101.0 | Value 346.85 636.38 182.53 7.99 | Quantity 87.5 304.1 207.4 | Value 196.85 749.87 220.75 | Quantity 308.5 194.4 141.3 | Value 708.75 479.70 153.39 14.38 |
| Government payments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin | -26.1 -23.9 34.6 | 11.83 14.56 -65.79 -123.96 131.72 1,142.11 | -65.4 -50.1 13.3 | 14.97 -132.57 -112.58 22.56 959.84 | -0.8 - -41.5 | 7.08 4.88 -9.88 -45.00 115.49 1,428.79 |
| Direct Expenses Protein Vit Minerals (lb.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Hay (lb.) Other feed stuffs (lb) Veterinary Fuel & oil Repairs Operating interest Miscellaneous Total direct expenses Return over direct expense | 290.7 3,870.2 728.5 1,710.3 4.3 3,519.0 1,861.3 | 63.48 90.10 54.74 85.45 90.22 163.11 77.09 46.88 36.23 58.32 25.51 64.60 855.71 286.40 | 536.7 4,471.4 1,189.0 1,975.4 3.3 935.1 1,027.3 | 56.09 110.01 100.03 102.85 81.56 65.69 46.14 46.70 25.34 44.07 29.56 41.50 749.55 210.29 | 221.4 2,895.7 410.0 540.9 5.0 7,069.9 491.9 | 60.03 60.00 30.80 30.55 95.98 295.05 24.32 37.91 37.29 49.70 6.38 44.49 772.48 656.31 |
| Overhead Expenses Hired labor Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 24.17 34.91 56.95 72.51 188.54 1,044.25 97.86 | | 41.35 21.96 46.43 50.31 160.06 909.62 50.23 | | 5.06 26.53 23.27 59.46 114.33 886.81 541.97 |
| Labor & management charge Net return over lbr & mgt | | 132.82 -34.96 | | 127.98 -77.75 | | 108.14 433.83 |
| Cost of Production Per Cwt. Produced Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management | | 171.54 209.33 198.86 225.48 | | 149.82 181.82 192.11 217.69 | | 127.33 146.18 118.64 136.46 |
| Est. labor hours per unit | | 10.47 | | 9.27 | | 7.67 |
| 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. | | 66.7 94.0 1.8 14.4 92.3 86.2 0.78 6.5 3.2 267.4 519 447 624.18 582 223.17 | | 82.7 93.0 0.9 16.2 92.2 84.1 0.75 9.3 4.4 302.0 522 439 562.37 613 224.86 | | 53.3 96.8 0.6 12.8 96.1 90.4 0.86 4.5 4.1 364.9 579 523 596.71 591 229.71 |

Livestock Enterprise Analysis Farm Business Management Statewide Data With Backgrounding Only (Farms Sorted By Return to Overhead) Beef Cow-Calf -- Average Per Cow

| | Avg. All Fa | | 40 - 6 | 60% | High 2 | 20% |
|---|--|---|--|--|--|--|
| Number of farms | | 42 | | 9 | | 9 |
| Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) Insurance income Government payments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin | Quantity 285.8 156.4 76.6 | Value 623.46 359.42 169.05 6.07 16.07 7.17 -91.63 -11.90 246.18 1,323.91 | Quantity 397.5 137.2 66.5 | Value 851.32 296.54 144.32 - 15.75 - -12.74 -39.96 80.81 1,336.04 | Quantity 230.9 218.0 130.3 -114.4 -10.3 38.1 | Value 532.02 516.11 179.45 18.48 20.94 -142.18 -11.94 460.39 1,573.26 |
| Direct Expenses Protein Vit Minerals (lb.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) DDGS, wet (lb.) Hay (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Grazing fees Miscellaneous Total direct expenses Return over direct expense | 195.9 4,042.4 1,213.8 2,564.7 3.9 226.1 2,311.7 2,708.9 | 62.07 82.82 90.40 125.95 78.02 10.62 118.77 51.68 39.84 19.98 42.34 71.70 9.60 65.05 868.84 455.07 | 260.8 2,993.9 1,016.1 2,337.3 3.6 1,018.9 3,650.7 623.4 | 64.06 68.02 80.74 131.82 56.74 50.95 180.90 53.41 36.08 15.98 33.08 72.98 45.45 73.36 963.56 372.48 | 95.5 3,639.6 1,087.5 1,812.9 3.1 1,297.3 5,771.8 | 52.48 70.29 75.73 38.16 96.75 56.37 59.51 32.88 28.25 46.96 41.01 1.59 51.15 651.14 922.12 |
| Overhead Expenses Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return Labor & management charge Net return over lbr & mgt | | 39.41 73.54 58.99 171.94 1,040.78 283.12 122.86 160.26 | | 26.14 94.20 52.45 172.78 1,136.34 199.70 | | 21.98 34.03 45.31 101.32 752.46 820.81 112.51 708.30 |
| 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 Est. labor hours per unit | | 172.08 206.13 180.76 205.09 | | 163.06 192.30 190.81 212.61 | | 132.18 152.75 97.98 120.82 |
| 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. | | 81.9 91.8 1.8 13.3 90.1 82.5 0.72 6.8 3.7 297.3 514 424 620.34 635 218.16 | | 76.3 91.5 1.9 10.6 89.7 80.7 0.79 8.4 2.0 230.7 518 418 686.64 699 214.19 | | 125.7 93.2 1.1 14.9 92.1 83.8 0.75 5.1 2.4 355.2 506 423 449.29 592 230.38 |

Livestock Enterprise Analysis Farm Business Management Statewide Data Including Backgrounding (Farms Sorted By Enterprise Size) Beef Cow-Calf -- Average Per Cow

| _ | Up to 50 |) | 50 100 | | 100 200 | | 200 500 | |
|--|--|---|---|--|---|---|--|---|
| Number of farms | 60 |) | 31 | | 18 | | 7 | |
| Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) Insurance income Government payments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin | Quantity 251.5 171.1 75.3 -27.2 -72.6 | Value 551.90 403.51 183.34 15.63 11.68 16.60 -99.54 -14.84 155.52 1,223.80 | Quantity 274.6 175.6 80.8 -7.7 -29.6 25.7 | Value 571.90 406.46 163.37 | Quantity 240.3 191.3 125.6 -29.1 -11.4 12.6 | Value 508.22 464.22 185.14 4.68 2.68 3.90 -45.18 -26.74 76.84 1,173.76 | Quantity 78.9 309.2 63.7 -59.5 -16.2 14.0 | Value 222.34 799.53 171.18 9.90 26.32 0.47 -70.11 -191.92 243.73 1,211.43 |
| Direct Expenses Beet Pulp (dry) (lb.) Protein Vit Minerals (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Hay (lb.) Other feed stuffs (lb) Veterinary Fuel & oil Repairs Operating interest Miscellaneous Total direct expenses Return over direct expense | 215.4 331.5 10.5 3,513.7 988.5 2,009.3 4.7 3,909.4 1,184.3 | 1.87 94.38 43.74 79.07 73.18 111.93 71.32 217.40 55.79 41.87 47.36 89.10 11.73 88.60 1,027.34 196.46 | 436.1 227.0 1.9 3,513.4 1,063.8 2,822.1 3.0 2,366.0 805.7 | 5.67 69.15 8.26 77.18 68.97 149.66 58.76 113.30 36.01 46.61 31.08 70.22 13.24 78.52 826.63 410.75 | 223.7 353.3 4.7 5,288.9 604.7 1,447.0 4.1 3,132.8 1,308.9 | 2.03 50.58 25.38 116.15 51.81 62.94 89.97 141.39 39.93 42.25 33.00 53.34 11.53 61.43 781.72 392.04 | 4,208.2 98.8 0.5 3,235.7 1,138.9 1,933.9 4.8 2,571.4 700.3 | 56.52 46.34 2.30 71.65 91.39 83.14 116.02 111.63 10.55 44.22 44.81 47.13 45.16 58.75 829.61 381.82 |
| Overhead Expenses Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 60.55 88.11 120.17 268.83 1,296.17 -72.38 | | 41.60 70.36 85.93 197.89 1,024.52 212.86 | | 28.96 53.70 84.03 166.70 948.41 225.35 | | 20.06 46.99 47.10 114.15 943.76 267.67 |
| Labor & management charge Net return over lbr & mgt | | 170.09 -242.47 | | 136.77 76.09 | | 120.73 104.62 | | 96.08 171.60 |
| Cost of Production Per Cwt. Produce Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management Est. labor hours per unit | d | 187.20 236.18 217.00 247.99 | | 156.59 194.08 173.57 199.47 | | 147.52 178.97 174.84 197.62 8.61 | | 212.67 241.93 218.65 243.28 |
| 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. | | 28.6 94.5 1.9 13.6 92.7 87.0 0.75 6.2 3.8 202.4 529 460 748.68 591 219.48 | | 70.1 93.5 1.5 12.7 92.1 85.8 0.77 7.6 2.6 252.1 533 457 586.96 620 208.26 | | 136.6 92.3 1.5 14.9 91.0 82.8 0.75 8.1 325.3 527 436 580.18 642 211.46 | | 301.6 92.9 2.8 14.2 90.3 84.0 0.77 4.3 4.1 378.1 470 395 589.54 537 281.80 |

Livestock Enterprise Analysis Farm Business Management Statewide Data (Farms Sorted By Return to Overhead)

Beef Finishing (Per Head) and Beef Backgrounding (Per Head)

| Number of Farms | Beer Finishing (Fer | r Head) and Beet Ba | | | |
|--|---|---------------------|---------------|----------|---------|
| Dairy Finish/Feeder sold (lib) 1386.3 2343.05 650.9 1 17:nstFirred out (lib) 3.5 5.84 148.5 00ther income 7.797 7.98 7.97 7.98 | N 1 (F | <u>B</u> | eef Finishing | · · | |
| Dairy Finish/Feeder sold (lb) 1386.3 2343.05 650.9 1 Transferred out (lb) 3.5 5.84 148.5 Other income | Number of Farms | | | | |
| Transferred out (lb) Other income Other income Purchased (lb) 1-33.8 Purchased (lb) 1-33.8 Purchased (lb) 1-33.8 Purchased (lb) 1-35.8 Purchased (lb) 1-35.8 Purchased (lb) 1-19.4 Purchased (lb) 1-19.8 Purchased (lb) Purchased | | Quantity | Value | Quantity | Value |
| Other income | · , , | | | | 1369.74 |
| Purchased (lb) | Transferred out (lb) | 3.5 | | 148.5 | 280.48 |
| Transferred in (lb) | Other income | | | | 0.80 |
| Inventory change (lb) | Purchased (lb) | -533.8 | -1193.50 | -302.7 | -829.15 |
| Cross margin | Transferred in (lb) | -45.9 | -105.81 | -183.8 | -462.97 |
| Direct Expenses Protein Vit Minerals (lb.) 510.7 71.66 43.9 Complete Ration (lb.) 821.0 94.32 227.8 Com (bu.) 47.9 295.77 8.4 Corn Silage (lb.) 2440.0 61.26 2390.5 Hay (lb) 756.8 44.31 1901.7 DDGS, dry (lb.) 576.9 27.21 28.6 Other feed stuffs (lb) 658.7 44.01 Veterinary 658.7 44.01 Veterinary 67.7 676.8 Supplies 6.77 67.7 Fuel & Oil 20.48 6.77 Repairs 37.48 4.4 Hired Labor 9.09 4.4 Marketing 9.94 9.94 Bedding 1.44 0.4 Operating interest 34.84 4.8 Miscellaneous 28.6 7.1 Return over direct expenses 18.90 8.4 Hired labor 13.75 1.4 Interest 49.70 | Inventory change (lb) | -19.4 | 146.27 | -6.5 | 239.57 |
| Protein Vit Minerals (lb.) \$10.7 71.66 43.9 Complete Ration (lb.) 821.0 94.32 227.8 Com (bu.) 47.9 295.77 8.4 Com Silage (lb.) 2440.0 61.26 2390.5 Hay (lb) 756.8 44.31 1901.7 DDGS, dry (lb.) 658.7 44.01 28.6 Other feed stuffs (lb) 658.7 44.01 46.86 Supplies 6.77 6.77 48.6 Fuel & Oil 20.48 48.6 Repairs 37.48 44.01 48.6 Hired Labor 9.09 9.94 48.6 Marketing 9.94 9.94 48.6 Medding 1.44 49.2 49.2 Oberlating interest 34.84 48.2 48.2 Miscellaneous 51.27 70.1 70.1 44.11 49.2 49.2 49.2 49.2 49.2 49.2 49.2 49.2 49.2 49.2 49.2 49.2 49.2 </td <td>Gross margin</td> <td></td> <td>1,198.18</td> <td></td> <td>598.48</td> | Gross margin | | 1,198.18 | | 598.48 |
| Protein Vit Minerals (lb.) \$10.7 71.66 43.9 Complete Ration (lb.) 821.0 94.32 227.8 Com (bu.) 47.9 295.77 8.4 Com Silage (lb.) 2440.0 61.26 2390.5 Hay (lb) 756.8 44.31 1901.7 DDGS, dry (lb.) 658.7 44.01 28.6 Other feed stuffs (lb) 658.7 44.01 46.86 Supplies 6.77 6.77 48.6 Fuel & Oil 20.48 48.6 Repairs 37.48 44.01 48.6 Hired Labor 9.09 9.94 48.6 Marketing 9.94 9.94 48.6 Medding 1.44 49.2 49.2 Oberlating interest 34.84 48.2 48.2 Miscellaneous 51.27 70.1 70.1 44.11 49.2 49.2 49.2 49.2 49.2 49.2 49.2 49.2 49.2 49.2 49.2 49.2 49.2 </td <td>Direct Expenses</td> <td></td> <td></td> <td></td> <td></td> | Direct Expenses | | | | |
| Complete Ration (ib.) 821.0 94.32 227.8 Com (bu.) 47.9 295.77 8.4 Com Silage (ib.) 2440.0 61.26 2390.5 Hay (ib) 756.8 44.31 1901.7 DDGS, dry (ib.) 576.9 27.21 28.6 Other feed stuffs (ib) 658.7 44.01 44.01 Veterinary 16.86 6.67 6.77 Fuel & Oil 20.48 6.77 6.77 Fuel & Oil 20.48 7.48 7.49 Repairs 37.48 7.49 | • | 510.7 | 71.66 | 43.9 | 14.79 |
| Com (bu.) 47.9 295.77 8.4 Com Silage (lb.) 2440.0 61.26 2390.5 Hay (lb) 756.8 44.31 1901.7 DDGS, dry (lb.) 576.9 27.21 28.6 Other feed stuffs (lb) 658.7 44.01 28.6 Other feed stuffs (lb) 658.7 44.01 44.01 Veterinary 16.86 59.09 48.6 Supplies 6.77 59.09 48.6 Fuel & Oil 20.48 89.09 48.6 Repairs 37.48 44.1 | | | | | 37.66 |
| Corn Silage (lb.) | · · · · · · · · · · · · · · · · · · · | | | | 46.75 |
| Hay (Ib) 756.8 44.31 1901.7 DDGS, dry (Ib.) 576.9 27.21 28.6 Other feed stuffs (Ib) 658.7 44.01 Veterinary 16.86 Supplies 16.87 Fuel & Oil 20.48 Repairs 37.48 Hired Labor 9.90 Marketing 9.94 Bedding 1.44 Operating interest 34.84 Miscellaneous 51.27 Total direct expenses 826.71 Return over direct expense 371.47 Overhead Expenses Hired labor 13.75 Interest 18.90 Mach & bldg depreciation 44.11 Miscellaneous 117.67 Total overhead expenses 14.70 Verbead Expenses 15.27 Total overhead expenses 16.09 Mach & bldg depreciation 44.11 Miscellaneous 40.91 Total overhead expenses 117.67 Total overhead expenses 117.67 Total overhead expenses 117.67 Total dir & ovhd expenses 944.38 Net return 253.08 Cost of Production/Cwt. Carcass Sold Total direct expense per unit 146.99 Net return over lor & mgt Cost of Production/Cwt. Carcass Sold Total direct expense per unit 155.77 With other revenue adjustments 156.37 With labor and management 160.08 Est. labor hours per unit 2.92 Other Information No. purchased or trans in 290 Number sold or trans out 296 Percentage death loss 0.9 Avg. daily gain (Ib.) 2.71 Lb. of coot / Ib. of gain 19.77 Eved cost per cwt. of gain 16.10 Lb. of ced / Ib. of gain 16.10 Lb. of ced / Ib. of gain 16.10 Feed cost per cwt. of gain 16.10 | | | | | 49.12 |
| DDGS, dry (lb.) 576.9 27.21 28.6 Other feed stuffs (lb) 658.7 44.01 Veterinary 16.86 8 Supplies 6.77 16.86 8 Supplies 6.77 18.20 18.20 18.20 Repairs 37.48 18.20 | | | | | 93.86 |
| Other feed stuffs (lb) 658.7 44.01 Veterinary 16.86 Supplies 6.77 Fuel & Oll 20.48 Repairs 37.48 Hired Labor 9.09 Marketing 9.94 Bedding 1.44 Operating interest 34.84 Miscellaneous 51.27 Total direct expenses 826.71 Return over direct expense 371.47 Overhead Expenses 13.75 Hired labor 13.75 Interest 18.90 Mach & bldg depreciation 44.11 Miscellaneous 40.91 Total overhead expenses 117.67 Total overhead expenses 117.67 Total overhead expenses 944.38 Net return 253.08 Labor & management charge 49.72 Net return over lor & mgt 155.77 Wit add if & ovhd expense per unit 155.77 With other revenue adjustments 156.37 With albor and management 160.08 | | | | | 3.09 |
| Veterinary 16.86 Supplies 6.77 Fuel & Oil 20.48 Repairs 37.48 Hired Labor 9.09 Marketing 9.94 Bedding 1.44 Operating interest 34.84 Miscellaneous 51.27 Total direct expenses 826.71 Return over direct expense 826.71 Return over direct expense 826.71 Voerhead Expenses 13.75 Hired labor 13.75 Interest 18.90 Mach & bldg depreciation 44.11 Miscellaneous 40.91 Total dir & ovind expenses 117.67 Total dir & ovind expenses 117.67 Total dir & ovind expenses 944.38 Net return 253.08 Labor & management charge 49.72 Net return over lbr & mgt 204.08 Cost of Production/Cwt. Carcass Sold 1 Total direct expense per unit 146.99 Total direct expense per unit 156.37 | | | | 20.0 | 11.36 |
| Supplies 6.77 Fuel & Oil 20.48 Repairs 37.48 Hired Labor 9.09 Marketing 9.94 Bedding 1.44 Operating interest 34.84 Miscellaneous 51.27 Total direct expenses 826.71 Return over direct expense 371.47 Overhead Expenses 13.75 Hired labor 13.75 Interest 18.90 Mach & bldg depreciation 44.11 Miscellaneous 40.91 Total overhead expenses 117.67 Total overhead expenses 944.38 Net return 253.08 Labor & management charge 49.72 Net return over lbr & mgt 204.08 Cost of Production/Cwt. Carcass Sold 1 Total direct expense per unit 146.99 Total direct expense per unit 155.77 With other revenue adjustments 156.37 With labor and management 160.08 Est. labor hours per unit 2.92 | | 030.7 | | | 12.16 |
| Fuel & Oil 20.48 Repairs 37.48 Hired Labor 9.09 Marketing 9.94 Bedding 1,44 Operating interest 34.84 Miscellaneous 51.27 Total direct expenses 826.71 Return over direct expense 826.71 Return over direct expense 871.47 Overhead Expenses Hired labor 13.75 Interest 18.90 Mach & bldg depreciation 44.11 Miscellaneous 40.91 Total overhead expenses 117.67 Total dir & ovhd expenses 944.38 Net return 253.08 Labor & management charge 49.72 Net return over lbr & mgt 204.08 Cost of Production/Cwt. Carcass Sold Total direct expense per unit 146.99 Total dir & ovhd expense per unit 155.37 With other revenue adjustments 156.37 With other revenue adjustments 156.37 With other revenue adjustments 15 | | | | | 2.02 |
| Repairs 37.48 Hired Labor 9.09 Marketing 9.94 Bedding 1.44 Operating interest 34.84 Miscellaneous 51.27 Total direct expenses 826.71 Return over direct expense 371.47 Overhead Expenses 13.75 Hired labor 13.75 Interest 18.90 Mach & bldg depreciation 44.11 Miscellaneous 40.91 Total overhead expenses 117.67 Total dir & ovhd expenses 944.38 Net return 253.08 Labor & management charge 49.72 Net return over lbr & mgt 204.08 Cost of Production/Cwt. Carcass Sold 7 Total direct expense per unit 155.37 With other revenue adjustments 156.37 With other revenue adjustments 156.37 With labor and management 160.08 Est. labor hours per unit 2.92 Other Information 296 No. purchased or trans out | | | | | 15.90 |
| Hired Labor 9.09 Marketing 9.94 Bedding 1.44 Operating interest 34.84 Miscellaneous 51.27 Total direct expenses 826.71 Return over direct expense 371.47 Overhead Expenses 13.75 Hired labor 13.75 Interest 18.90 Mach & bldg depreciation 44.11 Miscellaneous 40.91 Total overhead expenses 117.67 Total dir & ovhd expenses 944.38 Net return 253.08 Labor & management charge 49.72 Net return over lbr & mgt 204.08 Cost of Production/Cwt. Carcass Sold 70tal direct expense per unit Total direct expense per unit 155.77 With labor and management 160.08 Est. labor hours per unit 2.92 Other Information 2.92 No. purchased or trans in 2.96 Number sold or trans out 2.96 Percentage death loss 0.9 Avg. daily g | | | | | |
| Marketing 9.94 Bedding 1.44 Operating interest 34.84 Miscellaneous 51.27 Total direct expenses 826.71 Return over direct expense 371.47 Overhead Expenses Hired labor 13.75 Interest 18.90 Mach & bldg depreciation 44.11 Miscellaneous 40.91 Total overhead expenses 117.67 Total dir & ovhd expenses 944.38 Net return 253.08 Labor & management charge 49.72 Net return over lbr & mgt 204.08 Cost of Production/Cwt. Carcass Sold Total dir & ovhd expense per unit 156.37 With labor and management 155.77 With labor nour per unit 2.92 Other Information 2.92 Other Information 2.90 No. purchased or trans in 2.90 Number sold or trans out 2.96 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of feed / lb. of gain 7.77 | · | | | | 19.03 |
| Bedding 1.44 Operating interest 34.84 Miscellaneous 51.27 Total direct expenses 826.71 Return over direct expense 371.47 Overhead Expenses Hired labor 13.75 Interest 18.90 Mach & bldg depreciation 44.11 Miscellaneous 40.91 Total overhead expenses 117.67 Total dir & ovhd expenses 944.38 Net return 253.08 Labor & management charge 49.72 Net return over lbr & mgt 204.08 Cost of Production/Cwt. Carcass Sold 7 Total direct expense per unit 146.99 Total direct expense per unit 155.77 With other revenue adjustments 156.37 With labor and management 160.08 Est. labor hours per unit 2.92 Other Information 2.92 Number sold or trans out 2.96 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of conc | | | | | 0.47 |
| Operating interest Miscellaneous 34.84 Miscellaneous Total direct expenses 826.71 Return over direct expense 371.47 Overhead Expenses | • | | | | 8.08 |
| Miscellaneous 51.27 Total direct expenses 826.71 Return over direct expense 371.47 Overhead Expenses Hired labor 13.75 Interest 18.90 Mach & bldg depreciation 44.11 Miscellaneous 40.91 Total overhead expenses 117.67 Total dir & ovhd expenses 944.38 Net return 253.08 Labor & management charge 49.72 Net return over lbr & mgt 204.08 Cost of Production/Cwt. Carcass Sold Total direct expense per unit 146.99 Total direct expense per unit 155.77 With other revenue adjustments 156.37 With labor and management 160.08 Est. labor hours per unit 2.92 Other Information 290 No. purchased or trans in 290 Number sold or trans out 296 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of feed / lb. of gain 7.77 <t< td=""><td></td><td></td><td></td><td></td><td>2.36</td></t<> | | | | | 2.36 |
| Total direct expenses 826.71 Return over direct expense 371.47 Overhead Expenses 13.75 Hired labor 18.90 Mach & bldg depreciation 44.11 Miscellaneous 40.91 Total overhead expenses 117.67 Total dir & ovhd expenses 944.38 Net return 253.08 Labor & management charge 49.72 Net return over lbr & mgt 204.08 Cost of Production/Cwt. Carcass Sold 50.00 Total direct expense per unit 146.99 Total direct expense per unit 155.77 With other revenue adjustments 156.37 With labor and management 160.08 Est. labor hours per unit 2.92 Other Information 2.92 No. purchased or trans in 290 Number sold or trans out 296 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of feed / lb. of gain 7.77 Lb. of feed / lb. of gain 9.70 Feed cost per cwt. of gain | | | | | 22.92 |
| Return over direct expenses 371.47 Overhead Expenses 13.75 Hired labor Interest I | | | | | 17.11 |
| Overhead Expenses Hired labor 13.75 Interest 18.90 Mach & bldg depreciation 44.11 Miscellaneous 40.91 Total overhead expenses 117.67 Total dir & ovhd expenses 944.38 Net return 253.08 Labor & management charge 49.72 Net return over lbr & mgt 204.08 Cost of Production/Cwt. Carcass Sold Total direct expense per unit Total direct expense per unit 155.77 With other revenue adjustments 156.37 With labor and management 160.08 Est. labor hours per unit 2.92 Other Information No. purchased or trans in 290 Number sold or trans out 296 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of conc / lb. of gain 7.77 Lb. of feed / lb. of gain 9.70 Feed cost per cwt. of gain 86.67 | | | | | 356.68 |
| Hired labor 13.75 Interest 18.90 Mach & bldg depreciation 44.11 Miscellaneous 40.91 Total overhead expenses 117.67 Total dir & ovhd expenses 944.38 Net return 253.08 Labor & management charge 49.72 Net return over lbr & mgt 204.08 Cost of Production/Cwt. Carcass Sold Total direct expense per unit 146.99 Total direct expense per unit 155.77 With other revenue adjustments 156.37 With labor and management 160.08 Est. labor hours per unit 2.92 Other Information 290 Number sold or trans out 296 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of conc / lb. of gain 9.70 Feed cost per cwt. of gain 86.67 | Return over direct expense | | 3/1.4/ | | 241.80 |
| Interest | Overhead Expenses | | | | |
| Mach & bldg depreciation 44.11 Miscellaneous 40.91 Total overhead expenses 117.67 Total dir & ovhd expenses 944.38 Net return 253.08 Labor & management charge 49.72 Net return over lbr & mgt 204.08 Cost of Production/Cwt. Carcass Sold Total direct expense per unit Total direct expense per unit 146.99 Total dir & ovhd expense per unit 155.77 With other revenue adjustments 156.37 With labor and management 160.08 Est. labor hours per unit 2.92 Other Information 2.92 No. purchased or trans in 290 Number sold or trans out 296 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of conc / lb. of gain 7.77 Lb. of feed / lb. of gain 9.70 Feed cost per cwt. of gain 86.67 | Hired labor | | 13.75 | | 6.80 |
| Miscellaneous 40.91 Total overhead expenses 117.67 Total dir & ovhd expenses 944.38 Net return 253.08 Labor & management charge 49.72 Net return over lbr & mgt 204.08 Cost of Production/Cwt. Carcass Sold Total direct expense per unit 146.99 Total dire & ovhd expense per unit 155.77 With other revenue adjustments 156.37 With labor and management 160.08 Est. labor hours per unit 2.92 Other Information 2.92 No. purchased or trans in 290 Number sold or trans out 296 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of conc / lb. of gain 7.77 Lb. of feed / lb. of gain 9.70 Feed cost per cwt. of gain 86.67 | Interest | | 18.90 | | 10.48 |
| Total overhead expenses 117.67 Total dir & ovhd expenses 944.38 Net return 253.08 Labor & management charge 49.72 Net return over lbr & mgt 204.08 Cost of Production/Cwt. Carcass Sold Total direct expense per unit Total dir & ovhd expense per unit 146.99 Total dir & ovhd expense per unit 155.77 With other revenue adjustments 156.37 With labor and management 160.08 Est. labor hours per unit 2.92 Other Information 290 No. purchased or trans in 290 Number sold or trans out 296 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of conc / lb. of gain 7.77 Lb. of feed / lb. of gain 9.70 Feed cost per cwt. of gain 86.67 | Mach & bldg depreciation | | 44.11 | | 12.62 |
| Total dir & ovhd expenses 944.38 Net return 253.08 Labor & management charge 49.72 Net return over Ibr & mgt 204.08 Cost of Production/Cwt. Carcass Sold *** Total direct expense per unit 146.99 Total dir & ovhd expense per unit 155.77 With other revenue adjustments 156.37 With labor and management 160.08 Est. labor hours per unit 2.92 Other Information 290 Number sold or trans in 290 Number sold or trans out 296 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of conc / lb. of gain 7.77 Lb. of feed / lb. of gain 9.70 Feed cost per cwt. of gain 86.67 | Miscellaneous | | 40.91 | | 12.43 |
| Net return 253.08 Labor & management charge 49.72 Net return over lbr & mgt 204.08 Cost of Production/Cwt. Carcass Sold 146.99 Total direct expense per unit 155.77 With other revenue adjustments 156.37 With labor and management 160.08 Est. labor hours per unit 2.92 Other Information 290 Number sold or trans out 296 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of conc / lb. of gain 7.77 Lb. of feed / lb. of gain 9.70 Feed cost per cwt. of gain 86.67 | Total overhead expenses | | 117.67 | | 42.33 |
| Net return 253.08 Labor & management charge 49.72 Net return over lbr & mgt 204.08 Cost of Production/Cwt. Carcass Sold Total direct expense per unit Total dir & ovhd expense per unit 146.99 Total dir & ovhd expense per unit 155.77 With other revenue adjustments 156.37 With labor and management 160.08 Est. labor hours per unit 2.92 Other Information 2.90 Number sold or trans out 296 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of conc / lb. of gain 7.77 Lb. of feed / lb. of gain 9.70 Feed cost per cwt. of gain 86.67 | Total dir & ovhd expenses | | 944.38 | | 399.01 |
| Net return over lbr & mgt Cost of Production/Cwt. Carcass Sold Total direct expense per unit Total dir & ovhd expense Total dir & ovhd expens | | | 253.08 | | 19947 |
| Net return over lbr & mgt Cost of Production/Cwt. Carcass Sold Total direct expense per unit Total dir & ovhd expense Total dir & ovhd expens | Labor & management charge | | 49 72 | | 37.04 |
| Cost of Production/Cwt. Carcass Sold Total direct expense per unit Total dir & ovhd expense per unit Total direct expense Total dir | | | | | 162.43 |
| Total direct expense per unit Total dir & ovhd expense per unit With other revenue adjustments 156.37 With labor and management Est. labor hours per unit Other Information No. purchased or trans in No. purchased or trans out Percentage death loss Avg. daily gain (lb.) Lb. of conc / lb. of gain Feed cost per cwt. of gain 146.99 155.77 165.37 160.08 2.92 160.08 2.92 160.08 2.92 160.08 2.92 160.08 2.92 160.08 2.90 17.77 180.09 | <u> </u> | | 201.00 | | 102.10 |
| Total dir & ovhd expense per unit With other revenue adjustments 156.37 With labor and management 160.08 Est. labor hours per unit 2.92 Other Information No. purchased or trans in 290 Number sold or trans out Percentage death loss Avg. daily gain (lb.) Lb. of conc / lb. of gain Feed cost per cwt. of gain 86.67 | | | 440.00 | | 470.00 |
| With other revenue adjustments 156.37 With labor and management 160.08 Est. labor hours per unit 2.92 Other Information No. purchased or trans in 290 Number sold or trans out 296 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of conc / lb. of gain 7.77 Lb. of feed / lb. of gain 9.70 Feed cost per cwt. of gain 86.67 | | | | | 176.29 |
| With labor and management 160.08 Est. labor hours per unit 2.92 Other Information No. purchased or trans in 290 Number sold or trans out 296 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of conc / lb. of gain 7.77 Lb. of feed / lb. of gain 9.70 Feed cost per cwt. of gain 86.67 | | | | | 181.59 |
| Est. labor hours per unit 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 2.92 296 297 297 297 297 297 297 2 | - | | | | 181.49 |
| Other Information No. purchased or trans in 290 Number sold or trans out 296 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of conc / lb. of gain 7.77 Lb. of feed / lb. of gain 9.70 Feed cost per cwt. of gain 86.67 | With labor and management | | 160.08 | | 186.12 |
| No. purchased or trans in 290 Number sold or trans out 296 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of conc / lb. of gain 7.77 Lb. of feed / lb. of gain 9.70 Feed cost per cwt. of gain 86.67 | Est. labor hours per unit | | 2.92 | | 2.65 |
| No. purchased or trans in 290 Number sold or trans out 296 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of conc / lb. of gain 7.77 Lb. of feed / lb. of gain 9.70 Feed cost per cwt. of gain 86.67 | Other Information | | | | |
| Number sold or trans out 296 Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of conc / lb. of gain 7.77 Lb. of feed / lb. of gain 9.70 Feed cost per cwt. of gain 86.67 | | | 290 | | 161 |
| Percentage death loss 0.9 Avg. daily gain (lb.) 2.71 Lb. of conc / lb. of gain 7.77 Lb. of feed / lb. of gain 9.70 Feed cost per cwt. of gain 86.67 | • | | | | 168 |
| Avg. daily gain (lb.) Lb. of conc / lb. of gain Lb. of feed / lb. of gain Feed cost per cwt. of gain 86.67 | | | | | 1.1 |
| Lb. of conc / lb. of gain T.77 Lb. of feed / lb. of gain Feed cost per cwt. of gain 86.67 | | | | | 1.26 |
| Lb. of feed / lb. of gain 9.70 Feed cost per cwt. of gain 86.67 | | | | | 2.59 |
| Feed cost per cwt. of gain 86.67 | <u> </u> | | | | 11.38 |
| 1 0 | | | | | 83.75 |
| | | | | | |
| · | Feed cost per head | | 647.31 | | 256.63 |
| Hired labor per head 22.84 | | | | | 7.27 |
| Average purchase weight 639 | | | | | 529 |
| Avg wgt / Finish/Feeder sold 1,440 | | | | | 846 |
| | - · · · · · · · · · · · · · · · · · · · | | | | 273.93 |
| Avg sales price / cwt. 175.34 2023 Northern Minnesota Annual Report Page 61 Farm Rusiness Management Education Pro | | | 175.34 | | 210.44 |

Livestock Enterprise Analysis Farm Business Management Statewide Data (Farms Sorted By Return to Overhead)

Sheep, Market Lamb Prod -- Average Per Ewe

| | Avg. Of All Farms | | |
|--|--|--|--|
| Number of farms | | 9 | |
| Lambs sold (lb) Mkt Lambs sold (lb) Cull sales (lb) Government payments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin | Quantity 5.6 168.0 11.7 -4.1 -0.9 4.2 | Value 0.38 323.00 17.11 4.29 8.03 -15.83 -0.93 30.74 366.78 | |
| Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Hay (lb.) Other feed stuffs (lb) Supplies Repairs Custom hire Miscellaneous Total direct expenses Return over direct expense | 239.1 73.2 6.7 1,178.6 532.8 214.9 31.8 178.1 | 64.40 15.33 36.12 28.84 43.15 15.55 2.70 12.50 9.80 17.10 10.60 28.67 284.77 82.02 | |
| Overhead Expenses Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 10.67 22.87 33.35 66.88 351.65 15.13 | |
| Labor & management charge Net return over lbr & mgt | | 56.79 -41.66 | |
| 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 | | 155.65 192.20 181.54 212.58 | |
| Est. labor hours per unit | | 3.70 | |
| Other Information Number of ewes Pregnancy percentage Pregnancy loss percentage Female turnover rate Lambs born / ewe exposed Lambs born / ewe lambing Lambs weaned/ewe exposed Lambs sold per ewe Lamb dth loss (died/born) Ewe death loss percentage Ewes per FTE Average weaning weight Lb. weaned/exposed female Feed cost per ewe Avg wgt/Mkt Lambs sold Avg price / cwt. | | 321.4 97.7 1.4 17.94 1.81 1.88 1.47 1.29 11.0 6.1 757.6 50 74 218.59 130 192.26 | |

Livestock Enterprise Analysis Farm Business Management Statewide Data (Farms Sorted By Return to Overhead)

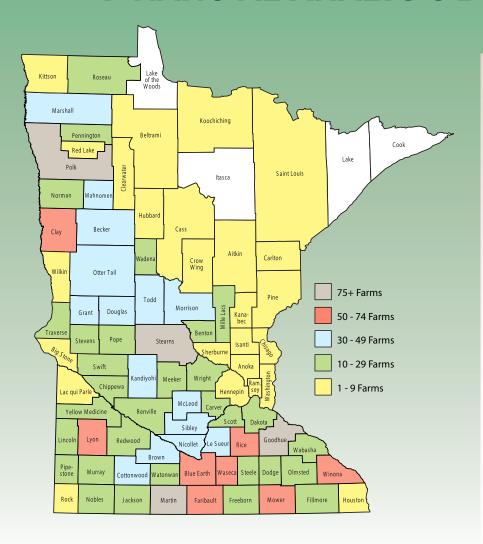
Hogs, Weaning to Finish (Per Head) and Finish Feeder Pigs (Per Head)

| Number of Farms | | g to Finish 6 | Finish Feeder Pigs 10 | |
|--|-------------------|------------------|-----------------------|-----------------|
| Pigs / Hogs sold (lb) | Quantity 286.3 | Value 173.15 | Quantity 283.4 | Value 175.34 |
| Transferred out (lb) | 1.2 | 1.10 | 0.1 | 0.26 |
| Insurance income Government payments | - | 1.42 | - - | 1.76 |
| Other income & hedging gains/losses | _ | 6.24 | <u>-</u> | -0.87 |
| Purchased (lb) | -12.9 | -42.18 | -23.5 | -69.31 |
| Transferred in (lb) | -2.5 | -8.43 | -1.7 | -1.62 |
| Inventory change (lb) | -2.2 | -1.82 | -13.0 | -7.37 |
| Gross margin | | 129.48 | | 98.18 |
| Direct Expenses Protein Vit Minerals (lb.) | 135.2 | 36.19 | 149.9 | 34.08 |
| Complete Ration (lb.) | 118.9 | 18.63 | 107.9 | 20.68 |
| Corn (bu.) | 6.9 | 38.68 | 6.8 | 34.66 |
| DDGS, dry (lb.) | 75.6 | 8.74 | 9.9 | 1.12 |
| Other feed stuffs (lb) | 5.7 | 0.12 4.21 | 0.1 | 0.13 1.53 |
| Veterinary Contract production exp. | | 6.63 | | 1.55 |
| Repairs | | 2.29 | | 0.81 |
| Custom hire | | 4.19 | | 0.35 |
| Fuel & oil | | 1.61 | | 0.44 |
| Hauling and trucking Hired labor | | 2.85 2.47 | | 2.36 0.59 |
| Operating interest | | 1.66 | | 0.38 |
| Miscellaneous | | 3.16 | | 2.87 |
| Total direct expenses | | 131.43 | | 100.00 |
| Return over direct expense | | -1.95 | | -1.82 |
| Overhead Expenses | | | | |
| Hired labor | | 0.91 | | 1.76 |
| Building leases Farm insurance | | 5.21 0.83 | | 9.72 1.02 |
| Utilities | | 0.21 | | 0.56 |
| Interest | | 0.46 | | 0.64 |
| Mach & bldg depreciation | | 2.42 | | 0.99 |
| Miscellaneous | | 0.93 10.97 | | 1.59 16.28 |
| Total overhead expenses Total dir & ovhd expenses | | 142.40 | | 116.29 |
| Net return | | -12.93 | | -18.11 |
| Labor & management charge | | 2.85 | | 1.92 |
| Net return over lbr & mgt | | -15.78 | | -20.02 |
| Cost of Production/Cwt. Carcass Sold | | | | |
| Total direct expense per unit | | 86.20 | | 85.25 |
| Total dir & ovhd expense per unit | | 91.35 | | 93.05 |
| With other revenue adjustments With labor and management | | 87.77 89.11 | | 92.87 93.79 |
| Est. labor hours per unit | | 0.31 | | 0.21 |
| Other Information | | 0.01 | | 0.21 |
| No. purchased or trans in | | 30,184 | | 10,813 |
| Number sold or trans out | | 28,394 | | 9,912 |
| Percentage death loss | | 4.5 | | 5.9 |
| Percent substandard hogs | | 2 | | 1 |
| Avg. daily gain (lb.) Lb. of feed / lb. of gain | | 1.74 2.61 | | 1.73 2.62 |
| Feed cost per cwt. of gain | | 37.08 | | 36.69 |
| Feed cost per head | | 102.36 | | 90.70 |
| Hired labor per head | | 3.38 | | 2.35 |
| Average purchase weight | | 14 | | 22 |
| Avg wgt /Fin Pig/Hog sold | | 277 | | 285 |
| Avg sales price / head | | 46.53 60.49 | | 65.43 61.86 |
| Avg sales price / cwt. Average carcass weight | | 210 | | 213 |
| Average carcass weight Average price / cwt. carcass | | 80.80 | | 83.68 |
| | | | | |

Selected Crop & Livestock Enterprise Trend Summary Northern Minnesota Farm Business Management Data

| Alfalfa Hay | <u>2019</u> | <u>2020</u> | 2021 | 2022 | 2023 | Total Dir&Ovhd Expense |
|--|-------------|----------------|-----------|--------------------|----------|--------------------------|
| Yield per Acre | 4.0 | 4.2 | 2.9 | 4.1 | 3.7 | |
| Value per Ton | \$148.97 | \$136.11 | \$172.67 | \$153.99 | \$161.72 | |
| Fuel, Oil, Repairs per Acre | \$87.41 | \$91.02 | \$111.25 | \$127.46 | \$121.23 | 445 |
| Total Dir & Ovhd Exp per Acre | \$333.24 | \$351.17 | \$384.31 | \$413.66 | \$444.80 | 333 351 384 414 |
| Net Return per Acre | \$301.16 | \$232.35 | \$136.48 | \$219.76 | \$159.51 | 333 351 |
| Total Direct Expenses per Ton | \$41.84 | \$44.90 | \$68.27 | \$60.05 | \$68.57 | 2019 2020 2021 2022 2023 |
| Total Dir & Ovhd Exp per Ton | \$82.69 | \$84.56 | \$93.54 | \$101.02 | \$120.46 | 2019 2020 2021 2022 2025 |
| Corn | | | | | | |
| Yield per Acre | 160.2 | 176.2 | 141.1 | 169.0 | 161.0 | |
| Value per Bushel | \$3.40 | \$3.78 | \$5.30 | \$6.09 | \$4.67 | |
| Fuel, Oil, Repairs per Acre | \$83.95 | \$82.16 | \$89.47 | \$117.03 | \$110.69 | 725 721 |
| Total Dir & Ovhd Exp per Acre | \$580.96 | \$559.08 | \$584.48 | \$725.05 | \$721.22 | 584 |
| Net Return per Acre | \$35.63 | \$158.49 | \$158.49 | \$319.63 | \$108.96 | 581 559 564 |
| Total Direct Expenses per Bu. | \$2.42 | \$2.15 | \$2.83 | \$3.12 | \$3.24 | 2019 2020 2021 2022 2023 |
| Total Dir & Ovhd Exp per Bushel | \$3.63 | \$3.17 | \$4.14 | \$4.29 | \$4.48 | 2019 2020 2021 2022 2025 |
| Corn Silage | | | | | | |
| Yield per Acre | 18.7 | 21.0 | 13.3 | 19.4 | 17.0 | |
| Value per Ton | \$31.58 | \$34.35 | \$41.87 | \$45.33 | \$42.21 | |
| Fuel, Oil, Repairs per Acre | \$94.18 | \$103.57 | \$111.94 | \$134.63 | \$129.27 | 690 717 |
| Total Dir & Ovhd Exp per Acre | \$572.60 | \$597.78 | \$600.39 | \$690.23 | \$717.43 | 573 598 600 |
| Net Return per Acre | \$75.40 | \$162.77 | \$131.40 | \$190.28 | \$215.64 | 5/3 |
| Total Direct Expenses per Ton | \$20.73 | \$19.84 | \$31.07 | \$25.96 | \$30.19 | 2019 2020 2021 2022 2023 |
| Total Dir & Ovhd Exp per Ton | \$30.63 | \$28.43 | \$45.16 | \$35.63 | \$42.20 | |
| Soybeans | | | | | | |
| Yield per Acre | 37.8 | 41.5 | 30.6 | 39.7 | 39.7 | |
| Value per Bushel | \$8.17 | \$10.23 | \$12.25 | \$13.93 | \$12.33 | 379 390 |
| Fuel, Oil, Repairs per Acre | \$42.10 | \$46.34 | \$46.71 | \$62.93 | \$60.28 | 379 350 |
| Total Dir & Ovhd Exp per Acre | \$301.73 | \$309.79 | \$310.81 | \$379.03 | \$390.01 | 302 310 311 |
| Net Return per Acre | \$68.79 | \$155.17 | \$118.55 | \$190.43 | \$116.32 | |
| Total Direct Expenses per Bu. | \$5.09 | \$4.67 | \$6.62 | \$6.36 | \$6.67 | 2019 2020 2021 2022 2023 |
| Total Dir & Ovhd Exp per Bushel | \$7.98 | \$7.46 | \$10.15 | \$9.55 | \$9.83 | 2013 2010 2011 2011 2015 |
| Spring Wheat | | | | | | |
| Yield per Acre | 59.8 | 59.9 | 50.3 | 64.4 | 65.7 | |
| Value per Bushel | \$5.09 | \$5.48 | \$8.80 | \$9.05 | \$7.06 | |
| Fuel, Oil, Repairs per Acre | \$41.94 | \$42.63 | \$44.24 | \$56.99 | \$54.74 | |
| Total Dir & Ovhd Exp per Acre | \$329.97 | \$324.04 | \$316.32 | \$422.81 | \$430.91 | 423 431 |
| Net Return per Acre | \$53.62 | \$65.64 | \$178.66 | \$171.05 | \$54.87 | 330 324 316 |
| Total Direct Expenses per Bu. | \$3.75 | \$3.56 | \$4.25 | \$4.84 | \$4.73 | 2019 2020 2021 2022 2023 |
| Total Dir & Ovhd Exp per Bushel | \$5.52 | \$5.41 | \$6.29 | \$6.57 | \$6.56 | 2013 2020 2021 2022 2023 |
| Boof Cow Calf | | | | | | |
| Beef Cow Calf Price Recv'd/Cwt Calf Sold | \$145.96 | \$159.21 | \$153.79 | \$180.23 | \$223.17 | |
| Total Feed Cost/Cow | \$469.02 | \$433.96 | \$549.62 | \$640.45 | \$624.18 | 1,051 1,044 |
| Return over Feed/Cow | \$136.18 | \$314.25 | \$214.94 | \$174.45 | \$517.93 | 930 |
| Net Return/Cow | -\$223.06 | -\$29.30 | -\$165.68 | -\$235.79 | \$97.86 | 828 778 |
| Total Direct & Ovhd Expenses | \$828.25 | \$777.50 | | \$1,050.70 | | 2019 2020 2021 2022 2023 |
| | | | | | | 2017 2020 2021 2022 2023 |
| <u>Dairy Cows</u> Production/Cow | 24,390 | 24,983 | 25,285 | 25,485 | 25,918 | |
| Price Recv'd/Cwt Milk | \$18.64 | \$19.77 | \$18.41 | \$24.24 | \$19.14 | |
| Total Feed Cost/Cwt Milk | \$8.24 | \$8.73 | \$9.59 | \$24.24 \$11.41 | \$19.14 | 20 19 |
| Return over Feed/Cwt Milk | \$10.40 | \$11.04 | \$8.82 | \$12.83 | \$8.41 | 16 17 17 |
| Net Return/Cwt Milk | \$1.65 | \$3.86 | \$0.82 | \$2.69 | \$0.41 | |
| Total Direct & Ovhd Expenses | \$15.72 | \$16.74 | \$17.07 | \$19.83 | \$19.29 | 2019 2020 2021 2022 2023 |
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2023 FARM BUSINESS MANAGEMENT FINANCIAL ANALYSIS BY COUNTY



MINNESOTA FARM BUSINESS MANAGEMENT EDUCATION PROGRAMS

Vision:

To provide educational opportunities for students to be successful in a competitive agricultural environment.

Mission:

To deliver management education for decisionmaking that achieves an individual's business goals.

Guiding Principles:

- 1. Improved Quality of Life in Communities
- 2. Achievement of Student Goals
- 3. Awareness of the Global Importance of Agriculture
- 4. Integrity in Student Interaction
- 5. Timely and Student-Focused Programming

SOURCES OF DATA

The 2,317 producers who provided data for three MN regional reports are located in 83 of Minnesota's 87 counties. Those counties are highlighted on the map to the left, color coded based on the number of farms included from each county.

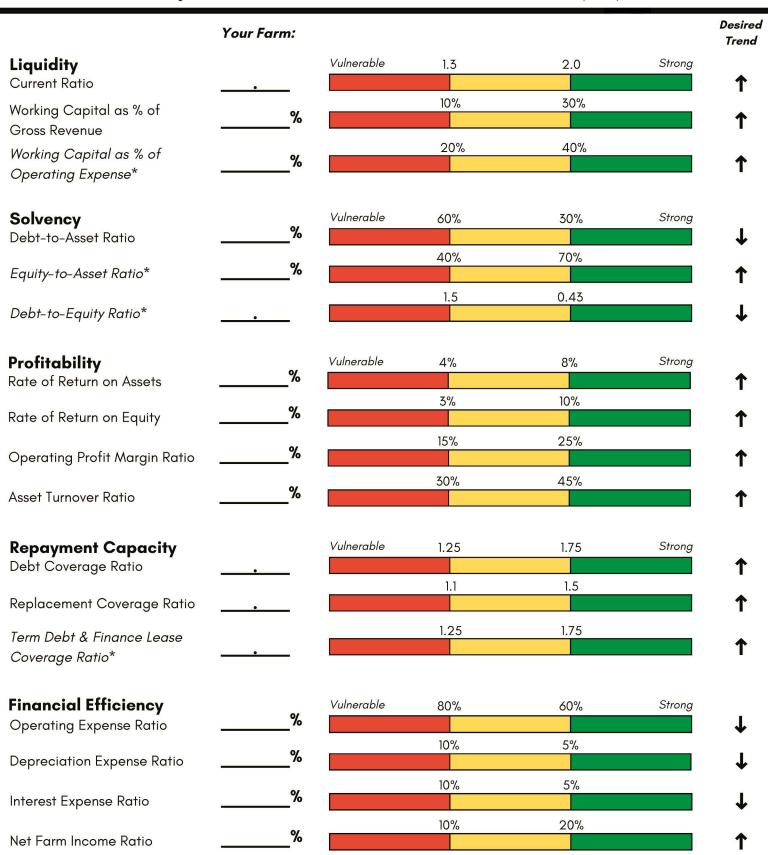




Southern Agricultural Center of Excellence

Farm Financial Scorecard

Using Recommended Measures from the Farm Financial Standards Council (FFSC)



^{*} Denotes Acceptable Alternate Measures of the FFSC (https://ffsc.org/)



