









Farm Business Management

Northern Minnesota 2020 ANNUAL REPORT



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

A MEMBER OF THE MINNESOTA STATE SYSTEM

Northern Minnesota Annual Report Instructors and Locations



MINNESOTA STATE

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Assist in Meeting Farm Business and Personal Goals

Direct Effective Financial Management

Support Rural Mental Health

Guide Sound Business Decisions

Advise Farm Transition and Succession Planning

Develop Farm Efficiency and Risk Management

Increase Access to Lending Opportunities

Rural Mental Health Support

FARM INFO LINE 1-800-232-9077

MN FARM & RURAL HELPLINE 833-600-2670, x1

MN Mental Health Outreach Program

TED MATTHEWS, M.S. 320-266-2390

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MENTAL HEALTH OUTREACH PROGRAM

Colleges Supporting Farm Business Management

Alexandria Technical College
Central Lakes College
Minnesota West Community
and Technical College
Northland Community and Technical College

Ridgewater College
Riverland Community College
South Central College
St. Cloud Technical and
Community College

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2020 Annual Report - Executive Summary

The 2020 farm year was the highest net farm income in the past seven years for Northern Minnesota, however it wasn't without it's challenges. Producers faced issues related to harvesting 2019 crop during the early spring in 2020, crop marketing challenges during 2020 as well as the challenges surrounding the COVID-19 Pandemic.

In 2020, Average Net Farm Income for the 577 farms in the Northern Minnesota database was \$156,941. This was up from the \$72,208 reported in 2019. Median Net Farm Income was up as well, increasing to \$85,468 in 2020, compared to \$29,325 in 2019. Many factors contributed to this increase including increases in yields for most crops as well as higher selling values coupled with a variety government programs designed to assist farmers with challenging marketing prices as well as disaster payments for previously grown crops.

| Financial Factors | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|-------------------------|----------|-----------|----------|----------|----------|----------|----------|-----------|
| Average Net Farm Income | \$75,243 | \$114,095 | \$37,182 | \$59,480 | \$54,021 | \$59,306 | \$72,208 | \$156,941 |
| Median Net Farm Income | \$27,886 | \$46,104 | \$23,730 | \$25,654 | \$23,489 | \$25,857 | \$29,325 | \$85,468 |

Some key financial measures showed increases compared to 2019. Working Capital increased to \$240,631 at the end of 2020 compared to \$144,382 at the end of 2019; an increase of 66.7%. Working Capital represents the dollar amount remaining after subtracting current liabilities from current assets. The 2020 Northern Minnesota term debt coverage average was 2.38 compared to 1.35 in 2019. With increases in profitability in 2020, the Operating Expense Ratio came in at 69.6%.

The Dairy industry showed some increases in net return per cow due to increases in milk production on a per cow basis as well as a larger average milk price compared to 2019 and 2018. However, the Beef Industry was challenged again with a negative \$29 net return per cow. This lack of profitability in Beef is due to prices remaining low and expenses increasing. Cattle prices were tempered this past year by COVID-19 related food chain issues and increasing feed increases at year end.

| Statewide FBM Data | Dairy (Excludin | ng Organic & Orga | anic Transition) | Beef Cow-Calf (Excluding backgrounding) | | | |
|----------------------------------|-----------------|-------------------|------------------|---|----------|----------|--|
| Statewide FBIVI Data | 2018 | 2019 | 2020 | 2018 | 2019 | 2020 | |
| Feed Cost / Cow | \$1,933 | \$2,010 | \$2,180 | \$423 | \$469 | \$434 | |
| Dir & Ovhd Expense/Cow | \$3,705 | \$3,835 | \$4,183 | \$746 | \$828 | \$778 | |
| Net Return / Cow | (\$38) | \$403 | \$964 | (\$54) | (\$223) | (\$29) | |
| Average Milk Price | \$16.44 | \$18.64 | \$19.77 | xxx | xxx | xxx | |
| Cost of Prod per CWT w/LaborMgmt | \$17.29 | \$17.65 | \$16.65 | xxx | xxx | xxx | |
| Average Price per CWT Calf Sold | xxx | xxx | xxx | \$152.00 | \$146.00 | \$159.00 | |

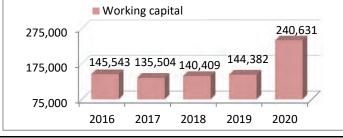
2020 showed a variety of yield differences for the northern half of Minnesota, with an average yield per acre of 172.7 bushels for corn, 40.3 bushels for soybeans, and 56.5 bushels for spring wheat. Net returns showed profitability on all three crops for the second consecutive year. The chart below displays the 3-year history of selected factors for these crops.

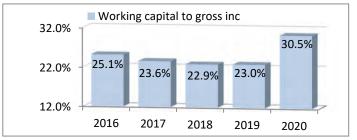
| | | | | Gross | Dir & Ovhd | | Dir & Ovhd |
|-----------------|--------|-----------|-----------|----------|------------|------------|------------|
| Rente | d Land | Yield per | Value per | Revenue | Expense | Net Return | Expense |
| | | Acre | Unit | /Acre | /Acre | /Acre | /Unit |
| | 2018 | 174.9 | \$3.29 | \$591.86 | \$600.68 | (\$8.82) | \$3.43 |
| Corn | 2019 | 156.7 | \$3.42 | \$605.07 | \$593.49 | \$11.58 | \$3.79 |
| | 2020 | 172.2 | \$3.85 | \$710.99 | \$592.09 | \$118.90 | \$3.44 |
| | 2018 | 39.9 | \$8.44 | \$417.24 | \$342.97 | \$74.27 | \$8.60 |
| Soybeans | 2019 | 37.1 | \$8.22 | \$370.04 | \$334.72 | \$35.32 | \$9.01 |
| | 2020 | 40.3 | \$10.01 | \$446.10 | \$339.38 | \$106.71 | \$8.43 |
| Spring | 2018 | 59.6 | \$5.53 | \$355.89 | \$338.44 | (\$1.08) | \$5.68 |
| Spring Wheat | 2019 | 60.7 | \$5.09 | \$383.13 | \$346.31 | \$36.82 | \$5.70 |
| vvileat | 2020 | 56.5 | \$5.49 | \$366.60 | \$343.07 | \$23.53 | \$6.07 |

Trend information for the 2016-2020 Financial Summary can be found on page 4 of this report. A quick look at 2020 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

| | <u>2016</u> | <u>2017</u> | <u>2018</u> | <u>2019</u> | 2020 |
|-------------------------------------|-------------|-----------------|-------------|-------------|-----------|
| Income Statement | | | | | |
| Gross Cash Farm Income | 557,016 | 562,001 | 585,946 | 605,725 | 756,236 |
| Total Cash Farm Expense | 473,748 | 470,535 | 505,816 | 511,025 | 613,229 |
| Net Cash Farm Income | 83,268 | 91,466 | 80,130 | 94,700 | 143,007 |
| Inventory change | 20,084 | 7,106 | 21,774 | 16,031 | 60,809 |
| Depreciation | -44,472 | -44,668 | -42,395 | -45,887 | -49,447 |
| Net Farm Income From Operations | 58,880 | 53,905 | 59,509 | 64,844 | 154,368 |
| Gain or loss on capital sales | 601 | 116 | -202 | 7364 | 2,573 |
| Average Net Farm Income | 59,480 | 54,021 | 59,306 | 72,208 | 156,941 |
| Median Net Farm Income | 25,654 | 23,489 | 25,857 | 29,325 | 85,468 |
| Profitability (Cost) | | | | | |
| Rate of Return on Assets | 2.7% | 2.5% | 3.1% | 3.4% | 7.5% |
| Rate of Return on Equity | 1.6% | 1.2% | 2.0% | 2.4% | 10.4% |
| Operating Profit Margin | 9.2% | 8.4% | 10.0% | 10.9% | 21.6% |
| Asset Turnover Rate | 29.6% | 30.1% | 30.6% | 30.8% | 34.8% |
| Liquidity & Repayment (end of year) | | | | | |
| Current Assets | 395,719 | 372,786 | 413,286 | 414,578 | 508,521 |
| Current Liabilities | 250,175 | 237,282 | 272,877 | 270,196 | 267,890 |
| Current Ratio | 1.58 | 1.57 | 1.51 | 1.53 | 1.90 |
| Working capital | 145,543 | 135,504 | 140,409 | 144,382 | 240,631 |
| Change in working capital | - | - | 5,184 | 11,194 | 88,962 |
| Working capital to gross inc | 25.1% | 23.6% | 22.9% | 23.0% | 30.5% |
| Term Debt Coverage Ratio | 1.22 | 1.18 | 1.27 | 1.35 | 2.38 |
| Replacement coverage ratio | 1.01 | 0.96 | 1.02 | 1.07 | 1.87 |
| Term debt to EBITDA | 3.63 | 3.85 | 3.80 | 3.55 | 2.41 |
| Solvency (Market) | | | | | |
| Number of Farms | 615 | 622 | 615 | 572 | 577 |
| Total Assets | 1,842,910 | 1,837,006 | 2,267,883 | 2,290,635 | 2,572,803 |
| Total Liabilities | 803,433 | 794,024 | 1,026,167 | 1,029,465 | 1,128,308 |
| Net Worth | 1,039,477 | 1,042,982 | 1,241,716 | 1,261,170 | 1,444,495 |
| Net Worth Change | 43,243 | 38,476 | 48,792 | 57,514 | 169,349 |
| Farm Debt to Asset Ratio | 46% | 46% | 48% | 47% | 46% |
| Total Debt to Asset Ratio | 44% | 43% | 45% | 45% | 44% |
| Change in total net worth % | 4% | 4% | 4% | 5% | 13% |
| Nonfarm Information | | | | | |
| Net Nonfarm Income | 27,427 | 28,846 | 31,318 | 33,283 | 39,596 |
| Farms Reporting Liv Expenses | 101 | ['] 76 | , 75 | 70 | , 74 |
| Total Family Living Expense | 47,828 | 50,678 | 50,802 | 51,527 | 55,350 |
| Total Living, Invest, & Cap Purch | 59,233 | 65,631 | 63,149 | 74,591 | 62,491 |
| Crop Acres | | | | | |
| Total Crop Acres | 713 | 755 | 754 | 798 | 828 |
| Total Crop Acres Owned | 239 | 257 | 251 | 245 | 246 |
| Total Crop Acres Cash Rented | 466 | 492 | 497 | 545 | 576 |
| Total Crop Acres Share Rent | 8 | 6 | 6 | 8 | 7 |
| Machinery value per crop acre | 622 | 596 | 531 | 580 | 608 |
| • • • | | | | | |





| <u>Year at a Glance</u> | | State | | Your | Your |
|--------------------------------------|-------------|-------------|-------|------|------|
| | Northern | FBM | Local | Farm | Farm |
| Data for the Average Farm | Minnesota | Data | Area | Data | Goal |
| | 577 | 2246 | | | |
| | Farms | Farms | | | |
| Income Statement | | | | | |
| Gross Cash Farm Income | \$756,236 | \$834,622 | | | |
| Total Cash Operating Expense | \$613,229 | \$697,094 | | | |
| Net Cash Farm Income | \$143,007 | \$137,529 | | | |
| Net Operating Profit | \$203,815 | \$220,709 | | | |
| Net Farm Income | \$156,941 | \$172,678 | | | |
| Median Farm Income | \$85,468 | \$100,684 | | | |
| Balance Sheet (Market) | | | | | |
| Total Assets - 12/31 | \$2,572,803 | \$3,059,297 | | | |
| Total Liabilities - 12/31 | \$1,128,308 | \$1,293,631 | | | |
| Net Worth - 12/31 | \$1,444,495 | \$1,765,665 | | | |
| Change in Net Worth | \$169,349 | \$184,782 | | | |
| Financial Standards Measures | | | | | |
| Working Capital - 12/31 | \$240,631 | \$284,758 | | | |
| Debt to Asset Ratio - 12/31 | 46% | 45% | | | |
| Rate of Return on Farm Assets - Cost | 7.5% | 7.5% | | | |
| Rate of Return on Farm Equity - Cost | 10.4% | 10.5% | | | |
| Term Debt Coverage Ratio | 2.38 | 2.61 | | | |
| Asset Turnover Rate | 34.8% | 37.2% | | | |
| Operating Expense Ratio | 69.6% | 71.0% | | | |
| Interest Expense Ratio | 4.6% | 4.4% | | | |
| Operator Information | | | | | |
| Average Age of the Farmer | 46.8 | 46.9 | | | |
| Average Years Farming | 22.1 | 22.7 | | | |
| Personal Spending & Income | | | | | |
| Total Cash Family Living Expense | \$54,928 | \$59,797 | | | |
| Total Non Farm Income | \$39,596 | \$43,268 | | | |
| | | | | | |

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.

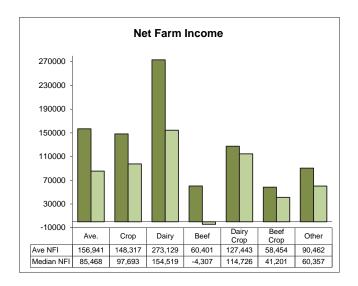
The following list shows expenses for the year:

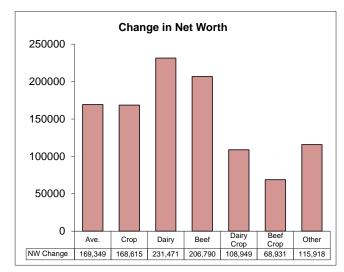
| g not only in the property of | , | Northern Minnesota | State Data |
|---|-----|--------------------|------------|
| Net Farm Income | (+) | \$156,941 | \$172,678 |
| Depreciation | (+) | \$49,447 | \$51,676 |
| Family Living (Excl Health/Med) | (-) | \$48,149 | \$50,274 |
| Social Security and Income Tax | (-) | \$6,495 | \$11,546 |
| Health and Medical Expense | (-) | \$6,779 | \$9,523 |
| Retirement Accounts | (-) | \$5,670 | \$8,717 |
| Principal Payments | (-) | \$62,605 | \$60,177 |
| Balance | (=) | \$76,690 | \$84,117 |

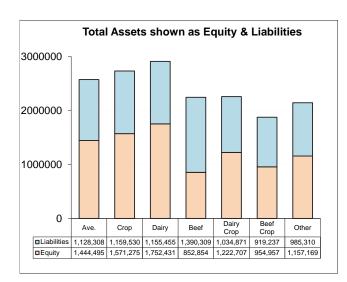
Financial Summary Northern Minnesota Farm Business Management Data (Farms Sorted By Farm Type)

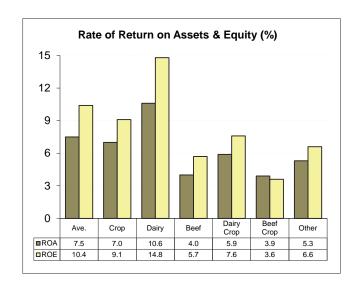
| | Avg. Of All Farms | Сгор | Dairy_ | Beef | Crop and Dairy | Crop and Beef | Other |
|---|----------------------------------|----------------------------------|----------------------------------|------------------|-------------------|---------------------------------|----------------------------------|
| Number of farms | 577 | 244 | 143 | 40 | 17 | 39 | 91 |
| 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 | 756,236 | 706,628 | 1,190,007 | 407,306 | 603,715 | 500,801 | 491,347 |
| | 613,229 | 561,289 | 949,611 | 419,681 | 472,813 | 428,919 | 401,433 |
| | 143,007 | 145,339 | 240,397 | -12,375 | 130,902 | 71,882 | 89,915 |
| | 60,809 | 48,254 | 101,709 | 93,994 | 24,915 | 22,290 | 36,691 |
| | -49,447 | -48,700 | -68,589 | -24,329 | -43,715 | -33,495 | -40,424 |
| | 154,368 | 144,893 | 273,517 | 57,290 | 112,102 | 60,678 | 86,181 |
| | 2,573 | 3,424 | -388 | 3,111 | 15,341 | -2,224 | 4,281 |
| | 156,941 | 148,317 | 273,129 | 60,401 | 127,443 | 58,454 | 90,462 |
| | 85,468 | 97,693 | 154,519 | -4,307 | 114,726 | 41,201 | 60,357 |
| Profitability (cost) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate | 7.5 % | 7.0 % | 10.6 % | 4.0 % | 5.9 % | 3.9 % | 5.3 % |
| | 10.4 % | 9.1 % | 14.8 % | 5.7 % | 7.6 % | 3.6 % | 6.6 % |
| | 21.6 % | 18.5 % | 28.0 % | 19.7 % | 21.0 % | 13.1 % | 19.4 % |
| | 34.8 % | 37.6 % | 38.0 % | 20.3 % | 28.2 % | 30.0 % | 27.2 % |
| Profitability (market) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate | 7.0 % | 6.8 % | 9.0 % | 8.3 % | 5.2 % | 3.2 % | 4.9 % |
| | 10.4 % | 9.7 % | 13.2 % | 21.0 % | 6.6 % | 2.9 % | 6.5 % |
| | 24.0 % | 21.8 % | 26.4 % | 48.2 % | 22.6 % | 13.5 % | 23.0 % |
| | 29.3 % | 31.1 % | 34.0 % | 17.3 % | 22.9 % | 24.0 % | 21.4 % |
| Liquidity & Repayment (end of year) Current assets Current liabilities Current ratio Working capital Change in working capital Working capital to gross inc Term debt coverage ratio Replacement coverage ratio Term debt to EBITDA | 508,521 | 618,291 | 432,587 | 635,091 | 360,467 | 377,562 | 357,162 |
| | 267,890 | 329,818 | 142,766 | 472,125 | 174,978 | 256,498 | 220,340 |
| | 1,90 | 1.87 | 3.03 | 1.35 | 2.06 | 1.47 | 1.62 |
| | 240,631 | 288,473 | 289,821 | 162,966 | 185,490 | 121,064 | 136,822 |
| | 88,962 | 84,445 | 134,810 | 33,945 | 73,907 | 70,782 | 63,683 |
| | 30.5 % | 38.9 % | 23.6 % | 33.8 % | 31.4 % | 23.9 % | 26.5 % |
| | 2.38 | 2.48 | 2.80 | 1.85 | 1.64 | 1.54 | 1.81 |
| | 1.87 | 1.75 | 2.41 | 1.64 | 1.26 | 1.23 | 1.51 |
| | 2.41 | 2.21 | 1.96 | 5.13 | 3.34 | 3.43 | 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 % | 577 | 244 | 143 | 40 | 17 | 39 | 91 |
| | 2,180,463 | 2,275,649 | 2,617,808 | 1,933,990 | 1,829,695 | 1,502,499 | 1,712,072 |
| | 914,623 | 924,949 | 935,191 | 1,167,471 | 864,992 | 762,795 | 809,802 |
| | 1,265,840 | 1,350,700 | 1,682,617 | 766,519 | 964,704 | 739,704 | 902,270 |
| | 148,808 | 138,655 | 244,183 | 105,536 | 92,031 | 61,404 | 95,840 |
| | 45 % | 43 % | 38 % | 63 % | 51 % | 53 % | 51 % |
| | 42 % | 41 % | 36 % | 60 % | 47 % | 51 % | 47 % |
| | 13 % | 11 % | 17 % | 16 % | 11 % | 9 % | 12 % |
| 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 % | 577 | 244 | 143 | 40 | 17 | 39 | 91 |
| | 2,572,803 | 2,730,805 | 2,907,886 | 2,243,163 | 2,257,578 | 1,874,194 | 2,142,479 |
| | 1,128,308 | 1,159,530 | 1,155,455 | 1,390,309 | 1,034,871 | 919,237 | 985,310 |
| | 1,444,495 | 1,571,275 | 1,752,431 | 852,854 | 1,222,707 | 954,956 | 1,157,168 |
| | 169,349 | 168,615 | 231,471 | 206,790 | 108,949 | 68,931 | 115,918 |
| | 46 % | 45 % | 42 % | 65 % | 49 % | 51 % | 49 % |
| | 44 % | 42 % | 40 % | 62 % | 46 % | 49 % | 46 % |
| | 13 % | 12 % | 15 % | 32 % | 10 % | 8 % | 11 % |
| Nonfarm Information Net nonfarm income Farms reporting living expenses Total family living expense Total living, invest, cap. purch | 39,596 74 55,350 62,491 | 49,200 24 55,213 82,211 | 13,245 23 55,502 63,972 | 74,582 2 - | 26,202 2 - | 42,868 4 51,563 77,611 | 41,510 19 57,618 35,587 |
| Crop Acres Total crop acres Total crop acres owned Total crop acres cash rented Total crop acres share rented Machinery value per crop acre | 828 | 1,325 | 455 | 404 | 484 | 686 | 393 |
| | 246 | 337 | 179 | 174 | 245 | 179 | 162 |
| | 576 | 973 | 274 | 227 | 239 | 506 | 231 |
| | 7 | 14 | 2 | 3 | - | 1 | - |
| | 608 | 472 | 1,130 | 719 | 871 | 541 | 836 |

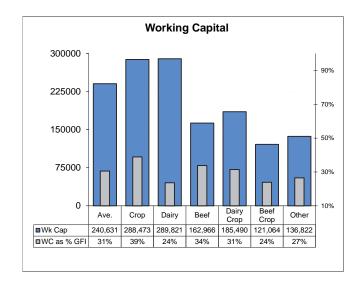
Selected Factors by Type of Farm

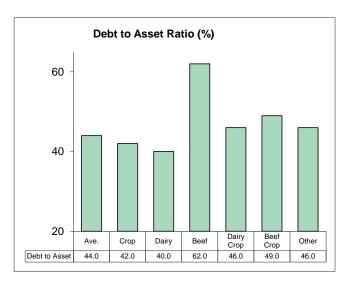




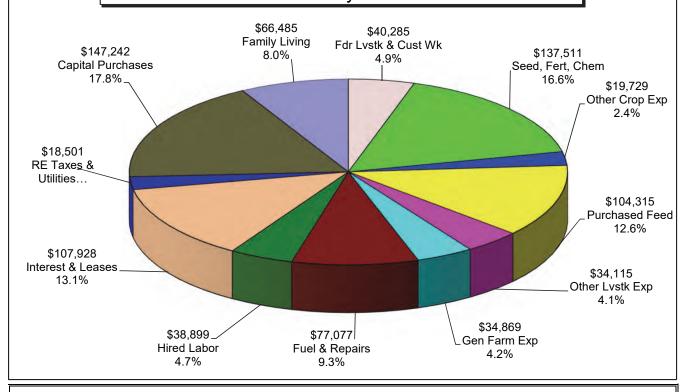








Each farmer, on average, spent \$826,956 in the Greater Community in 2020



Average Money Spent by Each Farmer in the Greater Community: \$826,956

Average Money Spent by Each Farmer in a 40 Yr Career: \$33,078,240 Money Spent in Community by 577 Farmers: \$477,153,612

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 eight two-year colleges. The 2018 Northern Minnesota Annual Report includes data from Farm Business Mangement programs administered by: Northland Community & Technical College, Central Lakes College, Alexandria Technical & Community College, Ridgewater College, and St. Cloud Technical & Community Colleges.

This report was prepared under the direction of Ron Dvergsten, Josh Tjosaas, and DelRay Lecy through AgCentric, Northern Center of Excellence for Agriculture. A special thank you goes to Keith Olander, AgCentric Director & Central Lakes College Dean, 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 26 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 Criteria to determine the "20%" categories

Financial Net Farm Income
Crops Return to Overhead
Statewide Livestock 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 | 577 | 144 | 140 | 78 | 93 | 122 |
| 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 | 756,236 | 381,893 | 913,093 | 815,867 | 965,394 | 820,516 |
| | 613,229 | 308,652 | 766,418 | 663,897 | 798,668 | 623,185 |
| | 143,007 | 73,241 | 146,675 | 151,969 | 166,726 | 197,332 |
| | 60,809 | 30,395 | 90,895 | 81,410 | 84,294 | 31,107 |
| | -49,447 | -19,254 | -49,340 | -58,120 | -72,486 | -62,100 |
| | 154,368 | 84,381 | 188,230 | 175,260 | 178,535 | 166,339 |
| | 2,573 | 785 | 750 | 442 | 5,825 | 5,658 |
| | 156,941 | 85,166 | 188,980 | 175,702 | 184,361 | 171,997 |
| | 85,468 | 48,003 | 106,768 | 118,183 | 120,099 | 83,766 |
| Profitability (cost) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate | 7.5 % | 8.1 % | 9.1 % | 7.7 % | 6.8 % | 6.2 % |
| | 10.4 % | 12.8 % | 15.5 % | 10.4 % | 8.8 % | 7.1 % |
| | 21.6 % | 20.7 % | 23.9 % | 21.2 % | 20.0 % | 20.9 % |
| | 34.8 % | 38.9 % | 38.0 % | 36.2 % | 34.1 % | 29.6 % |
| Profitability (market) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate | 7.0 % | 8.9 % | 9.2 % | 7.1 % | 6.2 % | 5.1 % |
| | 10.4 % | 15.3 % | 17.6 % | 10.2 % | 8.7 % | 6.2 % |
| | 24.0 % | 24.9 % | 27.0 % | 23.3 % | 21.6 % | 22.5 % |
| | 29.3 % | 35.7 % | 34.2 % | 30.4 % | 28.9 % | 22.6 % |
| Liquidity & Repayment (end of year) Current assets Current liabilities Current ratio Working capital Change in working capital Working capital to gross inc Term debt coverage ratio Replacement coverage ratio Term debt to EBITDA | 508,521 | 249,722 | 578,498 | 602,778 | 618,881 | 589,299 |
| | 267,890 | 136,292 | 357,950 | 325,672 | 329,223 | 236,178 |
| | 1.90 | 1.83 | 1.62 | 1.85 | 1.88 | 2.50 |
| | 240,631 | 113,430 | 220,548 | 277,106 | 289,658 | 353,122 |
| | 88,962 | 38,113 | 94,317 | 124,573 | 123,395 | 93,821 |
| | 30.5 % | 28.3 % | 22.9 % | 31.2 % | 28.8 % | 42.9 % |
| | 2.38 | 2.65 | 2.26 | 2.53 | 2.04 | 2.66 |
| | 1.87 | 2.27 | 2.03 | 1.84 | 1.69 | 1.70 |
| | 2.41 | 2.56 | 2.54 | 2.26 | 2.48 | 2.20 |
| 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 % | 577 | 144 | 140 | 78 | 93 | 122 |
| | 2,180,463 | 1,128,389 | 2,283,079 | 2,460,617 | 2,760,702 | 2,683,071 |
| | 914,623 | 553,672 | 1,174,021 | 1,003,248 | 1,121,051 | 828,974 |
| | 1,265,840 | 574,717 | 1,109,057 | 1,457,369 | 1,639,651 | 1,854,097 |
| | 148,808 | 96,673 | 180,140 | 167,832 | 166,621 | 148,650 |
| | 45 % | 51 % | 54 % | 43 % | 44 % | 34 % |
| | 42 % | 49 % | 51 % | 41 % | 41 % | 31 % |
| | 13 % | 20 % | 19 % | 13 % | 11 % | 9 % |
| 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 % | 577 | 144 | 140 | 78 | 93 | 122 |
| | 2,572,803 | 1,237,200 | 2,528,830 | 2,918,384 | 3,260,259 | 3,454,724 |
| | 1,128,308 | 621,424 | 1,374,322 | 1,247,003 | 1,409,530 | 1,154,023 |
| | 1,444,495 | 615,776 | 1,154,508 | 1,671,381 | 1,850,729 | 2,300,700 |
| | 169,349 | 113,636 | 206,444 | 188,680 | 188,020 | 165,949 |
| | 46 % | 52 % | 57 % | 45 % | 47 % | 36 % |
| | 44 % | 50 % | 54 % | 43 % | 43 % | 33 % |
| | 13 % | 23 % | 22 % | 13 % | 11 % | 8 % |
| Nonfarm Information Net nonfarm income Farms reporting living expenses Total family living expense Total living, invest, cap. purch | 39,596 | 49,595 | 40,762 | 43,341 | 29,503 | 31,753 |
| | 74 | 15 | 22 | 11 | 12 | 14 |
| | 55,350 | 49,486 | 54,011 | 63,100 | 52,146 | 60,395 |
| | 62,491 | 54,031 | 60,636 | 85,072 | 57,163 | 61,294 |
| Crop Acres Total crop acres Total crop acres owned Total crop acres cash rented Total crop acres share rented Machinery value per crop acre | 828 | 540 | 841 | 1,046 | 1,038 | 855 |
| | 246 | 89 | 193 | 273 | 275 | 451 |
| | 576 | 447 | 648 | 760 | 760 | 386 |
| | 7 | 4 | - | 13 | 3 | 17 |
| | 608 | 427 | 520 | 645 | 627 | 794 |

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 | 577 | 86 | 101 | 137 | 122 | 95 | 36 |
| 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 | 756,236 | 52,857 | 166,401 | 371,400 | 720,038 | 1,367,396 | 4,065,739 |
| | 613,229 | 61,975 | 140,680 | 286,123 | 573,549 | 1,074,894 | 3,416,886 |
| | 143,007 | -9,117 | 25,722 | 85,277 | 146,489 | 292,501 | 648,853 |
| | 60,809 | 12,238 | 9,317 | 29,508 | 53,788 | 97,860 | 366,434 |
| | -49,447 | -8,728 | -14,107 | -25,194 | -50,811 | -95,297 | -212,552 |
| | 154,368 | -5,608 | 20,932 | 89,591 | 149,467 | 295,064 | 802,735 |
| | 2,573 | 1,742 | 6,747 | 1,220 | 4,535 | 1,082 | -4,716 |
| | 156,941 | -3,866 | 27,679 | 90,811 | 154,002 | 296,146 | 798,019 |
| | 85,468 | -4,054 | 31,208 | 84,106 | 137,389 | 292,048 | 634,548 |
| Profitability (cost) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate | 7.5 % | -2.2 % | 1.8 % | 6.7 % | 7.3 % | 8.7 % | 9.4 % |
| | 10.4 % | -9.7 % | -0.7 % | 9.4 % | 10.0 % | 12.3 % | 13.0 % |
| | 21.6 % | -18.3 % | 7.8 % | 21.2 % | 20.7 % | 24.0 % | 23.3 % |
| | 34.8 % | 12.3 % | 22.4 % | 31.7 % | 35.2 % | 36.1 % | 40.4 % |
| Profitability (market) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate | 7.0 % | -1.0 % | 2.2 % | 5.8 % | 5.9 % | 8.7 % | 9.5 % |
| | 10.4 % | -5.1 % | 1.2 % | 8.1 % | 8.2 % | 13.3 % | 15.4 % |
| | 24.0 % | -10.5 % | 13.3 % | 22.3 % | 21.1 % | 28.8 % | 24.8 % |
| | 29.3 % | 9.7 % | 16.4 % | 25.9 % | 28.1 % | 30.1 % | 38.2 % |
| Liquidity & Repayment (end of year) Current assets Current liabilities Current ratio Working capital Change in working capital Working capital to gross inc Term debt coverage ratio Replacement coverage ratio Term debt to EBITDA | 508,521 | 53,038 | 133,716 | 284,914 | 493,970 | 915,932 | 2,473,309 |
| | 267,890 | 32,367 | 82,689 | 127,803 | 283,041 | 486,929 | 1,253,871 |
| | 1.90 | 1.64 | 1.62 | 2.23 | 1.75 | 1.88 | 1.97 |
| | 240,631 | 20,670 | 51,027 | 157,111 | 210,929 | 429,003 | 1,219,438 |
| | 88,962 | 14,695 | 21,189 | 55,004 | 79,647 | 166,576 | 412,506 |
| | 30.5 % | 33.1 % | 29.8 % | 40.4 % | 28.0 % | 30.3 % | 28.6 % |
| | 2.38 | 1.75 | 1.49 | 2.17 | 2.09 | 2.66 | 2.79 |
| | 1.87 | 1.46 | 1.19 | 1.78 | 1.67 | 1.99 | 2.23 |
| | 2.41 | 17.16 | 5.55 | 2.73 | 2.49 | 2.21 | 1.67 |
| Solvency (end of year at cost) Number of farms Total assets Totalliabilities Net worth Net worth change Farm debt to asset ratio Total debt to asset ratio Change in earned net worth % | 577 | 86 | 101 | 137 | 122 | 95 | 36 |
| | 2,180,463 | 579,723 | 881,367 | 1,359,490 | 2,152,164 | 3,628,937 | 9,046,935 |
| | 914,623 | 282,091 | 407,280 | 579,595 | 942,074 | 1,565,262 | 3,314,031 |
| | 1,265,840 | 297,632 | 474,087 | 779,896 | 1,210,090 | 2,063,675 | 5,732,904 |
| | 148,808 | 36,346 | 47,333 | 83,035 | 131,263 | 262,110 | 712,939 |
| | 45 % | 55 % | 53 % | 47 % | 47 % | 45 % | 38 % |
| | 42 % | 49 % | 46 % | 43 % | 44 % | 43 % | 37 % |
| | 13 % | 14 % | 11 % | 12 % | 12 % | 15 % | 14 % |
| Solvency (end of year at market) Number of farms Total assets Totalliabilities Net worth Total net worth change Farm debt to asset ratio Total debt to asset ratio Change in total net worth % | 577 | 86 | 101 | 137 | 122 | 95 | 36 |
| | 2,572,803 | 712,355 | 1,148,796 | 1,633,540 | 2,667,600 | 4,360,697 | 9,547,443 |
| | 1,128,308 | 313,229 | 479,998 | 684,465 | 1,173,421 | 1,945,802 | 4,273,215 |
| | 1,444,495 | 399,126 | 668,798 | 949,075 | 1,494,179 | 2,414,895 | 5,274,228 |
| | 169,349 | 42,480 | 58,656 | 93,119 | 141,378 | 321,538 | 766,258 |
| | 46 % | 49 % | 46 % | 46 % | 47 % | 46 % | 46 % |
| | 44 % | 44 % | 42 % | 42 % | 44 % | 45 % | 45 % |
| | 13 % | 12 % | 10 % | 11 % | 10 % | 15 % | 17 % |
| Nonfarm Information Net nonfarm income Farms reporting living expenses Total family living expense Total living, invest, cap. purch | 39,596 74 55,350 62,491 | 71,545 6 29,648 37,154 | 50,710 14 41,988 15,454 | 40,762 24 58,677 77,533 | 27,047 20 64,803 79,457 | 18,722 8 57,780 69,466 | 25,260 2 - |
| Crop Acres Total crop acres Total crop acres owned Total crop acres cash rented Total crop acres share rented Machinery value per crop acre | 828 | 123 | 284 | 558 | 985 | 1,467 | 2,859 |
| | 246 | 64 | 130 | 198 | 294 | 412 | 584 |
| | 576 | 58 | 150 | 358 | 670 | 1,047 | 2,275 |
| | 7 | 1 | 4 | 1 | 20 | 8 | - |
| | 608 | 754 | 633 | 497 | 533 | 647 | 702 |

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 - |
| | All Farms | 100 | 250 | 500 | 1,000 | 1,500 | | <u>5,000</u> | 10,000 |
| Number of farms | 577 | 82 | 103 | 113 | 124 | 62 | 36 | 52 | 4 |
| 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 | 756,236 | 313,245 | 272,304 | 444,552 | 625,762 | 1,017,565 | 1,295,641 | 2,449,728 | 2,501,382 |
| | 613,229 | 250,453 | 218,267 | 353,185 | 491,035 | 805,706 | 1,081,634 | 2,043,344 | 1,988,864 |
| | 143,007 | 62,792 | 54,037 | 91,367 | 134,726 | 211,858 | 214,007 | 406,384 | 512,517 |
| | 60,809 | 10,306 | 21,521 | 35,304 | 48,981 | 71,817 | 74,868 | 261,769 | 282,896 |
| | -49,447 | -19,233 | -19,437 | -30,285 | -41,327 | -74,656 | -98,681 | -143,128 | -134,485 |
| | 154,368 | 53,866 | 56,120 | 96,386 | 142,381 | 209,019 | 190,194 | 525,025 | 660,929 |
| | 2,573 | 1,280 | 3,123 | 2,858 | 7,327 | 230 | -576 | -3,349 | 1,540 |
| | 156,941 | 55,146 | 59,244 | 99,244 | 149,708 | 209,249 | 189,618 | 521,676 | 662,468 |
| | 85,468 | 9,124 | 38,098 | 68,818 | 108,350 | 131,753 | 132,022 | 382,825 | 605,594 |
| Profitability (cost) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate | 7.5 % | 5.2 % | 5.6 % | 6.9 % | 7.9 % | 7.4 % | 6.2 % | 9.1 % | 9.5 % |
| | 10.4 % | 6.5 % | 7.5 % | 9.6 % | 11.3 % | 9.9 % | 7.5 % | 12.7 % | 11.7 % |
| | 21.6 % | 21.4 % | 21.6 % | 22.4 % | 23.1 % | 21.4 % | 16.1 % | 23.3 % | 20.8 % |
| | 34.8 % | 24.1 % | 25.7 % | 31.0 % | 34.2 % | 34.5 % | 38.6 % | 39.2 % | 45.5 % |
| Profitability (market) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate | 7.0 % | 5.1 % | 4.5 % | 6.1 % | 7.0 % | 5.7 % | 7.4 % | 9.5 % | 7.7 % |
| | 10.4 % | 6.6 % | 5.8 % | 8.5 % | 10.2 % | 7.8 % | 11.1 % | 15.2 % | 10.8 % |
| | 24.0 % | 27.0 % | 21.7 % | 24.9 % | 24.7 % | 19.3 % | 23.5 % | 27.3 % | 18.0 % |
| | 29.3 % | 18.7 % | 20.8 % | 24.7 % | 28.3 % | 29.7 % | 31.6 % | 34.9 % | 42.8 % |
| Liquidity & Repayment (end of year) Current assets Current liabilities Current ratio Working capital Change in working capital Working capital to gross inc Term debt coverage ratio Replacement coverage ratio Term debt to EBITDA | 508,521 | 165,338 | 134,750 | 244,039 | 400,716 | 641,492 | 923,386 | 1,909,470 | 2,518,875 |
| | 267,890 | 97,515 | 65,025 | 109,345 | 195,376 | 307,582 | 600,091 | 1,000,677 | 1,029,361 |
| | 1,90 | 1,70 | 2.07 | 2.23 | 2.05 | 2.09 | 1.54 | 1.91 | 2.45 |
| | 240,631 | 67,822 | 69,725 | 134,694 | 205,339 | 333,910 | 323,295 | 908,793 | 1,489,514 |
| | 88,962 | 37,726 | 30,383 | 58,456 | 77,302 | 120,235 | 124,774 | 298,348 | 291,190 |
| | 30.5 % | 22.1 % | 24.6 % | 29.2 % | 31.4 % | 32.0 % | 24.7 % | 34.8 % | 55.9 % |
| | 2,38 | 1.62 | 2.22 | 2.21 | 2.47 | 2.31 | 2.07 | 2.96 | 2.72 |
| | 1.87 | 1.44 | 1.93 | 1.82 | 1.92 | 1.86 | 1.63 | 2.15 | 1.77 |
| | 2,41 | 3.92 | 3.55 | 2.97 | 2.61 | 2.41 | 2.15 | 1.61 | 0.77 |
| Solvency (end of year at cost) Number of farms Total assets Totalliabilities Net worth Net worth change Farm debt to asset ratio Total debt to asset ratio Change in earned net worth % | 577 2,180,463 914,623 1,265,840 148,808 45 % 42 % 13 % | 82 1,038,149 521,689 516,460 62,401 52 % 50 % 14 % | 103 1,039,666 454,983 584,683 75,118 50 % 44 % 15 % | 113 1,397,733 610,275 787,458 100,373 47 % 44 % 15 % | 124 1,892,641 811,779 1,080,863 136,241 46 % 43 % 14 % | 62 3,005,532 1,138,167 1,867,365 219,565 42 % 38 % 13 % | 36 3,375,981 1,525,521 1,850,461 160,273 47 % 45 % 9 % | 52 6,161,007 2,369,661 3,791,346 442,556 39 % 38 % 13 % | 6,263,968 1,767,219 4,496,748 478,783 28 % 28 % 12 % |
| 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 % | 577 | 82 | 103 | 113 | 124 | 62 | 36 | 52 | 4 |
| | 2,572,803 | 1,328,445 | 1,246,584 | 1,719,873 | 2,272,936 | 3,437,892 | 4,148,718 | 6,926,194 | 6,659,979 |
| | 1,128,308 | 607,515 | 530,062 | 732,069 | 991,654 | 1,402,468 | 1,942,636 | 3,055,103 | 2,549,210 |
| | 1,444,495 | 720,929 | 716,522 | 987,804 | 1,281,281 | 2,035,424 | 2,206,082 | 3,871,092 | 4,110,769 |
| | 169,349 | 76,799 | 79,449 | 112,670 | 151,273 | 204,209 | 255,369 | 534,897 | 404,032 |
| | 46 % | 47 % | 48 % | 45 % | 46 % | 45 % | 49 % | 45 % | 38 % |
| | 44 % | 46 % | 43 % | 43 % | 44 % | 41 % | 47 % | 44 % | 38 % |
| | 13 % | 12 % | 12 % | 13 % | 13 % | 11 % | 13 % | 16 % | 11 % |
| Nonfarm Information Net nonfarm income Farms reporting living expenses Total family living expense Total living, invest, cap. purch | 39,596 | 45,973 | 51,947 | 35,616 | 36,004 | 35,302 | 46,588 | 23,785 | 36,465 |
| | 74 | 7 | 24 | 16 | 12 | 7 | 4 | 4 | - |
| | 55,350 | 49,361 | 50,935 | 51,503 | 59,591 | 74,403 | 64,184 | 52,813 | - |
| | 62,491 | 25,176 | 50,008 | 73,394 | 60,333 | 110,079 | 86,650 | 58,110 | - |
| Crop Acres Total crop acres Total crop acres owned Total crop acres cash rented Total crop acres share rented Machinery value per crop acre | 828 | 20 | 175 | 361 | 701 | 1,232 | 1,752 | 2,950 | 6,287 |
| | 246 | 15 | 94 | 156 | 244 | 387 | 451 | 770 | 158 |
| | 576 | 6 | 77 | 203 | 456 | 838 | 1,255 | 2,154 | 6,130 |
| | 7 | - | 3 | 2 | 0 | 7 | 45 | 26 | - |
| | 608 | 2,377 | 1,039 | 848 | 648 | 605 | 560 | 533 | 368 |

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 | 577 | 115 | 116 | 116 |
| Sale of Crops | | | | |
| Barley . | 2,086 | 373 | 1,632 | 4,542 |
| Beans, Edible | 12,540 | 12,291 | 4,886 | 27,446 |
| Corn | 76,679 | 34,684 | 70,550 | 165,920 |
| Corn Silage | 1,502 | 51 | 1,386 | 5,234 |
| Hay, Alfalfa | 2,678 | 1,759 | 2,309 | 3,936 |
| Hay, Mixed | 3,337 | 2,226 | 3,627 | 1,075 |
| Organic Crop Enterprises | 98 | 105 | 365 | - |
| Other Forage Crops | 1,568 | 206 | - | 7,596 |
| Potatoes | 7,821 | 292 | - | 35,008 |
| Soybeans | 100,188 | 40,809 | 91,222 | 218,964 |
| Soybeans, Seed | 5,024 | - | 4,647 | 13,240 |
| Sunflowers | 1,517 | - | 2,336 | 2,471 |
| Oats | 996 | 319 | 1,082 | 1,003 |
| Wheat, Spring | 37,474 | 15,660 | 29,580 | 92,428 |
| Grass Seed | 7,988 | 2,522 | 1,604 | 25,080 |
| Other Crop Enterprises | 2,872 | 858 | 2,198 | 8,061 |
| Miscellaneous crop income | 3,799 | 2,345 | 4,419 | 7,786 |
| Total Crop Sales | 268,167 | 114,500 | 221,843 | 619,790 |
| Sale of Livestock | | | | |
| Beef Cow-Calf, Beef Calves | 6,313 | 11,360 | 6,706 | 992 |
| Beef, Backgrounding | 6,098 | 2,971 | 4,112 | 4,455 |
| Beef, Finishing | 22,563 | 15,253 | 8,926 | 62,071 |
| Other Beef Enterprises | 491 | 1,215 | 750 | , - |
| Dairy, Milk | 240,066 | 16,187 | 92,956 | 833,697 |
| Dairy Calves | 2,018 | 110 | 513 | 8,166 |
| Dairy Heifers (for sale) | 931 | 72 | 567 | 2,970 |
| Dairy Feeders & Backgrounding | 2,799 | 1,572 | 3,851 | 1,661 |
| Dairy Finishing | 20,091 | 13,574 | 12,749 | 49,051 |
| Hog and Pig Sales | 2,024 | 281 | 1,751 | 147 |
| Other Livestock Enterprises | 808 | - | 1,928 | 43 |
| Cull breeding livestock | 12,611 | 3,543 | 6,341 | 36,074 |
| Misc. livestock income | 1,550 | 574 | 1,494 | 4,013 |
| Total Livestock & Product Sale | s 318,363 | 66,712 | 142,644 | 1,003,340 |
| Other farm income | | | | |
| Crop government payments | 10,297 | 4,752 | 7,192 | 26,178 |
| Conservation govt payments | 6,161 | 1,536 | 7,861 | 9,823 |
| Livestock govt payments | 4,960 | 1,084 | 3,515 | 12,216 |
| Other government payments | 80,385 | 26,759 | 53,696 | 202,832 |
| Custom work income | 12,359 | 7,102 | 8,738 | 25,422 |
| Patronage dividends, cash | 5,705 | 1,893 | 4,335 | 13,535 |
| Insurance income | 20,667 | 13,249 | 14,794 | 41,163 |
| Contract livestock income | 10,563 | 31,889 | 3,463 | 11,525 |
| Other farm income | 18,609 | 13,303 | 16,233 | 30,293 |
| Total Other Farm Income | 169,706 | 101,567 | 119,827 | 372,987 |
| | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | ,, |
| Gross Cash Farm Income | 756,236 | 282,779 | 484,314 | 1,996,117 |
| C. 100 Cach Lami moonio | 100,200 | 202,110 | .0-1,01-1 | 1,000,117 |

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

| | <u>Average</u> | Low 20% | 40 - 60% | High 20% |
|--|-----------------|-----------------|-------------------------------|------------------|
| Number of farms | 577 | 115 | 116 | 116 |
| Direct Crop Expense | | | | |
| Seed | 48,267 | 20,380 | 39,636 | 110,577 |
| Fertilizer | 61,759 | 24,645 | 46,498 | 150,199 |
| Crop chemicals | 27,485 | 13,582 | 22,284 | 63,218 |
| Crop insurance | 10,406 | 4,338 | 8,313 | 23,923 |
| Drying Expense | 2,480 | 871 | 2,006 | 6,503 |
| Other direct crop expenses | 6,843 | 3,047 | 4,880 | 16,176 |
| Total Direct Crop Expense | 157,240 | 66,863 | 123,617 | 370,596 |
| Direct Livestock Expense | 24.4-2 | 44 =00 | | 40.000 |
| Feeder livestock purchase | 21,176 | 11,703 | 9,310 | 40,859 |
| Purchased feed | 104,315 | 26,352 | 42,128 | 328,482 |
| Breeding fees | 3,802 8,212 | 854 3,485 | 1,021 3,343 | 13,612 24,983 |
| Veterinary Supplies | 9,243 | 2,100 | 4,309 | 28,914 |
| Contract production exp. | 5,532 | 5,763 | 667 | 17,266 |
| Livestock hauling and trucking | 7,527 | 1,192 | 4,427 | 24,981 |
| Livestock marketing | 5,252 | 1,703 | 3,468 | 15,236 |
| Bedding | 5,249 | 2,090 | 1,939 | 15,861 |
| Other livestock expenses | 2,077 | 504 | 1,245 | 5,949 |
| Total Direct Livestock Expense | 172,385 | 55,746 | 71,857 | 516,143 |
| Other Farm Expense | | | | |
| Interest | 38,260 | 27,022 | 32,147 | 71,614 |
| Fuel & oil | 23,332 | 12,009 | 16,929 | 52,910 |
| Repairs | 53,745 | 29,130 | 37,752 | 122,378 |
| Custom hire | 19,109 | 8,677 | 9,084 | 50,774 |
| Hired labor | 38,899 | 10,227 | 13,507 | 133,395 |
| Land rent | 60,099 | 25,619 | 39,803 | 160,282 |
| Machinery & bldg leases | 9,569 6,005 | 5,825 4,337 | 6,418 5,862 | 22,846 9,665 |
| Real estate taxes Farm insurance | 10,500 | 5,803 | 8,358 | 21,660 |
| Utilities | 12,496 | 5,956 | 8,620 | 29,399 |
| Dues & professional fees | 4,531 | 2,655 | 3,374 | 9,396 |
| Miscellaneous | 7,059 | 5,397 | 6,052 | 13,565 |
| Total Other Farm Expense | 283,604 | 142,657 | 187,906 | 697,884 |
| Total cash expense | 613,229 | 265,266 | 383,380 | 1,584,623 |
| Net cash farm income | 143,007 | 17,513 | 100,934 | 411,494 |
| Inventory Changes | | | | |
| Prepaids and supplies | 14,979 | 1,463 | 6,277 | 46,044 |
| Accounts receivable | -5,313 | -1,271 | -4,323 | -18,990 |
| Hedging acct. & Oth Cur Assets | -9,047 | -2,929 | -3,927 | -35,841 |
| Crops and feed | 35,687 | -26,498 | 14,302 | 142,332 |
| Market livestock | 1,718 | -10,560 | 1,176 | 10,351 |
| Breeding livestock | 6,117 13,117 | 765 5,341 | - <mark>3,035</mark> 5,042 | 37,693 38,770 |
| Accounts payable Accrued Interest & other assets | 3,550 | 3,148 | 5,042 5,288 | 5,601 |
| Total inventory change | 60,808 | -30,540 | 20,799 | 225,961 |
| Net operating profit | 203,815 | -13,027 | 121,733 | 637,455 |
| | ,. | - /- | , | |
| Depreciation Machinery and equipment | -39,956 | -19,663 | -26,551 | -87,154 |
| Titled vehicles | -3,995 | -4,243 | -2,984 | -6,736 |
| Buildings and improvements | -9,496 | -3,500 | -5,203 | -25,088 |
| Total depreciation | -49,447 | -27,406 | -34,738 | -118,979 |
| Net farm income from operations | 154,368 | -40,433 | 86,995 | 518,476 |
| Gain or loss on capital sales | 2,573 | -1,283 | 663 | 11,337 |
| Net farm income | 156,941 | -41,716 | 87,658 | 529,813 |
| 2020 Northern Minnesote Annual Benert | Page 12 | Form Pusiness M | | tion December |

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

| | Avg. Of <u>All Farms</u> | Low 20% | 40 - 60% | <u> High 20%</u> |
|---|-----------------------------|------------------|-------------------|--------------------|
| Number of farms | 577 | 115 | 116 | 116 |
| Assets | | | | |
| Current Farm Assets | 50 570 | 04.504 | 05 550 | 400.040 |
| Cash and checking balance | 50,576 | 21,594 | 35,550 36,330 | 133,642 150,502 |
| Prepaid expenses & supplies Growing crops | 47,536 2,406 | 9,684 510 | 26,320 533 | 10,031 |
| Accounts receivable | 34,294 | 15,874 | 24,343 | 77,567 |
| Hedging accounts | 1,719 | 805 | 1,577 | 4,676 |
| Crops held for sale or feed | 302,510 | 101,604 | 205,331 | 799,227 |
| Crops under government loan | <u>.</u> | - | - | <u>-</u> |
| Market livestock held for sale | 67,986 | 30,219 | 37,296 | 178,440 |
| Other current assets | 1,494 508 531 | 1,149 181 440 | 1,096 | 2,210 |
| Total current farm assets | 508,521 | 181,440 | 332,046 | 1,356,296 |
| Intermediate Farm Assets | | | | |
| Breeding livestock | 165,936 | 65,187 | 85,624 | 480,367 |
| Machinery and equipment | 431,187 37,425 | 234,076 | 294,216 27,038 | 1,046,734 |
| Titled vehicles Other intermediate assets | 37,425 33,036 | 32,709 9,437 | 27,038 9,826 | 66,792 97,619 |
| Total intermediate farm assets | 667,584 | 341,409 | 416,703 | 1,691,512 |
| Total intollinguate falli accord | 007,001 | 011,100 | 110,700 | 1,001,012 |
| Long Term Farm Assets | 544.470 | 050.004 | 100 110 | 205.000 |
| Farm land | 511,179 | 353,634 | 462,118 | 925,698 |
| Buildings and improvements Other long-term assets | 244,441 41,248 | 97,862 18,201 | 148,289 30,827 | 589,332 109,794 |
| Total long-term farm assets | 796,868 | 469,698 | 641,234 | 1,624,824 |
| Total Farm Assets | 1,972,973 | 992,547 | 1,389,984 | 4,672,632 |
| Total Nonfarm Assets | 207,490 | 169,678 | 224,597 | 248,701 |
| Total Assets | 2,180,463 | 1,162,225 | 1,614,581 | 4,921,333 |
| Liabilities | | | | |
| Current Farm Liabilities | | | | |
| Accrued interest | 8,364 | 6,424 | 8,086 | 15,034 |
| Accounts payable | 20,425 | 17,070 | 12,958 | 39,124 |
| Current notes | 176,496 | 102,139 | 124,757 | 414,644 |
| Government crop loans | - | - | - | - |
| Principal due on term debt | 62,605 | 36,694 | 47,223 | 135,612 |
| Total current farm liabilities | 267,890 | 162,327 | 193,023 | 604,414 |
| Total intermediate farm liabs | 162,626 | 108,203 | 117,834 | 346,772 |
| Total long term farm liabilities | 448,178 | 311,873 | 368,613 | 754,561 |
| Total farm liabilities | 878,694 | 582,403 | 679,471 | 1,705,747 |
| Total nonfarm liabilities | 35,929 | 41,998 | 42,641 | 18,621 |
| Total liabilities | 914,623 | 624,401 | 722,112 | 1,724,368 |
| Net worth (farm and nonfarm) | 1,265,840 | 537,824 | 892,469 | 3,196,965 |
| Net worth change | 148,808 | -6,568 | 85,956 | 467,862 |
| Percent net worth change | 13 % | -1 % | 11 % | 17 % |
| Ratio Analysis | | | | |
| Current farm liabilities / assets | 53 % | 89 % | 58 % | 45 % |
| Intermediate farm liab. / assets | 24 % | 32 % | 28 % | 21 % |
| Long term farm liab. / assets | 56 % | 66 % | 57 % | 46 % |
| Total debt to asset ratio | 42 % | 54 % | 45 % | 35 % |
| | | | | |

Balance Sheet at Market 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 | 577 | 115 | 116 | 116 |
| 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 | 50,576 | 21,594 | 35,550 | 133,642 |
| | 47,536 | 9,684 | 26,320 | 150,502 |
| | 2,406 | 510 | 533 | 10,031 |
| | 34,294 | 15,874 | 24,343 | 77,567 |
| | 1,719 | 805 | 1,577 | 4,676 |
| | 302,510 | 101,604 | 205,331 | 799,227 |
| | 67,986 | 30,219 | 37,296 | 178,440 |
| | 1,494 | 1,149 | 1,096 | 2,210 |
| | 508,521 | 181,440 | 332,046 | 1,356,296 |
| Intermediate Farm Assets Breeding livestock Machinery and equipment Titled vehicles Other intermediate assets Total intermediate farm assets | 167,888 | 66,387 | 86,989 | 485,669 |
| | 506,286 | 291,935 | 364,711 | 1,195,519 |
| | 42,420 | 38,507 | 31,383 | 72,729 |
| | 33,034 | 10,193 | 10,765 | 97,551 |
| | 749,628 | 407,022 | 493,847 | 1,851,467 |
| Long Term Farm Assets Farm land Buildings and improvements Other long-term assets Total long-term farm assets Total Farm Assets | 772,176 | 571,256 | 702,120 | 1,257,319 |
| | 270,037 | 120,448 | 162,124 | 627,495 |
| | 44,342 | 19,000 | 37,438 | 112,466 |
| | 1,086,555 | 710,704 | 901,681 | 1,997,280 |
| | 2,344,704 | 1,299,166 | 1,727,575 | 5,205,043 |
| Total Nonfarm Assets | 228,098 | 185,770 | 245,518 | 265,807 |
| Total Assets | 2,572,803 | 1,484,936 | 1,973,093 | 5,470,850 |
| Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities | 8,364 20,425 176,496 62,605 267,890 | 6,424 17,070 102,139 - 36,694 162,327 | 8,086 12,958 124,757 - 47,223 193,023 | 15,034 39,124 414,644 - 135,612 604,414 |
| Total intermediate farm liabs | 162,626 | 108,203 | 117,834 | 346,772 |
| Total long term farm liabilities | 448,178 | 311,873 | 368,613 | 754,561 |
| Total farm liabilities | 878,694 | 582,403 | 679,471 | 1,705,747 |
| Total nonfarm liabilities | 35,929 | 41,998 | 42,641 | 18,621 |
| Total liabs excluding deferreds | 914,623 | 624,401 | 722,112 | 1,724,368 |
| Total deferred liabilities | 213,684 | 93,874 | 144,424 | 528,122 |
| Total liabilities | 1,128,308 | 718,274 | 866,536 | 2,252,490 |
| Retained earnings Market valuation equity Net worth (farm and nonfarm) Net worth excluding deferreds Net worth change Percent net worth change | 1,265,840 | 537,824 | 892,469 | 3,196,965 |
| | 178,656 | 228,837 | 214,089 | 21,395 |
| | 1,444,495 | 766,661 | 1,106,557 | 3,218,360 |
| | 1,658,180 | 860,535 | 1,250,981 | 3,746,482 |
| | 169,349 | 25,796 | 98,499 | 492,408 |
| | 13 % | 3 % | 10 % | 18 % |
| 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 | 53 % | 89 % | 58 % | 45 % |
| | 22 % | 27 % | 24 % | 19 % |
| | 41 % | 44 % | 41 % | 38 % |
| | 44 % | 48 % | 44 % | 41 % |
| | 36 % | 42 % | 37 % | 32 % |

Financial Guideline Measures

The Farm Financial Standards Task Force recommended the use of these financial measures to evaluate a farm's financial position and financial performance. These measures are grouped by: Liquidity, Solvency, Profitability, Repayment Capacity, and Efficiency.

Liquidity

Liquidity is the ability of the farm business to meet financial obligations in a timely manner, without disrupting normal business operations.

Current Ratio: The current ratio shows the value of current assets relative to current liabilities. It measures the extent current farm assets, if liquidated, would cover liabilities that are due during the next 12 months. The higher the ratio, the safer the short term position.

Working Capital: Working capital shows the dollar amount that current assets can or cannot cover current liabilities. It approximates the amount of capital available to purchase crop and livestock inputs and equipment necessary to produce farm products. The amount of working capital considered adequate must be related to the size of the farm business.

Working Capital to Gross Revenues: Measures operating capital available against the size of the business.

SolvencySolvency is important in evaluating the risk position of the farm and family and in considering future borrowing capacity. Solvency measures the ability of the business to pay off all debts if liquidated.

Farm Debt to Asset Ratio: The farm debt to asset ratio measures the financial position or solvency of the farm or ranch by comparing the total liabilities to the total assets. It measures the portion of the farm assets that have debt against them. A higher ratio is considered an indicator of greater financial risk.

Farm Equity to Asset Ratio: The farm equity to asset ratio measures the farm equity relative to the value of the farm assets. It measures the proportion of the farm assets financed by the owner's equity whereas the debt to asset ratio measured the proportion of farm assets financed by debt.

Farm Debt to Equity Ratio: The farm debt to equity ratio measures the amount of farm debt relative to the amount of farm equity. It measures the amount of debt the farm has for every dollar of equity.

Profitability

Profitability is the measure of the value of goods produced by the business in relation to the cost of resources used in the production. Profitability calculated on a cost basis does not consider changes in market valuation of capital assets such as machinery and breeding livestock.

Rate of Return on Assets: Rate of return on assets is, in effect, the interest rate your farm earned in the past year on all money invested in the business. If assets are valued at market value, the rate of return on investment can be looked at as the "opportunity cost" of investing money in the farm instead of alternative investments. If assets are valued at cost (cost less depreciation), the rate of return represents the actual return on the average dollar invested in the business.

Rate of Return on Equity: Rate of return on equity is, in effect, the interest rate your investment in the business earned in the past year. If assets are valued at market value, this return can be compared with returns available if the assets were liquidated and invested in alternative investments. If assets are valued at cost, this represents the actual return to the amount of equity capital you have invested in the farm business.

If your return on assets is higher than your average interest rate, your return on equity will be still higher, reflecting the fact that there are residual returns to equity capital after paying all interest expense. This is positive use of financial leverage. If your return on assets is lower than your average interest rate, your return on equity will be still lower, reflecting the fact that borrowed capital did not earn enough to pay its interest cost. This is negative financial leverage. Profitability becomes a key concern when substantial debt capital is used in the business.

Financial Guideline Measures

Net Farm Income: Net farm income represents the returns to labor, management, and equity capital invested in the business. Without income from other sources, or appreciation of capital asset values, net farm income must cover family living expenses and taxes, or net worth will decrease.

Operating Profit Margin: The operating profit margin is a measure of the profit margin from the employment of assets. It measures how effectively you are employing assets relative to the value of output produced. Low prices, high operating expenses, or production problems are all possible causes of a low operating profit margin.

EBITDA: This factor stands for: <u>Earnings Before Interest</u>, <u>Taxes</u>, <u>Depreciation and <u>Amortization</u>. This represents a measure of earnings available for debt repayment.</u>

Repayment Capacity

Repayment capacity shows the borrower's ability to repay term debts (longer than one year) on time. This includes non-farm income, and is therefore not a measure of business performance alone.

Capital Debt Repayment Capacity: Measures the amount generated from farm and non-farm sources, to cover debt repayment and capital replacement.

Capital Debt Repayment Margin: The amount of money remaining after all operating expenses, taxes, family living costs, and scheduled debt payments have been made. It is the money left, after paying all expenses, which is available for purchasing/financing new machinery, equipment, land or livestock.

Replacement Margin: The replacement margin is the amount of income remaining after paying principal and interest on term loans and unfunded (cash) capital purchases.

Term Debt Coverage Ratio: The term debt coverage ratio measures the ability of the business to cover all term debt payments. A number less than 100 percent indicates that the business, plus non-farm income, is not generating sufficient cash to meet all of the debt payments, after family living expenses and taxes have been paid. A number greater than 100 indicates the business is generating sufficient cash to pay all term debt obligations with some surplus margin remaining.

Replacement Margin Coverage Ratio: This represents the ability to term debt and unfunded capital purchases. A ratio under 1.0 indicated that you did not generate enough income to cover term debt payments and unfunded capital purchases.

Efficiency

These measures reflect the relationships between expense and income items to revenue and the efficiency of the farm business with regard to the use of cash and capital assets.

Asset Turnover: Asset turnover is a measure of how efficiently assets are used in the business. A farm with good operating profit margin and asset turnover will show a strong rate of return on farm assets. If operating profit margin is low, the asset turnover rate must be strong, or vice versa, to maintain the rate of return on assets.

Operating Expense Ratio: This ratio indicates the percent of the gross farm income, which is used to pay the operating expenses. Operating expenses do not include interest or depreciation expense.

Depreciation Expense Ratio: This ratio indicates the percent of the gross farm income, which is used to cover the depreciation expense.

Interest Expense Ratio: This ratio indicates the percent of the gross farm income, which is used to pay farm interest expenses.

Net Farm Income Ratio: The ratio indicates the percent of the gross farm income, which remains after all expenses.

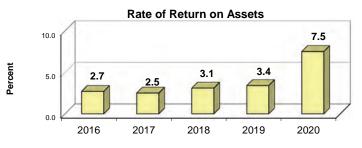
Financial Standards Measures Northern Minnesota Farm Business Management Data (Farms Sorted By Net Farm Income)

| | Avg. Of | | 40 000/ | III I 000/ |
|---------------------------------|-----------|----------------|-----------------|-----------------|
| | All Farms | <u>Low 20%</u> | <u>40 - 60%</u> | <u>High 20%</u> |
| Number of farms | 577 | 115 | 116 | 116 |
| Liquidity | | | | |
| Current ratio | 1.90 | 1.12 | 1.72 | 2.24 |
| Working capital | 240,631 | 19,112 | 139,023 | 751,881 |
| Working capital to gross inc | 30.5% | 7.8% | 28.3% | 35.0% |
| Solvency (market) | | | | |
| Farm debt to asset ratio | 46% | 52% | 48% | 43% |
| Farm equity to asset ratio | 54% | 48% | 52% | 57% |
| Farm debt to equity ratio | 0.87 | 1.08 | 0.91 | 0.75 |
| Profitability (cost) | | | | |
| Rate of return on farm assets | 7.5% | -4.1% | 5.6% | 11.0% |
| Rate of return on farm equity | 10.4% | -15.8% | 7.0% | 15.4% |
| Operating profit margin | 21.6% | -19.9% | 17.4% | 27.7% |
| Net farm income | 156,941 | -41,716 | 87,658 | 529,813 |
| EBITDA | 240,168 | 12,775 | 150,559 | 706,138 |
| Repayment Capacity | | | | |
| Capital debt repayment capacity | 211,654 | 25,646 | 125,097 | 616,381 |
| Capital debt repayment margin | 122,600 | -30,304 | 57,764 | 430,288 |
| Replacement margin | 98,699 | -44,511 | 41,986 | 371,492 |
| Term debt coverage ratio | 2.38 | 0.46 | 1.86 | 3.31 |
| Replacement coverage ratio | 1.87 | 0.37 | 1.51 | 2.52 |
| Efficiency | | | | |
| Asset turnover rate (cost) | 34.8% | 20.5% | 32.3% | 39.8% |
| Operating expense ratio | 69.6% | 94.8% | 69.3% | 67.1% |
| Depreciation expense ratio | 6.3% | 11.2% | 7.1% | 5.5% |
| Interest expense ratio | 4.6% | 10.5% | 5.9% | 3.2% |
| Net farm income ratio | 19.5% | -16.5% | 17.7% | 24.1% |

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







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 21 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 shapshot 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.

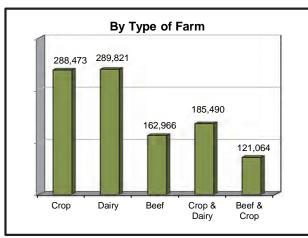
For additional information, please see the back cover of this report. A "Financial Scorecard" is provided in color for your use.

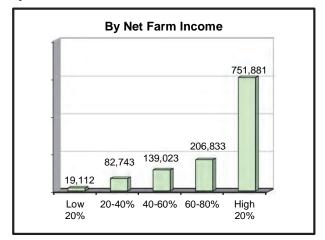
| Evaluation Chart | | Low | Farms | Ave | Average High Farms | | Farms | You | r Farm |
|---------------------------------------|----|---------|----------|---------|--------------------|---------|----------|------|----------|
| | | 2020 | 5 Yr Ave | 2020 | 5 Yr Ave | 2020 | 5 Yr Ave | 2020 | 5 Yr Ave |
| <u>Liquidity</u> | | | | | | | | | |
| Current Ratio | | 1.12 | 1.06 | 1.9 | 1.62 | 2.24 | 2.11 | | |
| Working Capital | \$ | 19,112 | 15,836 | 240,631 | 161,294 | 751,881 | 535,363 | | |
| Working Capital to Gross Inc. | % | 7.8% | 3.8% | 30.5% | 25.0% | 35.0% | 34.9% | | |
| Solvency (Market) | | | | | | | | | |
| Farm Debt to Asset Ratio | % | 52% | 56% | 46% | 47% | 43% | 41% | | |
| Farm Equity to Asset Ratio | % | 48% | 44% | 54% | 53% | 57% | 59% | | |
| Farm Debt to Equity Ratio | % | 1.08 | 1.27 | 0.87 | 0.88 | 0.75 | 0.71 | | |
| Profitability (Cost) | | | | | | | | | |
| Rate of Return on Farm Assets | % | -4.1% | -4.7% | 7.5% | 3.8% | 11.0% | 8.5% | | |
| Rate of Return on Farm Equity | % | -15.8% | -17.6% | 10.4% | 3.5% | 15.4% | 11.1% | | |
| Operating Profit Margin | % | -19.9% | -21.6% | 21.6% | 12.0% | 27.7% | 23.0% | | |
| Net Farm Income | \$ | -41,716 | -80,572 | 156,941 | 80,391 | 529,813 | 344,471 | | |
| EBIDTA | \$ | 12,775 | 7,055 | 240,168 | 156,942 | 706,138 | 480,522 | | |
| Repayment Capacity (Accrual) | | | | | | | | | |
| Capital Debt Repayment Cap. | \$ | 25,646 | -5,098 | 211,654 | 123,784 | 616,381 | 389,917 | | |
| Capital Debt Repayment Margin | \$ | -30,304 | -91,894 | 122,600 | 41,172 | 430,288 | 241,099 | | |
| Replacement Margin | \$ | -44,511 | -109,426 | 98,699 | 21,115 | 371,492 | 196,078 | | |
| Term Debt Coverage Ratio | | 0.46 | -0.02 | 2.38 | 1.48 | 3.31 | 2.58 | | |
| Replacement Coverage Ratio | | 0.37 | -0.02 | 1.87 | 1.19 | 2.52 | 1.98 | | |
| Efficiency | | | | | | | | | |
| Efficiency Asset Turnover Rate (Cost) | % | 20.5% | 21.9% | 34.8% | 31.2% | 39.8% | 36.6% | | |
| Operating Expense Ratio | % | 94.8% | 98.1% | 69.6% | 75.7% | 67.1% | 68.8% | | |
| Depreciation Expense Ratio | % | 11.2% | 10.2% | 6.3% | 7.2% | 5.5% | 6.2% | | |
| Interest Expense Ratio | % | 10.5% | 9.3% | 4.6% | 5.2% | 3.2% | 3.6% | | <u> </u> |
| Net Farm Income Ratio | % | -16.5% | -18.4% | 19.5% | 11.8% | 24.1% | 21.6% | | <u> </u> |

Selected Financial Guideline Measures

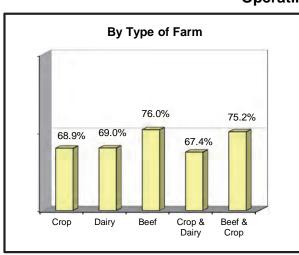
Northern Minnesota Farm Business Management Data

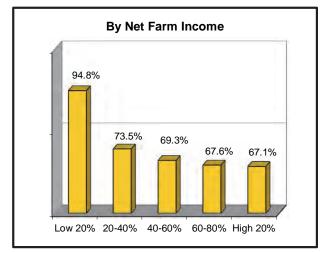
Working Capital



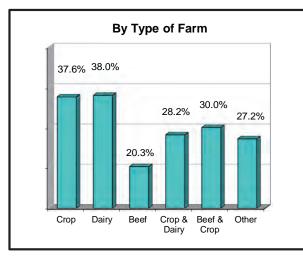


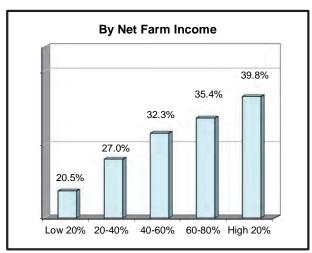
Operating Expense Ratio





Asset Turnover Rate



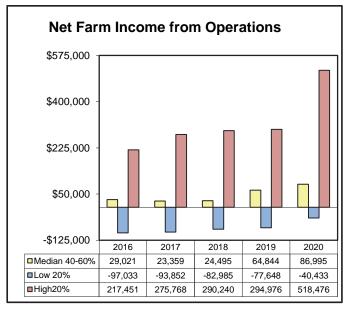


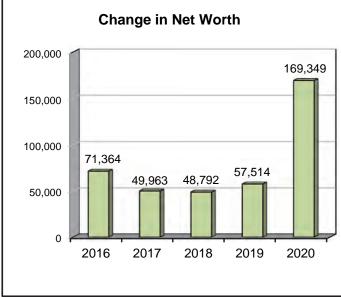
Profitability Measures Northern Minnesota Farm Business Management Data (Farms Sorted By Net Farm Income)

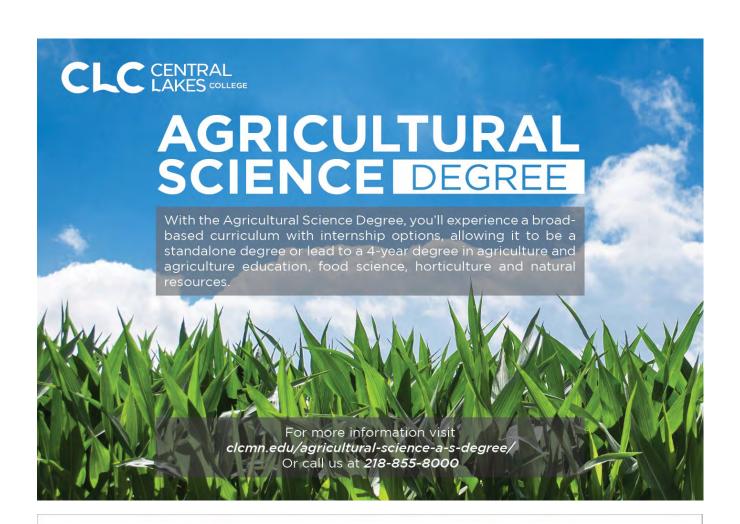
| | Avg. Of All Farms | Low 20% | 40 - 60% | High 20% |
|---|----------------------|----------------------|---------------------|----------------------|
| Number of farms | 577 | 115 | 116 | 116 |
| | | | | |
| Profitability (assets valued at cost) | 454.000 | 40.400 | 00.005 | 540.470 |
| Net farm income from operations | 154,368 | -40,433 | 86,995 | 518,476 |
| Rate of return on assets | 7.5 % | -4.1 % | 5.6 % | 11.0 % |
| Rate of return on equity | 10.4 % | -15.8 % | 7.0 % | 15.4 % |
| Operating profit margin | 21.6 % | -19.9 % | 17.4 % | 27.7 % |
| Asset turnover rate | 34.8 % | 20.5 % | 32.3 % | 39.8 % |
| Farm interest expense | 36,352 | 25,802 | 28,826 | 68,683 |
| Value of operator lbr and mgmt. | 47,569 | 26,464 | 39,655 | 94,852 |
| Return on farm assets | 143,152 | -41,095 | 76,166 | 492,307 |
| Average farm assets | 1,905,405 | 1,004,223 | 1,357,541 | 4,456,432 |
| Return on farm equity | 106,799 | -66,896 | 47,340 | 423,624 |
| Average farm equity | 1,028,922 | 422,080 | 676,584 | 2,749,992 |
| Value of farm production | 663,477 | 206,349 | 438,059 | 1,775,802 |
| | | | | |
| | Avg. Of | | | |
| | All Farms | Low 20% | 40 - 60% | High 20% |
| Number of farms | 577 | 115 | 116 | 116 |
| Profitability (assets valued at market) | | | | |
| Net farm income from operations | 170,576 | -11,638 | 94,827 | 540,865 |
| Rate of return on assets | 7.0 % | -0.9 % | 5.0 % | 10.4 % |
| Rate of return on equity | 10.4 % | -6.1 % | 6.4 % | 16.2 % |
| Operating profit margin | 24.0 % | -6.0 % | 19.2 % | 29.0 % |
| Asset turnover rate | 29.3 % | 15.9 % | 25.9 % | 35.8 % |
| Farm interest expense | 36,352 | 25,802 | 28,826 | 68,683 |
| Value of operator lbr and mgmt. | 47,569 | 26,464 | 39,655 | 94,852 |
| Return on farm assets | | 20.404 | | |
| 1 Ctarri ori rarrii associs | | | | |
| | 159,360 | -12,300 | 83,999 | 514,697 |
| Average farm assets | 159,360 2,263,098 | -12,300 1,300,143 | 83,999 1,688,568 | 514,697 4,961,043 |
| | 159,360 | -12,300 | 83,999 | 514,697 |

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

| | Avg. Of <u>All Farms</u> | Low 20% | <u>40 - 60%</u> | <u> High 20%</u> |
|---------------------------------|-----------------------------|---------|-----------------|------------------|
| Number of farms | 577 | 115 | 116 | 116 |
| Liquidity | | | | |
| Current ratio | 1.9 | 1.12 | 1.72 | 2.24 |
| Working capital | 240,631 | 19,112 | 139,023 | 751,881 |
| Working capital to gross inc. | 30.50% | 7.80% | 28.30% | 35.00% |
| Current assets | 508,521 | 181,440 | 332,046 | 1,356,296 |
| Current liabilities | 267,890 | 162,327 | 193,023 | 604,414 |
| Gross revenues (accrual) | 789,932 | 245,111 | 490,690 | 2,146,999 |
| Repayment capacity | | | | |
| Net farm income from operations | 154,368 | -40,433 | 86,995 | 518,476 |
| Depreciation | 49,447 | 27,406 | 34,738 | 118,979 |
| Personal income | 39,596 | 66,465 | 34,379 | 19,713 |
| Family living/owner withdrawals | -50,655 | -38,926 | -43,739 | -80,306 |
| Cash discrepancy | -2 | 8 | 12 | -32 |
| Payments on personal debt | -3,269 | -4,130 | -3,786 | -1,905 |
| Income taxes paid | -6,550 | -3,940 | -5,830 | -14,302 |
| Interest on term debt | 28,719 | 19,195 | 22,328 | 55,759 |
| Capital debt repayment capacity | 211,654 | 25,646 | 125,097 | 616,381 |
| Scheduled term debt payments | -89,054 | -55,950 | -67,333 | -186,093 |
| Capital debt repayment margin | 122,600 | -30,304 | 57,764 | 430,288 |
| Cash replacement allowance | -23,900 | -14,207 | -15,778 | -58,796 |
| Replacement margin | 98,699 | -44,511 | 41,986 | 371,492 |
| Term debt coverage ratio | 2.38 | 0.46 | 1.86 | 3.31 |
| Replacement coverage ratio | 1.87 | 0.37 | 1.51 | 2.52 |









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

| | Avg. Of All Farms | <u>Low 20%</u> | 40 - 60% | High 20% |
|------------------------------------|----------------------|----------------|----------|----------|
| Number of farms | 74 | 12 | 20 | 13 |
| Average family size | 3.5 | 2.1 | 3.8 | 4.3 |
| Family Living Expenses | | | | |
| Food and meals expense | 9,234 | 5,008 | 11,051 | 10,133 |
| Medical care | 3,085 | 1,663 | 2,954 | 4,300 |
| Health insurance | 3,315 | 555 | 3,415 | 6,165 |
| Cash donations | 1,299 | 1,074 | 878 | 1,077 |
| Household supplies | 5,139 | 1,862 | 6,358 | 8,583 |
| Clothing | 1,831 | 468 | 1,453 | 2,736 |
| Personal care | 3,021 | 2,104 | 2,641 | 5,966 |
| Child / Dependent care | 610 | 211 | 88 | 857 |
| Alimony and child support | 155 | - | - | 590 |
| Gifts | 1,676 | 2,971 | 1,848 | 1,367 |
| Education | 1,126 | 210 | 2,099 | 1,578 |
| Recreation | 3,007 | 1,333 | 3,957 | 1,471 |
| Utilities (household share) | 2,354 | 2,167 | 2,346 | 1,906 |
| Personal vehicle operating exp | 3,077 | 2,447 | 2,939 | 3,775 |
| Household real estate taxes | 230 | 65 | 292 | 213 |
| Dwelling rent | 466 | 32 | 170 | - |
| Household repairs | 2,532 | 1,072 | 2,735 | 2,032 |
| Personal interest | 1,515 | 3,042 | 2,512 | 343 |
| Disability / Long term care ins | 379 | 178 | 112 | 48 |
| Life insurance payments | 2,946 | 1,129 | 3,525 | 5,646 |
| Personal property insurance | 418 | 1,207 | 201 | 302 |
| Miscellaneous | 7,514 | 10,004 | 4,438 | 7,711 |
| Total cash family living expense | 54,928 | 38,803 | 56,009 | 66,800 |
| Family living from the farm | 422 | 350 | 664 | 457 |
| Total family living | 55,350 | 39,153 | 56,673 | 67,257 |
| Other Nonfarm Expenditures | | | | |
| Income taxes | 6,495 | 3,163 | 5,385 | 8,868 |
| Furnishing & appliance purchases | - | - | - | - |
| Nonfarm vehicle purchases | 1,987 | 521 | 533 | 2,533 |
| Nonfarm real estate purchases | -7,266 | -37,517 | 532 | 796 |
| Other nonfarm capital purchases | 676 | - | 800 | 1,000 |
| Nonfarm savings & investments | 5,670 | -1,370 | 15,543 | 5,233 |
| Total other nonfarm expenditures | 7,562 | -35,204 | 22,793 | 18,430 |
| Total cash family living | | | | |
| investment & nonfarm capital purch | 62,491 | 3,599 | 78,802 | 85,230 |

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 | 577 | 115 | 116 | 116 |
| Nonfarm Income | | | | |
| Personal wages & salary | 25,984 | 47,026 | 22,495 | 8,532 |
| Net nonfarm business income | 4,662 | 7,686 | 1,564 | 3,523 |
| Personal rental income | 831 | 852 | 325 | 1,948 |
| Personal interest income | 234 | 8 | 128 | 240 |
| Personal cash dividends | 455 | 978 | 759 | 145 |
| Tax refunds | 1,964 | 3,327 | 1,864 | 1,113 |
| Other nonfarm income | 5,465 | 6,586 | 7,244 | 4,211 |
| Total nonfarm income | 39,596 | 66,465 | 34,379 | 19,713 |
| Gifts and inheritances | 2,766 | 4,945 | 2,728 | 1,666 |
| Nonfarm Assets (market) | | | | |
| Checking & savings | 10,332 | 9,485 | 10,434 | 10,963 |
| Stocks & bonds | 7,996 | 5,283 | 9,754 | 14,492 |
| Other current assets | 2,598 | 1,771 | 2,838 | 5,804 |
| Furniture & appliances | 8,036 | 9,896 | 7,923 | 4,556 |
| Nonfarm vehicles | 16,447 | 16,506 | 16,008 | 15,347 |
| Cash value of life ins. | 5,674 | 3,269 | 6,845 | 4,949 |
| Retirement accounts | 68,131 | 59,948 | 82,538 | 62,127 |
| Other intermediate assets | 5,139 | 4,820 | 3,133 | 6,334 |
| Nonfarm real estate | 78,082 | 66,353 | 87,878 | 73,150 |
| Personal bus. investment | 19,158 | 3,059 | 4,231 | 65,648 |
| Other long term assets | 6,506 | 5,378 | 13,937 | 2,437 |
| Total nonfarm assets | 228,098 | 185,770 | 245,518 | 265,807 |
| Nonfarm Liabilities | | | | |
| Accrued interest | 134 | 253 | 91 | 33 |
| Accounts payable | 582 | 1,333 | 349 | 216 |
| Current notes | 1,087 | 2,920 | 806 | 378 |
| Princ due on term debt | 3,201 | 4,216 | 3,550 | 1,566 |
| Total current liabilities | 6,366 | 8,971 | 5,472 | 5,821 |
| Intermediate liabilities | 5,770 | 8,147 | 4,933 | 1,610 |
| Long term liabilities | 23,794 | 24,881 | 32,236 | 11,190 |
| Total nonfarm liabilities | 35,929 | 41,998 | 42,641 | 18,621 |
| Nonfarm net worth | 192,169 | 143,772 | 202,877 | 247,186 |
| Nonfarm debt to asset ratio | 16 % | 23 % | 17 % | 7 % |

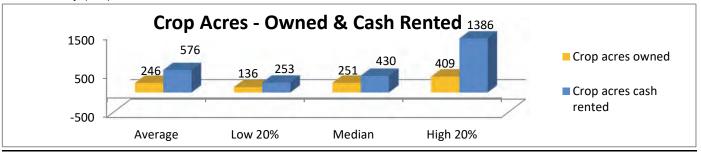
Operator and Labor Information Northern Minnesota Farm Business Management Data (Farms Sorted By Net Farm Income)

| | Avg. Of | | | |
|---------------------------------|-----------|-----------|-----------|-----------|
| | All Farms | Low 20% | 40 - 60% | High 20% |
| Number of farms | 577 | 115 | 116 | 116 |
| Operator Information | | | | |
| Average number of operators | 1.2 | 1.1 | 1.1 | 1.7 |
| Average age of operators | 46.8 | 47.9 | 45.7 | 47.9 |
| Average number of years farming | 22.1 | 21.7 | 22.0 | 24.1 |
| Results Per Operator | | | | |
| Working capital | 195,246 | 17,569 | 122,683 | 454,735 |
| Total assets (market) | 2,087,548 | 1,365,049 | 1,741,185 | 3,308,752 |
| Total liabilities | 915,498 | 660,284 | 764,687 | 1,362,299 |
| Net worth (market) | 1,172,050 | 704,765 | 976,498 | 1,946,453 |
| Net worth excl deferred liabs | 1,345,431 | 791,059 | 1,103,947 | 2,265,860 |
| Gross farm income | 640,943 | 225,322 | 433,017 | 1,298,498 |
| Total farm expense | 515,690 | 262,490 | 356,247 | 984,926 |
| Net farm income from operations | 125,253 | -37,169 | 76,770 | 313,572 |
| Net nonfarm income | 32,128 | 61,099 | 30,339 | 11,922 |
| Family living & tax withdrawals | 46,418 | 39,398 | 43,732 | 57,238 |
| Total acres owned | 262.0 | 186.3 | 273.9 | 307.3 |
| Total crop acres | 672.1 | 362.4 | 612.7 | 1,091.5 |
| Crop acres owned | 199.3 | 125.4 | 221.1 | 247.2 |
| Crop acres cash rented | 467.3 | 232.7 | 379.2 | 838.2 |
| Crop acres share rented | 5.5 | 4.3 | 12.4 | 6.1 |
| Total pasture acres | 41.2 | 85.0 | 36.5 | 14.4 |
| Labor Analysis | | | | |
| Number of farms | 577 | 115 | 116 | 116 |
| Total unpaid labor hours | 2,576 | 1,765 | 2,386 | 4,212 |
| Total hired labor hours | 2,216 | 556 | 752 | 7,929 |
| Total labor hours per farm | 4,792 | 2,321 | 3,138 | 12,142 |
| Unpaid hours per operator | 2,090 | 1,623 | 2,106 | 2,548 |
| Value of farm production / hour | 138.47 | 88.89 | 139.61 | 146.26 |
| Net farm income / unpaid hour | 59.93 | -22.91 | 36.46 | 123.09 |
| Average hourly hired labor wage | 18.68 | 19.53 | 17.87 | 18.49 |
| Partnerships & LLCs | | | | |
| Number of farms | 80 | 9 | 10 | 42 |
| Number of operators | 2.2 | 1.9 | 2.3 | 2.3 |
| Owner withdrawals per farm | 109,753 | 111,783 | - | 123,050 |
| Withdrawals per operator | 50,283 | 74,522 | - | 49,885 |
| Corporations | | | | |
| Number of farms | 18 | 1 | 2 | 10 |
| Number of operators | 2.2 | - | - | 2.3 |
| | | | | |

Crop Production and Marketing Summary Northern Minnesota Farm Business Management Data

(Farms Sorted By Net Farm Income)

| | Avg. Of | Low 20% | 40 - 60% | ∐iah 200/ |
|--|-----------|---------|-----------------|-----------|
| Ni wah ay af fawa a | All Farms | Low 20% | <u>40 - 60%</u> | High 20% |
| Number of farms | 577 | 115 | 116 | 116 |
| Acreage Summary | | | | |
| Total acres owned | 323 | 203 | 310 | 508 |
| Total crop acres | 828 | 394 | 694 | 1805 |
| Crop acres owned | 246 | 136 | 251 | 409 |
| Crop acres cash rented | 576 | 253 | 430 | 1,386 |
| Crop acres share rented | 7 | 5 | 14 | 10 |
| Total pasture acres | 51 | 92 | 41 | 24 |
| Percent crop acres owned | 30% | 35% | 36% | 23% |
| Mach invest/crop acre cost | 525 | 592 | 430 | 582 |
| Mach invest/crop acre market | 608 | 726 | 528 | 656 |
| Average Price Received (Cash Sales Only) | | | | |
| Soybeans per bushel | 8.79 | 9.24 | 8.74 | 8.7 |
| Corn per bushel | 3.31 | 3.22 | 3.32 | 3.39 |
| Wheat, Spring per bushel | 4.98 | 4.97 | 4.76 | 5.03 |
| Hay, Alfalfa per ton | 117.03 | 116.73 | 116.91 | 123.33 |
| Oats per bushel | 2.56 | 2.47 | 2.28 | 2.81 |
| Barley per bushel | 4.27 | - | - | 4.31 |
| Hay, Grass per ton | 95.58 | 103.96 | 91.19 | - |
| Hay per ton | 115.25 | 104.17 | 89.43 | 109.26 |
| Corn Silage per ton | 35.64 | - | 29.71 | 37.57 |
| Rye per bushel | 5.04 | 4.55 | 4.93 | 5.35 |
| Sunflowers per cwt | 19.06 | - | - | - |
| Grass Seed, Perennial Rye per lb | 0.604 | - | 0.597 | 0.605 |
| Soybeans, Food per bushel | 11.31 | - | - | - |
| Beans, Navy per cwt | 25.8 | - | - | 25.93 |
| Average Yield Per Acre | | | | |
| Soybeans (bushel) | 40.58 | 37.31 | 41.14 | 40.99 |
| Corn (bushel) | 173.19 | 148.99 | 176.43 | 178.07 |
| Corn Silage (ton) | 20.87 | 16.78 | 18.9 | 21.37 |
| Hay, Alfalfa (ton) | 4.01 | 3.11 | 3.89 | 4.5 |
| Wheat, Spring (bushel) | 57.32 | 53.57 | 56.18 | 59.45 |
| Hay (ton) | 2.4 | 2.03 | 3.02 | 3.76 |
| Hay, Grass (ton) | 2.04 | 1.69 | 2.51 | 2.27 |
| Oats (bushel) | 83.86 | 41.66 | 90.29 | 91.73 |
| Barley (bushel) | 57.12 | 34.26 | - | 67.46 |
| Rye (bushel) | 33.01 | 23.28 | - | 32.62 |
| Soybeans, Food (bushel) | 37.44 | - | - | - |
| Sunflowers (cwt) | 17.16 | - | - | - |
| Beans, Navy (cwt) | 18.48 | - | - | 19.87 |



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.

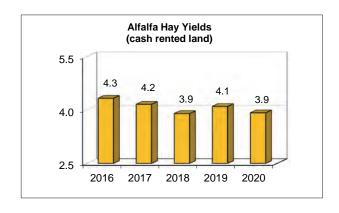
At the bottom of each livestock report, there is a list of selected factors for each enterprise. These factors are a combination of production indicators and efficiency indicators.

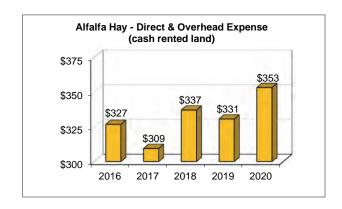
Towards the bottom of both the <u>crop and livestock</u> enterprise tables, are four (4) factors that show varying levels of Cost of Production. Those factors include a cost of production based on: direct costs, overhead & direct costs, total cost less government payments and/or other revenue, and total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

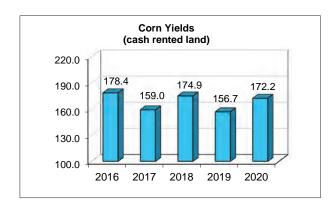
<u>Machinery Cost per Acre</u> is a factor used to combine all costs related to machinery usage. The Machinery Cost per Acre includes: Fuel & Oil, Repairs, Custom hire, Machinery leases, Interest on machinery debt, and Machinery depreciation. A machinery cost summary for five prominent Northern Minnesota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

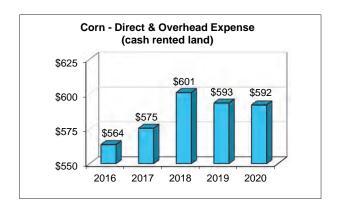
| Crop | 2016 | 2017 | 2018 | 2019 | 2020 |
|--------------|----------|----------|----------|----------|----------|
| Alfalfa Hay | \$169.50 | \$171.76 | \$177.01 | \$161.73 | \$168.16 |
| Corn | \$151.43 | \$153.51 | \$161.45 | \$160.80 | \$166.17 |
| Corn Silage | \$204.12 | \$214.87 | \$206.32 | \$224.53 | \$224.95 |
| Soybeans | \$88.15 | \$83.66 | \$88.20 | \$84.51 | \$94.38 |
| Spring Wheat | \$84.95 | \$83.56 | \$87.85 | \$87.90 | \$92.53 |

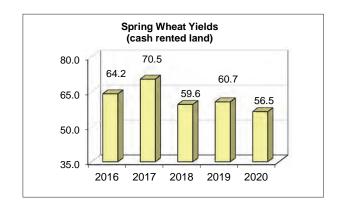
Five Year History of Crop Yields and Cost of Production Northern Minnesota Farm Business Management Data

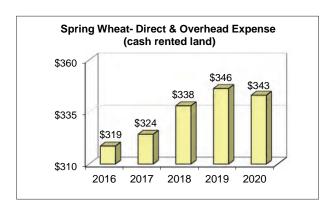


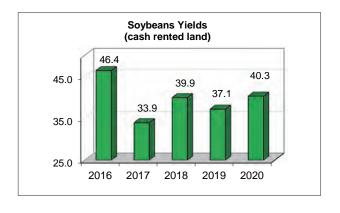


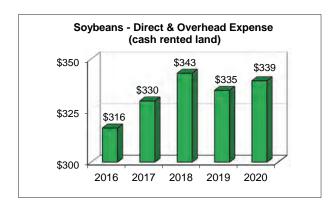












Corn on Owned Land

| | Avg. Of _All Farms | <u>40 - 60%</u> | High 20% |
|---|-----------------------|-----------------|----------|
| Number of farms | 175 | 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 | 108.47 | 143.67 | 110.57 |
| | 176.16 | 177.93 | 207.76 |
| | 100.00 | 100.00 | 100.00 |
| | 3.78 | 3.82 | 3.89 |
| | 7.94 | 4.37 | 21.04 |
| | 674.32 | 683.34 | 830.16 |
| | -3.65 | -8.12 | - |
| | 7.11 | 8.59 | 13.09 |
| | 39.79 | 34.11 | 48.40 |
| | 717.56 | 717.92 | 891.65 |
| 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 | 92.40 | 96.47 | 95.90 |
| | 101.96 | 109.47 | 103.85 |
| | 27.91 | 30.92 | 29.47 |
| | 18.81 | 20.15 | 19.50 |
| | 9.69 | 12.12 | 7.29 |
| | 2.50 | 7.12 | 0.35 |
| | 1.45 | 1.01 | 0.85 |
| | 24.97 | 25.29 | 19.76 |
| | 57.19 | 57.70 | 50.83 |
| | 18.26 | 12.12 | 12.26 |
| | 2.60 | 2.33 | 1.85 |
| | 1.77 | 1.61 | 0.85 |
| | 0.94 | 1.40 | 0.57 |
| | 2.50 | 2.44 | 3.22 |
| | 3.26 | 4.56 | 1.48 |
| | 10.02 | 9.74 | 8.17 |
| | 2.53 | 3.74 | 2.28 |
| | 378.76 | 398.20 | 358.50 |
| | 338.80 | 319.72 | 533.16 |
| 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 | 12.60 | 10.28 | 9.48 |
| | 2.58 | 2.92 | 0.70 |
| | 1.11 | 0.64 | 0.14 |
| | 18.16 | 17.75 | 19.64 |
| | 10.88 | 9.10 | 12.49 |
| | 6.87 | 4.99 | 7.25 |
| | 4.76 | 3.87 | 4.24 |
| | 59.75 | 60.40 | 54.48 |
| | 58.74 | 66.78 | 50.25 |
| | 4.87 | 5.29 | 4.38 |
| | 180.32 | 182.02 | 163.04 |
| | 559.08 | 580.22 | 521.54 |
| | 158.49 | 137.70 | 370.11 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 27.62 | 26.02 | 29.15 |
| | 186.11 | 163.73 | 399.26 |
| | 45.22 | 45.07 | 38.30 |
| | 140.89 | 118.66 | 360.96 |
| Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management | 2.15 | 2.24 | 1.73 |
| | 3.17 | 3.26 | 2.51 |
| | 2.73 | 2.90 | 1.97 |
| | 2.98 | 3.15 | 2.16 |
| Net value per unit | 3.76 | 3.77 | 3.89 |
| Machinery cost per acre | 166.17 | 167.08 | 137.02 |
| Est. labor hours per acre | 3.39 | 2.86 | 3.60 |

Corn on Cash Rent

| | Avg. Of _All Farms | <u>40 - 60%</u> | High 20% |
|--|-----------------------|-----------------|----------|
| Number of farms | 240 | 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 Gross return per acre | 252.15 | 248.56 | 323.58 |
| | 172.20 | 171.09 | 188.61 |
| | 100.00 | 100.00 | 100.00 |
| | 3.85 | 3.83 | 4.05 |
| | 3.63 | 1.58 | 6.87 |
| | 667.17 | 657.54 | 771.18 |
| | -6.33 | -4.47 | - |
| | 5.66 | 6.93 | 7.49 |
| | 44.50 | 40.14 | 51.27 |
| | 710.99 | 700.14 | 829.94 |
| 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 Utilities Hauling and trucking Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre | 87.87 | 90.23 | 83.18 |
| | 114.17 | 120.50 | 110.00 |
| | 26.54 | 30.54 | 28.40 |
| | 19.71 | 20.00 | 17.92 |
| | 11.08 | 9.32 | 14.26 |
| | 1.28 | 0.34 | 0.77 |
| | 1.06 | 0.66 | 0.59 |
| | 22.32 | 24.51 | 18.21 |
| | 48.82 | 52.70 | 45.29 |
| | 15.22 | 12.27 | 7.13 |
| | 3.33 | 3.45 | 1.64 |
| | 121.49 | 103.37 | 115.49 |
| | 3.26 | 3.70 | 4.63 |
| | 0.70 | 1.64 | 0.71 |
| | 1.68 | 1.62 | 1.66 |
| | 3.11 | 4.12 | 0.95 |
| | 12.50 | 16.06 | 7.43 |
| | 2.89 | 2.40 | 4.24 |
| | 497.05 | 497.44 | 462.51 |
| | 213.95 | 202.70 | 367.44 |
| 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 | 11.90 | 14.03 | 13.43 |
| | 5.25 | 2.52 | 5.53 |
| | 2.54 | 0.23 | 0.69 |
| | 8.36 | 10.34 | 8.28 |
| | 5.00 | 4.49 | 5.03 |
| | 4.67 | 5.09 | 3.96 |
| | 7.36 | 9.58 | 5.27 |
| | 46.14 | 45.55 | 53.13 |
| | 3.81 | 4.96 | 3.59 |
| | 95.04 | 96.79 | 98.91 |
| | 592.09 | 594.23 | 561.42 |
| | 118.90 | 105.91 | 268.53 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 29.28 | 29.95 | 30.55 |
| | 148.19 | 135.85 | 299.07 |
| | 39.04 | 40.78 | 41.85 |
| | 109.15 | 95.08 | 257.23 |
| Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management | 2.89 | 2.91 | 2.45 |
| | 3.44 | 3.47 | 2.98 |
| | 2.99 | 3.04 | 2.47 |
| | 3.22 | 3.28 | 2.69 |
| Net value per unit | 3.82 | 3.81 | 4.05 |
| Machinery cost per acre | 144.18 | 146.76 | 134.58 |
| Est. labor hours per acre | 2.79 | 3.01 | 2.79 |

Soybeans on Owned Land

| | Avg. Of All Farms | 40 - 60% | High 20% |
|--|---|--|---|
| Number of farms | 155 | 31 | 31 |
| 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 | 220.10 41.52 100.00 10.23 0.28 424.97 -2.56 13.10 29.45 464.96 | 215.19 40.40 100.00 10.24 0.39 414.00 | 262.08 46.71 100.00 11.11 0.72 519.68 -6.14 19.86 35.45 568.85 |
| 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 | 54.58 | 54.40 | 51.04 |
| | 25.16 | 28.50 | 17.80 |
| | 29.60 | 28.71 | 24.68 |
| | 14.04 | 13.56 | 14.85 |
| | 15.30 | 15.52 | 14.86 |
| | 31.04 | 30.17 | 25.08 |
| | 8.07 | 5.94 | 10.40 |
| | 1.33 | 0.51 | 2.16 |
| | 3.02 | 3.95 | 2.06 |
| | 0.50 | 0.15 | 0.65 |
| | 0.88 | 1.47 | 0.26 |
| | 1.43 | 0.96 | 1.12 |
| | 6.91 | 10.70 | 5.80 |
| | 1.88 | 2.24 | 0.96 |
| | 193.72 | 196.79 | 171.72 |
| | 271.24 | 261.69 | 397.13 |
| 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 | 6.97 | 5.97 | 3.53 |
| | 2.71 | 4.42 | 4.85 |
| | 0.80 | 1.05 | 1.48 |
| | 15.63 | 14.13 | 15.67 |
| | 7.25 | 7.90 | 6.98 |
| | 4.58 | 4.05 | 4.15 |
| | 2.63 | 2.10 | 2.04 |
| | 39.94 | 34.89 | 41.28 |
| | 33.16 | 24.77 | 44.70 |
| | 2.40 | 2.32 | 1.64 |
| | 116.07 | 101.61 | 126.30 |
| | 309.79 | 298.39 | 298.02 |
| | 155.17 | 160.09 | 270.83 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 23.17 | 22.59 | 27.99 |
| | 178.33 | 182.68 | 298.82 |
| | 30.16 | 29.99 | 31.11 |
| | 148.17 | 152.69 | 267.72 |
| Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management | 4.67 | 4.87 | 3.68 |
| | 7.46 | 7.39 | 6.38 |
| | 5.93 | 5.72 | 4.71 |
| | 6.66 | 6.46 | 5.38 |
| Net value per unit | 10.17 | 10.24 | 10.98 |
| Machinery cost per acre | 94.38 | 89.51 | 100.77 |
| Est. labor hours per acre | 1.69 | 1.51 | 1.47 |

Soybeans on Cash Rent

| | Avg. Of All Farms | 40 - 60% | High 20% |
|---|---|--|---|
| Number of farms | 236 | 47 | 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 | 369.05 40.25 100.00 10.01 0.11 403.09 -2.32 | 413.21 39.34 100.00 9.82 0.20 386.57 | 300.01 49.29 100.00 10.77 0.38 531.06 |
| Crop insurance per acre Other crop income per acre Gross return per acre | 15.59 | 19.31 | 7.51 |
| | 29.74 | 23.79 | 33.04 |
| | 446.10 | 429.67 | 571.62 |
| 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 | 53.30 23.65 34.45 13.43 13.43 28.03 7.22 1.07 96.04 2.51 0.78 1.21 6.84 2.45 284.42 161.68 | 47.87 28.01 33.19 10.77 13.28 27.46 5.17 0.44 84.58 2.06 0.59 0.57 4.93 2.57 261.49 168.18 | 61.18 28.54 38.08 13.37 13.88 28.86 6.69 1.03 89.92 0.45 1.39 2.35 2.57 2.94 291.26 280.36 |
| 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 | 7.77 | 6.56 | 16.62 |
| | 2.70 | 3.34 | 1.57 |
| | 1.00 | 0.24 | 0.90 |
| | 5.55 | 5.12 | 5.73 |
| | 3.63 | 2.97 | 4.13 |
| | 2.60 | 2.79 | 1.84 |
| | 4.67 | 5.33 | 2.61 |
| | 24.95 | 24.53 | 35.28 |
| | 2.09 | 1.85 | 1.69 |
| | 54.96 | 52.73 | 70.37 |
| | 339.38 | 314.22 | 361.62 |
| | 106.71 | 115.45 | 209.99 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 21.57 | 22.14 | 21.83 |
| | 128.29 | 137.58 | 231.82 |
| | 26.94 | 25.63 | 29.12 |
| | 101.35 | 111.95 | 202.70 |
| Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management | 7.07 | 6.65 | 5.91 |
| | 8.43 | 7.99 | 7.34 |
| | 6.83 | 6.32 | 6.06 |
| | 7.49 | 6.98 | 6.65 |
| Net value per unit | 9.96 | 9.82 | 10.77 |
| Machinery cost per acre | 81.44 | 78.83 | 86.66 |
| Est. labor hours per acre | 1.67 | 1.47 | 2.15 |

Wheat, Spring on Owned Land

| | Avg. Of _All Farms | 40 - 60% | High 20% |
|--|--|---|--|
| Number of farms | 86 | 17 | 18 |
| Acres Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre | 239.86 59.88 100.00 5.48 1.30 329.40 -0.54 28.15 32.66 389.68 | 275.43 55.66 100.00 5.44 2.68 305.72 | 331.92 69.70 100.00 5.64 1.03 393.85 -1.87 46.50 34.98 473.46 |
| 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 | 20.95 | 24.84 | 18.21 |
| | 81.84 | 82.96 | 86.09 |
| | 31.58 | 32.61 | 34.99 |
| | 12.14 | 14.21 | 14.61 |
| | 1.21 | 0.69 | 1.37 |
| | 14.39 | 14.17 | 14.63 |
| | 28.24 | 27.74 | 27.09 |
| | 12.55 | 2.45 | 5.79 |
| | 0.41 | 0.29 | 0.63 |
| | 0.54 | 0.89 | 0.14 |
| | 0.58 | 0.05 | 0.26 |
| | 0.79 | 0.70 | 0.52 |
| | 6.27 | 5.52 | 4.21 |
| | 1.39 | 1.90 | 0.74 |
| | 212.89 | 209.02 | 209.29 |
| | 176.79 | 152.77 | 264.16 |
| 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 | 8.53 | 10.23 | 7.46 |
| | 3.26 | 7.97 | 2.86 |
| | 0.58 | 0.31 | 1.21 |
| | 13.94 | 13.95 | 14.61 |
| | 6.71 | 5.15 | 7.00 |
| | 5.51 | 4.75 | 4.35 |
| | 2.65 | 3.98 | 2.11 |
| | 33.81 | 42.59 | 24.70 |
| | 33.80 | 28.01 | 42.70 |
| | 2.35 | 1.91 | 2.02 |
| | 111.15 | 118.86 | 109.01 |
| | 324.04 | 327.88 | 318.30 |
| | 65.64 | 33.91 | 155.16 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 25.36 | 27.15 | 32.47 |
| | 91.00 | 61.06 | 187.63 |
| | 29.74 | 28.20 | 28.54 |
| | 61.26 | 32.86 | 159.08 |
| Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management | 3.56 | 3.76 | 3.00 |
| | 5.41 | 5.89 | 4.57 |
| | 3.96 | 4.35 | 2.94 |
| | 4.46 | 4.85 | 3.35 |
| Net value per unit | 5.47 | 5.44 | 5.61 |
| Machinery cost per acre | 92.53 | 80.37 | 91.66 |
| Est. labor hours per acre | 1.56 | 1.58 | 1.45 |

Wheat, Spring on Cash Rent

| | Avg. Of _All Farms | 40 - 60% | High 20% |
|---|--|--|---|
| Number of farms | 130 | 26 | 26 |
| 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 | 381.74 | 335.26 | 485.60 |
| | 56.52 | 51.17 | 69.96 |
| | 100.00 | 100.00 | 100.00 |
| | 5.49 | 5.46 | 5.63 |
| | 1.21 | 2.75 | 1.92 |
| | 311.48 | 282.19 | 395.76 |
| | -0.16 | - | - |
| | 24.79 | 23.34 | 25.42 |
| | 30.48 | 33.61 | 29.28 |
| | 366.60 | 339.13 | 450.45 |
| Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Fuel & oil Repairs Custom hire Hired labor Land rent Machinery leases Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre | 21.15 84.51 31.08 11.35 1.58 14.03 26.16 8.20 0.19 77.90 1.46 0.80 6.00 2.51 286.92 79.68 | 19.39 77.28 29.19 9.80 0.59 13.35 29.39 10.73 0.77 81.75 0.69 0.63 8.43 3.11 285.10 54.04 | 22.25 82.42 32.39 10.48 2.49 15.13 25.05 4.60 76.04 2.18 0.92 4.36 0.90 279.21 171.24 |
| 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 | 11.57 | 10.23 | 18.87 |
| | 2.87 | 3.26 | 3.46 |
| | 0.57 | 0.07 | 0.69 |
| | 5.74 | 6.09 | 5.98 |
| | 4.54 | 4.62 | 5.31 |
| | 2.27 | 2.76 | 2.80 |
| | 3.77 | 3.52 | 3.01 |
| | 22.75 | 21.77 | 24.97 |
| | 2.07 | 2.23 | 2.25 |
| | 56.15 | 54.55 | 67.36 |
| | 343.07 | 339.65 | 346.57 |
| | 23.53 | -0.51 | 103.89 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 22.34 | 19.76 | 27.90 |
| | 45.87 | 19.25 | 131.79 |
| | 27.19 | 25.30 | 28.27 |
| | 18.67 | -6.05 | 103.51 |
| Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management | 5.08 | 5.57 | 3.99 |
| | 6.07 | 6.64 | 4.95 |
| | 4.68 | 5.08 | 3.75 |
| | 5.16 | 5.58 | 4.15 |
| Net value per unit | 5.49 | 5.46 | 5.63 |
| Machinery cost per acre | 77.53 | 81.71 | 76.51 |
| Est. labor hours per acre | 1.65 | 1.69 | 1.88 |

Corn Silage on Owned Land

| | Avg. Of _All Farms | 40 - 60% | High 20% |
|--|---|--|--|
| Number of farms | 117 | 24 | 24 |
| 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 | 72.64 21.03 100.00 34.35 722.45 1.02 37.08 760.55 | 71.10 21.09 100.00 33.07 697.63 37.96 735.59 | 59.20 26.61 100.00 34.52 918.42 5.27 42.51 966.19 |
| Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Packaging and supplies Fuel & oil Repairs Custom hire Hired labor Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre | 89.98 78.74 31.92 18.83 15.85 32.76 70.81 63.24 3.59 2.45 5.20 3.91 417.29 343.27 | 83.28 52.05 28.91 19.19 13.20 36.81 68.00 67.36 3.07 5.60 5.79 1.37 384.64 350.95 | 92.51 65.30 26.06 20.25 21.53 28.27 69.36 29.98 0.70 1.81 6.70 1.31 363.79 602.40 |
| 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 | 23.81 | 25.74 | 22.58 |
| | 2.74 | 4.83 | 2.25 |
| | 12.80 | 14.37 | 13.16 |
| | 10.73 | 13.19 | 12.74 |
| | 6.91 | 8.34 | 6.74 |
| | 4.15 | 4.74 | 4.55 |
| | 62.28 | 74.18 | 53.51 |
| | 52.17 | 39.77 | 60.58 |
| | 4.91 | 6.04 | 4.97 |
| | 180.49 | 191.19 | 181.08 |
| | 597.78 | 575.83 | 544.87 |
| | 162.77 | 159.76 | 421.32 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 31.62 | 21.58 | 41.35 |
| | 194.39 | 181.35 | 462.67 |
| | 47.55 | 43.42 | 47.75 |
| | 146.85 | 137.92 | 414.93 |
| Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management | 19.84 | 18.24 | 13.67 |
| | 28.43 | 27.30 | 20.48 |
| | 25.11 | 24.48 | 17.13 |
| | 27.37 | 26.53 | 18.92 |
| Net value per unit | 34.35 | 33.07 | 34.52 |
| Machinery cost per acre | 224.95 | 224.49 | 195.65 |
| Est. labor hours per acre | 4.56 | 5.48 | 4.28 |

Corn Silage on Cash Rent

| | Avg. Of _All Farms | 40 - 60% | High 20% |
|--|-----------------------|-----------------|-----------------|
| Number of farms | 109 | 22 | 22 |
| | | | |
| Acres | 94.68 | 79.59 | 84.53 |
| Yield per acre (ton) | 20.75 | 19.41 | 24.98 |
| Operators share of yield % Value per ton | 100.00 34.77 | 100.00 34.37 | 100.00 34.92 |
| Total product return per acre | 721.33 | 667.12 | 872.55 |
| Crop insurance per acre | 1.39 | - | 1.60 |
| Other crop income per acre | 27.18 | 31.91 | 39.67 |
| Gross return per acre | 749.90 | 699.03 | 913.82 |
| Direct Expenses | | | |
| Seed and plants | 91.63 | 91.22 | 86.52 |
| Fertilizer | 93.51 | 87.41 | 71.71 |
| Crop chemicals | 33.81 | 21.82 | 33.18 |
| Crop insurance | 15.84 | 9.10 | 16. <u>41</u> |
| Storage | 0.32 | - | 1.75 |
| Packaging and supplies | 15.80 | 6.31 | 14.82 27.29 |
| Fuel & oil Repairs | 38.40 62.62 | 26.70 51.01 | 62.02 |
| Custom hire | 79.48 | 55.55 | 12.03 |
| Hired labor | 3.23 | 1.88 | 1.75 |
| Land rent | 108.12 | 80.53 | 101.32 |
| Machinery leases | 2.61 | 4.70 | 2.32 |
| Hauling and trucking | 6.55 | 2.54 | - |
| Operating interest | 2.39 | 2.02 | 0.88 |
| Miscellaneous | 3.66 | 1.09 | 2.55 |
| Total direct expenses per acre | 557.97 | 441.89 | 434.55 |
| Return over direct exp per acre | 191.93 | 257.14 | 479.27 |
| Overhead Expenses | | | |
| Hired labor | 20.11 | 11.56 | 13.81 |
| Machinery leases | 3.74 | 1.50 | 1.00 |
| Building leases | 1.02 | 0.01 | 3.33 |
| Farm insurance Utilities | 7.01 4.25 | 6.54 4.06 | 11.99 3.20 |
| Dues & professional fees | 3.60 | 3.15 | 6.17 |
| Interest | 8.81 | 3.93 | 11.53 |
| Mach & bldg depreciation | 44.67 | 52.98 | 46.88 |
| Miscellaneous | 3.08 | 3.37 | 3.53 |
| Total overhead expenses per acre | 96.30 | 87.10 | 101.44 |
| Total dir & ovhd expenses per acre | 654.27 | 528.99 | 535.99 |
| Net return per acre | 95.63 | 170.04 | 377.83 |
| Government payments | 40.05 | 25.86 | 39.52 |
| Net return with govt pmts | 135.68 | 195.90 | 417.34 |
| Labor & management charge | 41.61 | 42.09 | 33.99 |
| Net return over lbr & mgt | 94.06 | 153.82 | 383.35 |
| Cost of Production | | | |
| Total direct expense per ton | 26.89 | 22.77 | 17.39 |
| Total dir & ovhd exp per ton | 31.53 | 27.26 | 21.45 |
| Less govt & other income | 28.23 | 24.28 | 18.22 |
| With labor & management | 30.23 | 26.45 | 19.58 |
| Net value per unit | 34.77 | 34.37 | 34.92 |
| Machinery cost per acre | 234.02 | 177.58 | 160.62 |
| Est. labor hours per acre | 3.47 | 3.87 | 4.02 |
| | | | |

Hay, Alfalfa on Owned Land

| | Avg. Of _All Farms | <u>40 - 60%</u> | High_20% |
|--|---|---|---|
| Number of farms | 97 | 20 | 20 |
| 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 | 67.64 | 54.16 | 68.13 |
| | 4.15 | 3.79 | 5.58 |
| | 100.00 | 100.00 | 100.00 |
| | 136.11 | 156.34 | 148.80 |
| | 565.25 | 592.72 | 830.69 |
| | 1.26 | 0.40 | 0.58 |
| | 17.01 | 17.69 | 20.70 |
| | 583.52 | 610.82 | 851.97 |
| Pirect Expenses Fertilizer Crop chemicals Crop insurance Packaging and supplies Fuel & oil Repairs Custom hire Hired labor Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre | 37.26 2.66 7.90 11.42 27.49 63.53 19.07 2.74 2.07 9.74 2.57 186.46 397.06 | 20.74 1.91 2.13 15.08 28.35 58.20 45.61 1.63 3.37 7.04 1.90 185.97 424.85 | 37.50 2.57 0.72 9.83 30.08 71.61 6.34 4.61 1.10 164.37 687.60 |
| 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 | 18.26 | 18.21 | 17.94 |
| | 2.97 | 0.46 | 9.89 |
| | 0.76 | 0.72 | 0.27 |
| | 14.25 | 13.31 | 14.93 |
| | 11.59 | 12.66 | 9.86 |
| | 7.15 | 7.20 | 5.29 |
| | 4.32 | 5.24 | 4.59 |
| | 49.02 | 43.64 | 71.93 |
| | 51.93 | 54.27 | 66.41 |
| | 4.47 | 6.70 | 2.20 |
| | 164.71 | 162.41 | 203.30 |
| | 351.17 | 348.37 | 367.67 |
| | 232.35 | 262.44 | 484.30 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 11.47 | 9.57 | 15.30 |
| | 243.82 | 272.01 | 499.60 |
| | 44.47 | 47.29 | 37.51 |
| | 199.35 | 224.72 | 462.09 |
| Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management | 44.90 | 49.05 | 29.44 |
| | 84.56 | 91.89 | 65.86 |
| | 77.40 | 84.59 | 59.31 |
| | 88.10 | 97.06 | 66.03 |
| Net value per unit | 136.11 | 156.34 | 148.80 |
| Machinery cost per acre | 168.16 | 188.68 | 191.28 |
| Est. labor hours per acre | 4.24 | 4.75 | 3.68 |

Hay, Alfalfa on Cash Rent

| | Avg. Of All Farms | <u>40 - 60%</u> | High 20% |
|--|---|---|--|
| Number of farms | 117 | 24 | 24 |
| 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 | 86.29 | 112.78 | 73.18 |
| | 3.92 | 3.92 | 5.66 |
| | 100.00 | 100.00 | 100.00 |
| | 144.42 | 141.54 | 155.72 |
| | 566.22 | 554.16 | 881.72 |
| | 1.24 | 3.14 | - |
| | 18.65 | 13.99 | 24.71 |
| | 586.10 | 571.29 | 906.43 |
| Pirect Expenses Fertilizer Crop chemicals Crop insurance Storage Packaging and supplies Fuel & oil Repairs Custom hire Hired labor Land rent Machinery leases Hauling and trucking Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre | 42.73 4.77 1.21 0.52 9.37 24.91 54.81 23.85 1.58 90.86 1.46 0.84 5.11 2.39 264.43 321.68 | 33.56 3.32 1.10 - 13.75 33.20 63.12 10.11 0.10 112.36 1.47 - 6.36 2.67 281.11 290.18 | 36.53 9.31 1.36 9.13 24.07 59.07 14.27 103.46 0.77 0.23 2.87 4.23 265.31 641.12 |
| 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 | 14.35 | 22.29 | 18.69 |
| | 3.32 | 8.88 | 2.25 |
| | 1.10 | 1.40 | 0.62 |
| | 8.06 | 7.84 | 14.85 |
| | 4.82 | 5.05 | 5.55 |
| | 4.71 | 6.77 | 5.95 |
| | 7.94 | 11.44 | 6.21 |
| | 41.63 | 56.01 | 48.45 |
| | 2.85 | 2.16 | 3.78 |
| | 88.79 | 121.83 | 106.35 |
| | 353.21 | 402.94 | 371.66 |
| | 232.89 | 168.35 | 534.77 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 9.96 | 5.23 | 17.20 |
| | 242.85 | 173.58 | 551.97 |
| | 40.65 | 35.00 | 42.22 |
| | 202.20 | 138.58 | 509.75 |
| Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management | 67.45 | 71.80 | 46.86 |
| | 90.09 | 102.92 | 65.64 |
| | 82.48 | 97.21 | 58.24 |
| | 92.85 | 106.14 | 65.69 |
| Net value per unit | 144.42 | 141.54 | 155.72 |
| Machinery cost per acre | 152.66 | 178.91 | 148.15 |
| Est. labor hours per acre | 3.45 | 3.59 | 4.29 |

Hay, Mixed on Cash Rent

| | Avg. Of All Farms | 40 - 60% | High 20% |
|--|--|--|---|
| Number of farms | 32 | 7 | 7 |
| 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 | 113.38 2.45 100.00 100.87 247.25 0.84 4.63 252.72 | 219.71 2.14 100.00 87.55 186.95 1.98 1.76 190.68 | 109.04 3.58 100.00 111.22 398.68 9.72 408.41 |
| Pirect Expenses Fertilizer Crop chemicals Packaging and supplies Fuel & oil Repairs Custom hire Hired labor Land rent Machinery leases Utilities Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre | 17.04 0.60 2.83 15.84 39.40 4.30 1.53 43.30 0.53 0.30 5.15 0.79 131.62 121.10 | 15.63 0.27 0.45 9.62 28.78 0.41 2.10 19.26 0.41 0.18 2.07 1.03 80.20 110.49 | 10.00 2.28 20.04 34.96 10.50 63.92 1.49 0.70 5.23 0.97 150.09 258.32 |
| 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 | 3.86 1.41 0.34 5.06 3.09 1.66 5.93 24.13 1.14 46.64 178.26 74.46 | 1.99 1.44 0.81 3.33 1.96 1.50 7.51 14.70 0.37 33.62 113.82 76.87 | 4.61 0.93 10.03 2.45 2.07 5.37 30.24 1.60 57.30 207.39 201.02 |
| Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt | 2.77 77.23 22.17 55.06 | 2.73 79.60 10.11 69.49 | 4.77 205.78 31.28 174.51 |
| Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management | 53.69 72.72 69.36 78.41 | 37.56 53.30 50.27 55.01 | 41.87 57.85 53.81 62.54 |
| Net value per unit Machinery cost per acre Est. labor hours per acre | 100.87 89.28 1.97 | 87.55 60.56 1.03 | 111.22 102.00 2.85 |

Hay, Grass on Cash Rent

| | Avg. Of _All Farms | <u>40 - 60%</u> | <u> High 20%</u> |
|------------------------------------|-----------------------|-----------------|------------------|
| Number of farms | 57 | 12 | 12 |
| Acres | 71.56 | 124.09 | 38.90 |
| Yield per acre (ton) | 1.97 | 1.73 | 2.78 |
| Operators share of yield % | 100.00 | 100.00 | 100.00 |
| Value per ton | 89.42 | 94.45 | 104.92 |
| Total product return per acre | 176.37 | 163.54 | 291.39 |
| Other crop income per acre | 4.03 | 1.69 | 0.96 |
| Gross return per acre | 180.41 | 165.23 | 292.35 |
| Direct Expenses | | | |
| Seed and plants | 0.74 | 0.34 | - |
| Fertilizer | 6.35 | 5.49 | 5.24 |
| Crop chemicals | 0.10 | - | 0.76 |
| Packaging and supplies | 4.31 | 3.80 | 2.95 |
| Fuel & oil | 14.95 | 15.21 | 15.77 |
| Repairs | 26.50 | 24.35 | 27.57 |
| Custom hire | 7.49 | 0.80 | 13.29 |
| Hired labor | 1.68 | 3.54 | - |
| Land rent | 68.73 | 52.65 | 31.36 |
| Operating interest | 2.36 | 1.59 | 3.60 |
| Miscellaneous | 1.04 | 1.39 | 0.74 |
| Total direct expenses per acre | 134.24 | 109.15 | 101.29 |
| Return over direct exp per acre | 46.17 | 56.08 | 191.07 |
| Overhead Expenses | | | |
| Hiredlabor | 5.99 | 6.59 | 4.84 |
| Machinery leases | 4.14 | 4.67 | 1.59 |
| Farm insurance | 5.58 | 2.64 | 8.98 |
| Utilities | 2.17 | 1.44 | 4.57 |
| Dues & professional fees | 1.95 | 1.98 | 3.27 |
| Interest | 5.13 | 3.76 | 3.00 |
| Mach & bldg depreciation | 28.73 | 24.15 | 27.56 |
| Miscellaneous | 2.27 | 1.40 | 5.06 |
| Total overhead expenses per acre | 55.97 | 46.62 | 58.87 |
| Total dir & ovhd expenses per acre | 190.20 | 155.77 | 160.16 |
| Net return per acre | -9.80 | 9.46 | 132.20 |
| Government payments | 0.55 | <u>-</u> | - |
| Net return with govt pmts | -9.25 | 9.46 | 132.20 |
| Labor & management charge | 22.28 | 14.99 | 24.64 |
| Net return over lbr & mgt | -31.53 | -5.54 | 107.56 |
| Cost of Production | | | |
| Total direct expense per ton | 68.06 | 63.04 | 36.47 |
| Total dir & ovhd exp per ton | 96.43 | 89.96 | 57.67 |
| Less govt & other income | 94.11 | 88.99 | 57.32 |
| With labor & management | 105.40 | 97.65 | 66.19 |
| Net value per unit | 89.42 | 94.45 | 104.92 |
| Machinery cost per acre | 84.91 | 72.10 | 86.72 |
| Est. labor hours per acre | 2.18 | 1.94 | 1.98 |
| | | | |

Crop Enterprise Analysis

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

Owned and Rented Acres Combined *

| <u> </u> | <u> </u> | 10/00 00//// | | |
|------------------------------------|---------------------------------|-------------------|-----------------------------|------------------------------------|
| | Establish <u>Alfalfa Hay</u> | <u>Oatlage</u> | Fescue <u>Grass Seed</u> | Perennial Rye <u>Grass Seed</u> |
| Number of farms | 49 | 18 | 8 | 8 |
| Acres | 54.20 | 46.57 | 315.56 | 797.63 |
| Yield per acre | 2.36 | 3.49 | 506.61 | 692.08 |
| Operators share of yield % | 100.00 | 100.00 | 100.00 | 100.00 |
| Value | 136.29 | 43.08 | 0.63 | 0.64 |
| Total product return per acre | 321.93 | 150.31 | 322.66 | 439.98 |
| Other crop income per acre | 15.31 | 17.77 | 14.15 | 51.63 |
| Gross return per acre | 337.24 | 168.09 | 336.81 | 491.61 |
| Direct Expenses | | | | |
| Seed | 121.55 | 25.08 | 5.60 | 14.97 |
| Fertilizer | 30.64 | 15.61 | 102.92 | 81.47 |
| Crop chemicals | 8.12 | 4.44 | 33.01 | 40.02 |
| Crop insurance | 1.57 | 1.38 | 6.02 | 13.66 |
| Packaging and supplies | 15.20 | 2.16 | - | - |
| Fuel & oil | 28.96 | 17.98 | 14.84 | 20.09 |
| Repairs | 71.10 | 38.45 | 26.75 | 35.79 |
| Custom hire | 17.42 | 14.26 | 8.25 | 18.98 |
| Machinery Leases | 1.47 | 1.54 | 0.60 | - |
| Land Rent | 59.83 | 69.63 | 67.50 | 40.54 |
| Operating interest | 4.28 | 0.78 | 11.00 | 7.97 |
| Miscellaneous | 6.29 | 2.74 | 1.91 | 0.14 |
| Total direct expenses per acre | 366.42 | 194.06 | 278.40 | 273.61 |
| Return over direct exp per acre | -29.18 | -25.97 | 58.41 | 218.00 |
| Overhead Expenses | | | | |
| Hired labor | 15.39 | 13.14 | 14.25 | 6.08 |
| Mach and bldg leases | 3.34 | 1.45 | 0.79 | 10.16 |
| RE & pers. property taxes | 6.65 | 3.17 | 6.42 | 3.65 |
| Farm insurance | 8.79 | 9.57 | 6.14 | 10.04 |
| Utilities | 4.65 | 4.21 | 5.87 | 4.63 |
| Dues & professional fees | 3.75 | 4.46 | 2.46 | 1.67 |
| Interest | 31.59 | 18.93 | 10.01 | 14.74 |
| Mach & bldg depreciation | 52.94 | 26.15 | 24.49 | 40.72 |
| Miscellaneous | 4.54 | 5.67 | 2.11 | 2.36 |
| Total overhead expenses per acre | 131.63 | 86.75 | 72.53 | 94.05 |
| Total dir & ovhd expenses per acre | 498.05 -160.81 | 280.81 -112.72 | 350.93 -14.12 | 367.67 123.94 |
| Net return per acre | | | | |
| Government payments | 7.89 | 26.10 | 20.63 | 17.58 |
| Net return with govt pmts | -152.92 | -86.63 | 6.51 | 141.53 |
| Labor & management charge | 37.65 | 26.45 | 24.26 | 41.81 |
| Net return over lbr & mgt | -190.57 | -113.08 | -17.75 | 99.71 |
| Cost of Production | | | | |
| Total direct expense per bu. | 155.48 | 55.62 | 0.55 | 0.40 |
| Total dir & ovhd exp per bu. | 211.33 | 80.48 | 0.69 | 0.53 |
| Less govt & other income | 201.18 | 67.91 | 0.61 | 0.43 |
| With labor & management | 217.15 | 75.49 | 0.66 | 0.49 |
| Net value per unit | 136.29 | 43.08 | 0.63 | 0.64 |
| Machinery cost per acre | 175.20 | 102.40 | 75.50 | 125.82 |
| Est. labor hours per acre | 3.95 | 2.88 | 1.72 | 1.70 |
| iabor riouro por aoro | 5.55 | | •••= | 0 |

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

Irrigated Crops *

| Number of farms | | <u>J</u> | | | | Beans, Dark |
|---|------------------------------------|-------------|-------------|--------------|-----------------|-------------|
| Acres | | <u>Corn</u> | Corn Silage | Hay, Alfalfa | <u>Soybeans</u> | |
| Yield per acre 195.17 23.62 5.26 50.90 29.05 Operators share of yield % 100.00 67.20 100.00 67.20 100.00 67.20 100.00 67.20 100.00 67.20 100.00 67.20 100.00 67.20 100.00 67.20 100.00 67.20 100.00 67.20 100.00 67.20 100.00 67.20 100.00 100.00 100.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 60.00 | Number of farms | 55 | 22 | 15 | 24 | 6 |
| Operators share of yield % Value 100.00 100.00 100.00 100.00 Value 3.72 34.60 15.93 9.70 40.37 Total product return per acre 7.34.89 817.37 836.28 493.67 1,173.01 Crop insurance per acre 47.13 38.58 13.82 31.35 11.93 Gross return per acre 47.13 38.58 13.82 31.35 11.91 Direct Expenses 1 858.11 850.10 525.92 1.252.12 Direct Expenses 2 84.36 94.77 - 51.90 103.28 Fertilizer 140.68 94.77 5.98 35.14 108.35 Crop chemicals 29.54 35.67 5.98 35.14 100.35 Crop chemicals 29.94 35.87 5.98 35.14 100.35 Crop chemicals 29.94 35.87 5.98 35.14 100.35 Crop chemicals 29.14 25.98 28.50 25.99 27.00 | Acres | 243.42 | 115.10 | 123.91 | 159.84 | 356.53 |
| Operators share of yield % 100.00 100.00 100.00 100.00 100.00 Value 3.72 34.60 158.90 9.70 40.37 Total product return per acre 734.89 817.37 836.28 493.67 1,173.01 Crop insurance per acre 782.02 858.11 850.10 525.92 1,252.12 Direct Expenses 94.36 94.77 8.30 26.69 130.31 Seed 94.36 94.77 8.39 26.69 130.31 Fertilizer 140.68 79.73 88.39 26.69 130.31 Crop insurance 13.32 13.74 3.13 11.84 26.75 Marketing 3.87 - - 1.64 0.66 Irrigation energy 29.14 25.98 28.50 25.29 27.00 Packaging and supplies/Drying Corn 13.85 13.01 18.01 - - 1.64 0.66 Irrigation energy 29.14 25.98 25.59 27.00 | Yield per acre | 195.17 | 23.62 | 5.26 | 50.90 | 29.05 |
| Value 3.72 34.60 158.90 9.70 40.37 Total product return per acre - 2.16 - 0.90 67.20 Other crop income per acre - 2.16 - 0.90 67.20 Other crop income per acre 782.02 858.11 850.10 525.92 12.25.21 Direct Expenses 850.10 94.77 - 51.90 103.28 Fertilizer 140.68 79.73 88.39 26.69 130.31 Crop chemicals 29.54 35.87 5.98 35.14 100.32 Crop insurance 13.32 13.74 3.13 11.84 26.75 Marketing 13.85 13.01 18.01 - 1.64 0.66 Irigation energy 29.14 25.98 28.50 25.29 27.00 Packaging and supplies/Drying Corn 13.85 13.01 18.01 - - Fertilizer 49.39 59.84 61.59 28.40 25.74 < | | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| Crop insurance per acre - 2,16 - 0,90 67,20 Other crop income per acre 782,02 858,11 850,10 525,92 1,252,12 Direct Expenses 858,11 850,10 525,92 1,252,12 Seed 94,36 94,77 - 51,90 130,31 Crop chemicals 29,54 35,87 5,98 35,14 108,95 Crop insurance 13,32 13,74 3,13 11,144 66,75 Marketing 3,87 - 1,64 0,66 Irrigation energy 29,14 25,98 28,50 25,29 27,00 Packaging and supplies/Drying Corn 13,85 13,01 18,01 - 1,64 0,66 Repairs 49,39 59,84 61,59 28,40 57,42 2,765 Use of Mirel Interest 6,33 4,31 1,68 3,72 2,12 Miscellaneous 5,64 5,03 3,25 4,02 2,67 Oberating interest | | 3.72 | 34.60 | 158.90 | 9.70 | 40.37 |
| Crop insurance per acre - 2.16 - 0.90 67.20 Other crop insome per acre 47.13 38.58 13.82 31.35 11.91 Gross return per acre 782.02 858.11 850.10 525.92 1,252.12 Direct Expenses Seed 94.36 94.77 - 51.90 103.28 Fertilizer 140.68 79.73 88.39 26.69 130.31 Crop chemicals 29.54 35.87 5.98 35.14 108.95 Crop insurance 13.32 13.74 3.13 11.84 26.75 Marketing 3.67 - 1.64 0.66 Irrigation energy 29.14 25.98 28.50 25.29 27.00 Packaging and supplies/Drying Corn 13.85 13.01 18.01 - 1.64 0.66 Repairs 49.39 59.84 61.59 28.40 57.42 27.00 Custom hire and Trucking 15.45 60.33 7.89 13.22 2 | Total product return per acre | 734.89 | 817.37 | 836.28 | 493.67 | 1,173.01 |
| Other crop income per acre 47.13 38.58 13.82 31.36 21.91 Cross return per acre 782.02 858.11 850.10 \$25.92 1252.12 Direct Expenses Seed 94.77 - 51.90 103.28 Fertilizer 140.68 79.73 88.39 26.69 130.31 Crop chemicals 29.54 35.87 5.98 35.14 108.95 Crop insurance 13.32 13.74 3.13 11.84 26.75 Marketing 3.87 - - 1.64 0.66 Irigation energy 29.14 25.98 28.50 25.29 27.00 Packaging and supplies/Drying Corn 13.85 13.01 18.01 - - Fluel & oil 20.17 37.86 43.40 10.33 14.05 13.22 27.65 Hired abor 2.66 0.93 1.61 0.68 1.72 2.65 Land Rent 86.64 42.78 61.32 78.74 100.7 | | - | 2.16 | - | 0.90 | 67.20 |
| Gross return per acre 782.02 858.11 850.10 525.92 1,252.12 Direct Expenses 94.36 94.77 - 51.90 103.28 Fertilizer 140.68 79.73 88.39 26.69 130.31 Crop chemicals 29.54 35.87 5.98 35.14 108.95 Crop insurance 13.32 13.74 3.13 11.84 26.75 Marketing 3.87 - - - - 1.64 0.66 Irrigation energy 29.14 25.98 28.50 25.29 27.00 Packaging and supplies/Drying Corn 13.85 13.01 18.01 - - Fuel & oil 20.17 37.86 43.40 10.33 14.08 Repairs 49.39 59.84 61.59 28.40 57.42 Custom hire and Trucking 15.45 60.33 7.89 13.22 27.26 Hired labor 2.65 0.93 1.61 0.68 - <t< td=""><td></td><td>47.13</td><td>38.58</td><td>13.82</td><td>31.35</td><td>11.91</td></t<> | | 47.13 | 38.58 | 13.82 | 31.35 | 11.91 |
| Seed 94,36 94,77 -51,90 103,28 Fertilizer 140,68 79,73 88,39 26,69 130,31 Crop chemicals 29,54 35,87 5,98 35,14 108,95 Crop insurance 13,32 13,74 3,13 11,84 26,75 Marketing 3,87 - - 164 0,66 Irrigation energy 29,14 25,98 28,50 25,29 27,00 Packaging and supplies/Drying Corn 13,85 13,01 18,01 - - Fuel & oil 20,17 37,86 43,40 10,93 14,08 Repairs 49,39 59,84 61,59 28,40 57,42 Custom hire and Trucking 15,45 60,33 7,89 13,22 27,65 Hired labor 2,65 0,93 1,61 0,88 - Operating interest 6,33 4,31 1,68 32,7 2,12 Miscellaneous 5,64 5,03 4,25 </td <td>Gross return per acre</td> <td>782.02</td> <td>858.11</td> <td>850.10</td> <td>525.92</td> <td>1,252.12</td> | Gross return per acre | 782.02 | 858.11 | 850.10 | 525.92 | 1,252.12 |
| Fertilizer 140.68 79.73 88.39 26.69 130.31 Crop chemicals 29.54 35.87 5.98 35.14 108.95 Crop insurance 13.32 13.74 3.13 311.84 26.75 Marketing 3.87 - - 1.64 0.66 Irriqation energy 29.14 25.98 28.50 25.29 277.00 Packaging and supplies/Drying Corn 13.85 13.01 18.01 - - Fuel & oil 20.17 37.86 43.40 10.93 14.68 Repairs 49.93 59.84 61.59 22.40 57.42 Custom hire and Trucking 15.45 60.33 7.89 13.22 27.65 Hired labor 2.65 0.93 1.61 0.68 - Land Rent 86.64 42.78 61.32 78.74 100.79 Operating interest 6.33 4.31 1.68 3.27 2.12 Miscellaneous 5.64 <t< td=""><td>Direct Expenses</td><td></td><td></td><td></td><td></td><td></td></t<> | Direct Expenses | | | | | |
| Crop chemicals 29.54 35.87 5.98 35.14 108.95 Crop insurance 13.32 13.74 3.13 11.84 26.75 Marketing 3.87 - - 1.64 0.66 Irigation energy 29.14 25.98 28.50 25.29 27.00 Packaging and supplies/Drying Corn 13.85 13.01 18.01 10.93 14.08 Repairs 49.39 59.84 61.59 28.40 57.42 Custom hire and Trucking 15.45 60.33 7.69 13.22 27.65 Hired labor 2.65 0.93 1.61 0.68 Land Rent 86.64 42.78 61.32 78.74 100.79 Operating interest 6.33 4.31 1.68 3.27 2.12 Miscellaneous 5.64 5.03 4.25 4.02 2.67 Total direct expenses per acre 524.78 475.33 325.77 306.30 60.63 Hired labor | Seed | 94.36 | 94.77 | - | 51.90 | 103.28 |
| Crop insurance 13.32 13.74 3.13 11.84 26.75 Marketing 3.87 - - - 1.64 0.66 Irrigation energy 29.14 2.5.98 28.50 25.29 27.00 Packaging and supplies/Drying Corn 13.85 13.01 18.01 - - Fuel & oil 20.17 37.86 43.40 10.93 14.08 Repairs 49.39 59.84 61.59 28.40 57.42 Custom hire and Trucking 15.45 60.33 7.89 13.22 27.65 Hired labor 2.65 0.93 1.61 0.68 - Land Rent 86.64 42.78 61.32 78.74 100.79 Operating interest 6.33 4.31 1.68 3.27 2.12 Miscellaneous 5.64 5.03 42.5 4.02 2.67 Total direct expenses per acre 524.78 475.33 325.77 306.30 601.68 Return over dire | Fertilizer | 140.68 | 79.73 | 88.39 | 26.69 | 130.31 |
| Marketing 3.87 - - 1.64 0.66 Irrigation energy 29.14 25.98 28.50 25.29 27.00 Peul & oil 20.17 37.86 43.40 10.93 14.08 Repairs 49.39 59.84 61.59 28.40 57.42 Custom hire and Trucking 15.45 60.33 7.89 13.22 27.65 Hired labor 2.65 0.93 1.61 0.68 - Land Rent 86.64 42.78 61.32 78.74 100.79 Operating interest 6.33 4.31 1.68 3.27 2.12 Miscellaneous 56.44 5.03 4.25 4.02 2.67 Total direct expenses per acre 524.78 475.33 325.77 306.30 601.68 Return over direct exp per acre 524.78 475.33 325.77 306.30 601.68 Return over direct exp per acre 524.78 475.33 325.77 306.30 601.68 Ne | Crop chemicals | 29.54 | 35.87 | 5.98 | 35.14 | 108.95 |
| Irrigation energy | Crop insurance | 13.32 | 13.74 | 3.13 | 11.84 | 26.75 |
| Packaging and supplies/Drying Corn 13.85 13.01 18.01 - - Fuel & oil 20.17 37.86 43.40 19.30 57.42 Repairs 49.39 59.84 61.59 28.40 57.42 Custom hire and Trucking 15.45 60.33 7.89 13.22 27.65 Hired labor 2.65 0.93 1.61 0.68 - Land Rent 86.64 42.78 61.32 78.74 100.79 Operating interest 6.33 4.31 1.68 3.27 2.12 Miscellaneous 5.64 5.03 42.55 4.02 2.67 Total direct expenses per acre 257.24 382.78 524.33 219.62 650.43 Overhead Expenses Hired labor 21.52 39.52 33.62 10.28 15.83 Mach and bidg leases 2.55 4.47 4.84 1.32 33.15 RE & pers. property taxes 4.56 6.37 6.20 4.19 | Marketing | 3.87 | - | - | 1.64 | 0.66 |
| Fuel & oil 20.17 37.86 43.40 10.93 14.08 Repairs 49.39 59.84 61.59 28.40 57.42 Custom hire and Trucking 15.45 60.33 7.89 13.22 27.65 Hired labor 26.65 0.93 1.61 0.68 Land Rent 86.64 42.78 61.32 78.74 100.79 Operating interest 6.33 4.31 1.68 3.27 2.12 Miscellaneous 5.64 5.03 4.25 4.02 2.67 Total direct expenses per acre 524.78 475.33 325.77 306.30 601.68 Return over direct exp per acre 257.24 382.78 524.33 219.62 650.43 Overhead Expenses Hired labor 21.52 39.52 33.62 10.28 15.83 Mach and bldg leases 2.55 4.47 4.84 1.52 33.15 RE & pers. property taxes 4.56 6.37 6.20 4 | Irrigation energy | 29.14 | 25.98 | 28.50 | 25.29 | 27.00 |
| Repairs 49.39 59.84 61.59 28.40 57.42 Custom hire and Trucking 15.45 60.33 7.89 13.22 27.65 Hired labor 2.65 0.93 1.61 0.68 - Land Rent 86.64 42.78 61.32 78.74 100.79 Operating interest 6.33 4.31 1.68 3.27 2.12 Miscellaneous 5.64 5.03 4.25 4.02 2.67 Total direct expenses per acre 524.78 475.33 325.77 306.30 601.68 Return over direct exp per acre 524.78 475.33 325.77 306.30 601.68 Return over direct exp per acre 257.24 382.78 524.33 219.62 650.43 Overhead Expenses Hired labor 21.52 39.52 33.62 10.28 15.83 Mach ald bldg leases 2.55 4.47 4.84 1.32 33.15 RE & pers. property taxes 4.56 <t< td=""><td></td><td>13.85</td><td>13.01</td><td>18.01</td><td>-</td><td>-</td></t<> | | 13.85 | 13.01 | 18.01 | - | - |
| Custom hire and Trucking 15.45 60.33 7.89 13.22 27.65 Hired labor 2.65 0.93 1.61 0.88 Land Rent 86.64 42.78 61.32 78.74 100.79 Operating interest 6.33 4.31 1.68 3.27 2.12 Miscellaneous 5.64 5.03 4.25 4.02 2.67 Total direct expenses per acre 257.24 382.78 524.33 219.62 650.43 Overhead Expenses Hired labor 21.52 39.52 33.62 10.28 15.83 Mach and bldg leases 2.55 4.47 4.84 1.32 33.15 RE & pers. property taxes 4.56 6.37 6.20 4.19 2.67 Farm insurance 10.57 9.92 7.21 7.22 4.39 Utilities 5.15 4.50 4.84 3.06 10.86 Dues & professional fees 6.95 6.59 5.44 5.75 <td< td=""><td>Fuel & oil</td><td>20.17</td><td>37.86</td><td>43.40</td><td>10.93</td><td>14.08</td></td<> | Fuel & oil | 20.17 | 37.86 | 43.40 | 10.93 | 14.08 |
| Hired labor | Repairs | 49.39 | 59.84 | 61.59 | 28.40 | 57.42 |
| Land Rent 86.64 42.78 61.32 78.74 100.79 Operating interest 6.33 4.31 1.68 3.27 2.12 Miscellaneous 5.64 5.03 4.25 4.02 2.67 Total direct expenses per acre 524.78 475.33 325.77 306.30 601.68 Return over direct exp per acre 257.24 382.78 524.33 219.62 650.43 Overhead Expenses Hired labor 21.52 39.52 33.62 10.28 15.83 Mach and bldg leases 2.55 4.47 4.84 1.32 33.15 RE & pers. property taxes 4.56 6.37 6.20 4.19 2.67 Farm insurance 10.57 9.92 7.21 7.22 4.39 Utilities 5.15 4.50 4.84 3.06 10.86 Dues & professional fees 6.95 6.59 5.44 5.75 2.69 Interest 27.54 34.88 38.82 | Custom hire and Trucking | 15.45 | 60.33 | 7.89 | 13.22 | 27.65 |
| Operating interest Miscellaneous 6.33 4.31 1.68 3.27 2.12 Miscellaneous 5.64 5.03 4.25 4.02 2.67 Total direct expenses per acre 252.478 475.33 325.77 306.30 601.68 Return over direct exp per acre 257.24 382.78 524.33 219.62 650.43 Overhead Expenses Hired labor 21.52 39.52 33.62 10.28 15.83 Mach and bldg leases 2.55 4.47 4.84 1.32 33.15 RE & pers. property taxes 4.56 6.37 6.20 4.19 2.67 Farm insurance 10.57 9.92 7.21 7.22 4.39 Utilities 5.15 4.50 4.84 3.06 10.86 Dues & professional fees 6.95 6.59 5.44 5.75 2.69 Interest 27.54 34.88 38.82 20.80 16.97 Mach & bldg depreciation 48.31 66.66 5 | Hired labor | 2.65 | 0.93 | 1.61 | 0.68 | - |
| Miscellaneous 5.64 5.03 4.25 4.02 2.67 Total direct expenses per acre 524.78 475.33 325.77 306.30 601.68 Return over direct exp per acre 257.24 382.78 524.33 219.62 650.43 Overhead Expenses Hired labor 21.52 39.52 33.62 10.28 15.83 Mach and bldg leases 2.55 4.47 4.84 1.32 33.15 RE & pers. property taxes 4.56 6.37 6.20 4.19 2.67 Farm insurance 10.57 9.92 7.21 7.22 4.39 Utilities 5.15 4.50 4.84 3.06 10.86 Dues & professional fees 6.95 6.59 5.44 5.75 2.69 Interest 27.54 34.88 38.82 20.80 16.97 Mach & bldg depreciation 48.31 66.66 51.37 28.81 36.63 Miscellaneous 5.56 4.09 2.36 | Land Rent | 86.64 | 42.78 | 61.32 | 78.74 | 100.79 |
| Total direct expenses per acre 524.78 475.33 325.77 306.30 601.68 Return over direct exp per acre 257.24 382.78 524.33 219.62 650.43 Overhead Expenses Hired labor 21.52 39.52 33.62 10.28 15.83 Mach and bldg leases 2.55 4.47 4.84 1.32 33.15 RE & pers. property taxes 4.56 6.37 6.20 4.19 2.67 Farm insurance 10.57 9.92 7.21 7.22 4.39 Utilities 5.15 4.50 4.84 3.06 10.86 Dues & professional fees 6.95 6.59 5.44 5.75 2.69 Interest 27.54 34.88 38.82 20.80 16.97 Mach & bldg depreciation 48.31 66.66 51.37 28.81 36.63 Miscellaneous 5.56 5.56 4.09 2.36 8.42 Total overhead expenses per acre 657.49 653.81 | Operating interest | | | 1.68 | | |
| Return over direct exp per acre 257.24 382.78 524.33 219.62 650.43 Overhead Expenses Hired labor 21.52 39.52 33.62 10.28 15.83 Mach and bldg leases 2.55 4.47 4.48 1.32 33.15 RE & pers. property taxes 4.56 6.37 6.20 4.19 2.67 Farm insurance 10.57 9.92 7.21 7.22 4.39 Utilities 5.15 4.50 4.84 3.06 10.86 Dues & professional fees 6.95 6.59 5.44 5.75 2.69 Interest 27.54 34.88 38.82 20.80 16.97 Mach & bldg depreciation 48.31 66.66 51.37 28.81 36.63 Miscellaneous 5.56 5.56 4.09 2.36 8.42 Total overhead expenses per acre 132.71 178.47 156.43 83.79 101.99 Total div & ovhd expenses per acre 124.53 204.30 | Miscellaneous | 5.64 | 5.03 | 4.25 | 4.02 | 2.67 |
| Overhead Expenses Hired labor 21.52 39.52 33.62 10.28 15.83 Mach and bldg leases 2.55 4.47 4.84 1.32 33.15 RE & pers. property taxes 4.56 6.37 6.20 4.19 2.67 Farm insurance 10.57 9.92 7.21 7.22 4.39 Utilities 5.15 4.50 4.84 3.06 10.86 Dues & professional fees 6.95 6.59 5.44 5.75 2.69 Interest 27.54 34.88 38.82 20.80 16.97 Mach & bldg depreciation 48.31 66.66 51.37 28.81 36.63 Miscellaneous 5.56 5.56 4.09 2.36 8.42 Total overhead expenses per acre 657.49 653.81 482.20 390.09 733.28 Net return per acre 124.53 204.30 367.90 135.83 518.84 Government payments 30.18 40.24 8.65 <t< td=""><td>Total direct expenses per acre</td><td></td><td></td><td></td><td></td><td></td></t<> | Total direct expenses per acre | | | | | |
| Hired labor 21.52 39.52 33.62 10.28 15.83 Mach and bldg leases 2.55 4.47 4.84 1.32 33.15 RE & pers. property taxes 4.56 6.37 6.20 4.19 2.67 Farm insurance 10.57 9.92 7.21 7.22 4.39 Utilities 5.15 4.50 4.84 3.06 10.86 Dues & professional fees 6.95 6.59 5.44 5.75 2.69 Interest 27.54 34.88 38.82 20.80 16.97 Mach & bldg depreciation 48.31 66.66 51.37 28.81 36.63 Miscellaneous 5.56 5.56 4.09 2.36 8.42 Total overhead expenses per acre 132.71 178.47 156.43 83.79 101.99 Total dir & ovhd expenses per acre 657.49 653.81 482.20 390.09 733.28 Net return per acre 124.53 204.30 367.90 135.83 518.84 | Return over direct exp per acre | 257.24 | 382.78 | 524.33 | 219.62 | 650.43 |
| Hired labor 21.52 39.52 33.62 10.28 15.83 Mach and bldg leases 2.55 4.47 4.84 1.32 33.15 RE & pers. property taxes 4.56 6.37 6.20 4.19 2.67 Farm insurance 10.57 9.92 7.21 7.22 4.39 Utilities 5.15 4.50 4.84 3.06 10.86 Dues & professional fees 6.95 6.59 5.44 5.75 2.69 Interest 27.54 34.88 38.82 20.80 16.97 Mach & bldg depreciation 48.31 66.66 51.37 28.81 36.63 Miscellaneous 5.56 5.56 4.09 2.36 8.42 Total overhead expenses per acre 132.71 178.47 156.43 83.79 101.99 Total dir & ovhd expenses per acre 657.49 653.81 482.20 390.09 733.28 Net return per acre 124.53 204.30 367.90 135.83 518.84 | Overhead Expenses | | | | | |
| Mach and bldg leases 2.55 4.47 4.84 1.32 33.15 RE & pers. property taxes 4.56 6.37 6.20 4.19 2.67 Farm insurance 10.57 9.92 7.21 7.22 4.39 Utilities 5.15 4.50 4.84 3.06 10.86 Dues & professional fees 6.95 6.59 5.44 5.75 2.69 Interest 27.54 34.88 38.82 20.80 16.97 Mach & bldg depreciation 48.31 66.66 51.37 28.81 36.63 Miscellaneous 5.56 5.56 4.09 2.36 84.22 Total overhead expenses per acre 132.71 178.47 156.43 83.79 101.99 Total dir & ovhd expenses per acre 657.49 653.81 482.20 390.09 733.28 Net return per acre 124.53 204.30 367.90 135.83 518.84 Government payments 30.18 40.24 8.65 20.75 - </td <td></td> <td>21.52</td> <td>39.52</td> <td>33.62</td> <td>10.28</td> <td>15.83</td> | | 21.52 | 39.52 | 33.62 | 10.28 | 15.83 |
| RE & pers. property taxes 4.56 6.37 6.20 4.19 2.67 Farm insurance 10.57 9.92 7.21 7.22 4.39 Utilities 5.15 4.50 4.84 3.06 10.86 Dues & professional fees 6.95 6.59 5.44 5.75 2.69 Interest 27.54 34.88 38.82 20.80 16.97 Mach & bldg depreciation 48.31 66.66 51.37 28.81 36.63 Miscellaneous 5.56 5.56 4.09 2.36 8.42 Total overhead expenses per acre 132.71 178.47 156.43 83.79 101.99 Total dir & ovhd expenses per acre 657.49 653.81 482.20 390.09 733.28 Net return per acre 124.53 204.30 367.90 135.83 518.84 Government payments 30.18 40.24 8.65 20.75 - Net return with govt pmts 154.71 244.54 376.56 156.58 518.8 | | 2.55 | 4.47 | 4.84 | 1.32 | 33.15 |
| Farm insurance 10.57 9.92 7.21 7.22 4.39 Utilities 5.15 4.50 4.84 3.06 10.86 Dues & professional fees 6.95 6.59 5.44 5.75 2.69 Interest 27.54 34.88 38.82 20.80 16.97 Mach & bldg depreciation 48.31 66.66 51.37 28.81 36.63 Miscellaneous 5.56 5.56 4.09 2.36 8.42 Total overhead expenses per acre 132.71 178.47 156.43 83.79 101.99 Total dir & ovhd expenses per acre 657.49 653.81 482.20 390.09 733.28 Net return per acre 124.53 204.30 367.90 135.83 518.84 Government payments 30.18 40.24 8.65 20.75 - Net return with govt pmts 154.71 244.54 376.56 156.58 518.84 Labor & management charge 44.78 52.09 33.59 26.85 <td< td=""><td></td><td>4.56</td><td>6.37</td><td>6.20</td><td>4.19</td><td>2.67</td></td<> | | 4.56 | 6.37 | 6.20 | 4.19 | 2.67 |
| Dues & professional fees 6.95 6.59 5.44 5.75 2.69 Interest 27.54 34.88 38.82 20.80 16.97 Mach & bldg depreciation 48.31 66.66 51.37 28.81 36.63 Miscellaneous 5.56 5.56 4.09 2.36 8.42 Total overhead expenses per acre 132.71 178.47 156.43 83.79 101.99 Total dir & ovhd expenses per acre 657.49 653.81 482.20 390.09 733.28 Net return per acre 124.53 204.30 367.90 135.83 518.84 Net return with govt pmts 30.18 40.24 8.65 20.75 - Net return with govt pmts 154.71 244.54 376.56 156.58 518.84 Labor & management charge 44.78 52.09 33.59 26.85 42.67 Net return over lbr & mgt 109.93 192.46 342.97 129.74 476.17 Cost of Production 2.69 20.12 61.93 </td <td></td> <td>10.57</td> <td>9.92</td> <td>7.21</td> <td>7.22</td> <td>4.39</td> | | 10.57 | 9.92 | 7.21 | 7.22 | 4.39 |
| Interest 27.54 34.88 38.82 20.80 16.97 Mach & bldg depreciation 48.31 66.66 51.37 28.81 36.63 Miscellaneous 5.56 5.56 4.09 2.36 8.42 Total overhead expenses per acre 132.71 178.47 156.43 83.79 101.99 Total dir & ovhd expenses per acre 657.49 653.81 482.20 390.09 733.28 Net return per acre 124.53 204.30 367.90 135.83 518.84 Government payments 30.18 40.24 8.65 20.75 - Net return with govt pmts 154.71 244.54 376.56 156.58 518.84 Labor & management charge 44.78 52.09 33.59 26.85 42.67 Net return over lbr & mgt 109.93 192.46 342.97 129.74 476.17 Cost of Production 2.69 20.12 61.93 6.02 20.71 Total direct expense per bu. 2.69 20.12 61.93< | Utilities | 5.15 | 4.50 | 4.84 | 3.06 | 10.86 |
| Interest 27.54 34.88 38.82 20.80 16.97 Mach & bldg depreciation 48.31 66.66 51.37 28.81 36.63 Miscellaneous 5.56 5.56 4.09 2.36 8.42 Total overhead expenses per acre 132.71 178.47 156.43 83.79 101.99 Total dir & ovhd expenses per acre 657.49 653.81 482.20 390.09 733.28 Net return per acre 124.53 204.30 367.90 135.83 518.84 Government payments 30.18 40.24 8.65 20.75 - Net return with govt pmts 154.71 244.54 376.56 156.58 518.84 Labor & management charge 44.78 52.09 33.59 26.85 42.67 Net return over lbr & mgt 109.93 192.46 342.97 129.74 476.17 Cost of Production 2.69 20.12 61.93 6.02 20.71 Total direct expense per bu. 2.69 20.12 61.93< | Dues & professional fees | 6.95 | 6.59 | 5.44 | 5.75 | 2.69 |
| Miscellaneous 5.56 5.56 4.09 2.36 8.42 Total overhead expenses per acre 132.71 178.47 156.43 83.79 101.99 Total dir & ovhd expenses per acre 657.49 653.81 482.20 390.09 733.28 Net return per acre 124.53 204.30 367.90 135.83 518.84 Government payments 30.18 40.24 8.65 20.75 - Net return with govt pmts 154.71 244.54 376.56 156.58 518.84 Labor & management charge 44.78 52.09 33.59 26.85 42.67 Net return over lbr & mgt 109.93 192.46 342.97 129.74 476.17 Cost of Production Total direct expense per bu. 2.69 20.12 61.93 6.02 20.71 Total direct expense per bu. 3.37 27.68 91.62 7.66 25.24 Less govt & other income 2.93 24.25 87.35 6.62 22.52 With labor & management | | 27.54 | 34.88 | 38.82 | 20.80 | 16.97 |
| Miscellaneous 5.56 5.56 4.09 2.36 8.42 Total overhead expenses per acre 132.71 178.47 156.43 83.79 101.99 Total dir & ovhd expenses per acre 657.49 653.81 482.20 390.09 733.28 Net return per acre 124.53 204.30 367.90 135.83 518.84 Government payments 30.18 40.24 8.65 20.75 - Net return with govt pmts 154.71 244.54 376.56 156.58 518.84 Labor & management charge 44.78 52.09 33.59 26.85 42.67 Net return over lbr & mgt 109.93 192.46 342.97 129.74 476.17 Cost of Production Total direct expense per bu. 2.69 20.12 61.93 6.02 20.71 Total direct expense per bu. 2.69 20.12 61.93 6.02 20.71 Total direct expense per bu. 2.93 24.25 87.35 6.62 25.24 Less govt & other i | Mach & bldg depreciation | | 66.66 | 51.37 | 28.81 | 36.63 |
| Total dir & ovhd expenses per acre 657.49 653.81 482.20 390.09 733.28 Net return per acre 124.53 204.30 367.90 135.83 518.84 Government payments 30.18 40.24 8.65 20.75 - Net return with govt pmts 154.71 244.54 376.56 156.58 518.84 Labor & management charge 44.78 52.09 33.59 26.85 42.67 Net return over lbr & mgt 109.93 192.46 342.97 129.74 476.17 Cost of Production 2.69 20.12 61.93 6.02 20.71 Total direct expense per bu. 2.69 20.12 61.93 6.02 20.71 Total dir & ovhd exp per bu. 3.37 27.68 91.62 7.66 25.24 Less govt & other income 2.93 24.25 87.35 6.62 22.52 With labor & management 3.16 26.45 93.73 7.15 23.98 Net value per unit 3.72 34.60 < | | 5.56 | 5.56 | 4.09 | 2.36 | 8.42 |
| Net return per acre 124.53 204.30 367.90 135.83 518.84 Government payments 30.18 40.24 8.65 20.75 - Net return with govt pmts 154.71 244.54 376.56 156.58 518.84 Labor & management charge 44.78 52.09 33.59 26.85 42.67 Net return over lbr & mgt 109.93 192.46 342.97 129.74 476.17 Cost of Production 700 20.12 61.93 6.02 20.71 Total direct expense per bu. 2.69 20.12 61.93 6.02 20.71 Total dir & ovhd exp per bu. 3.37 27.68 91.62 7.66 25.24 Less govt & other income 2.93 24.25 87.35 6.62 22.52 With labor & management 3.16 26.45 93.73 7.15 23.98 Net value per unit 3.72 34.60 158.90 9.66 40.37 Machinery cost per acre 147.78 233.92 175.77 | Total overhead expenses per acre | | | | | |
| Government payments 30.18 40.24 8.65 20.75 - Net return with govt pmts 154.71 244.54 376.56 156.58 518.84 Labor & management charge 44.78 52.09 33.59 26.85 42.67 Net return over lbr & mgt 109.93 192.46 342.97 129.74 476.17 Cost of Production Total direct expense per bu. 2.69 20.12 61.93 6.02 20.71 Total dir & ovhd exp per bu. 3.37 27.68 91.62 7.66 25.24 Less govt & other income 2.93 24.25 87.35 6.62 22.52 With labor & management 3.16 26.45 93.73 7.15 23.98 Net value per unit 3.72 34.60 158.90 9.66 40.37 Machinery cost per acre 147.78 233.92 175.77 98.56 160.10 Est. labor hours per acre 3.06 3.98 3.43 1.76 2.86 | Total dir & ovhd expenses per acre | 657.49 | 653.81 | 482.20 | 390.09 | 733.28 |
| Net return with govt pmts 154.71 244.54 376.56 156.58 518.84 Labor & management charge 44.78 52.09 33.59 26.85 42.67 Net return over lbr & mgt 109.93 192.46 342.97 129.74 476.17 Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. 2.69 20.12 61.93 6.02 20.71 Total dir & ovhd exp per bu. 3.37 27.68 91.62 7.66 25.24 Less govt & other income 2.93 24.25 87.35 6.62 22.52 With labor & management 3.16 26.45 93.73 7.15 23.98 Net value per unit 3.72 34.60 158.90 9.66 40.37 Machinery cost per acre 147.78 233.92 175.77 98.56 160.10 Est. labor hours per acre 3.06 3.98 3.43 1.76 2.86 | Net return per acre | 124.53 | 204.30 | 367.90 | 135.83 | 518.84 |
| Net return with govt pmts 154.71 244.54 376.56 156.58 518.84 Labor & management charge 44.78 52.09 33.59 26.85 42.67 Net return over lbr & mgt 109.93 192.46 342.97 129.74 476.17 Cost of Production Total direct expense per bu. 2.69 20.12 61.93 6.02 20.71 Total dir & ovhd exp per bu. 3.37 27.68 91.62 7.66 25.24 Less govt & other income 2.93 24.25 87.35 6.62 22.52 With labor & management 3.16 26.45 93.73 7.15 23.98 Net value per unit 3.72 34.60 158.90 9.66 40.37 Machinery cost per acre 147.78 233.92 175.77 98.56 160.10 Est. labor hours per acre 3.06 3.98 3.43 1.76 2.86 | Government payments | 30.18 | 40.24 | 8.65 | 20.75 | - |
| Labor & management charge 44.78 52.09 33.59 26.85 42.67 Net return over lbr & mgt 109.93 192.46 342.97 129.74 476.17 Cost of Production Total direct expense per bu. 2.69 20.12 61.93 6.02 20.71 Total dir & ovhd exp per bu. 3.37 27.68 91.62 7.66 25.24 Less govt & other income 2.93 24.25 87.35 6.62 22.52 With labor & management 3.16 26.45 93.73 7.15 23.98 Net value per unit 3.72 34.60 158.90 9.66 40.37 Machinery cost per acre 147.78 233.92 175.77 98.56 160.10 Est. labor hours per acre 3.06 3.98 3.43 1.76 2.86 | • • | 154.71 | 244.54 | 376.56 | 156.58 | 518.84 |
| Net return over lbr & mgt 109.93 192.46 342.97 129.74 476.17 Cost of Production 2.69 20.12 61.93 6.02 20.71 Total dir & ovhd exp per bu. 3.37 27.68 91.62 7.66 25.24 Less govt & other income 2.93 24.25 87.35 6.62 22.52 With labor & management 3.16 26.45 93.73 7.15 23.98 Net value per unit 3.72 34.60 158.90 9.66 40.37 Machinery cost per acre 147.78 233.92 175.77 98.56 160.10 Est. labor hours per acre 3.06 3.98 3.43 1.76 2.86 | 9 . | 44.78 | 52.09 | 33.59 | 26.85 | 42.67 |
| Total direct expense per bu. 2.69 20.12 61.93 6.02 20.71 Total dir & ovhd exp per bu. 3.37 27.68 91.62 7.66 25.24 Less govt & other income 2.93 24.25 87.35 6.62 22.52 With labor & management 3.16 26.45 93.73 7.15 23.98 Net value per unit 3.72 34.60 158.90 9.66 40.37 Machinery cost per acre 147.78 233.92 175.77 98.56 160.10 Est. labor hours per acre 3.06 3.98 3.43 1.76 2.86 | | 109.93 | 192.46 | 342.97 | 129.74 | 476.17 |
| Total dir & ovhd exp per bu. 3.37 27.68 91.62 7.66 25.24 Less govt & other income 2.93 24.25 87.35 6.62 22.52 With labor & management 3.16 26.45 93.73 7.15 23.98 Net value per unit 3.72 34.60 158.90 9.66 40.37 Machinery cost per acre 147.78 233.92 175.77 98.56 160.10 Est. labor hours per acre 3.06 3.98 3.43 1.76 2.86 | Cost of Production | | | | | |
| Total dir & ovhd exp per bu. 3.37 27.68 91.62 7.66 25.24 Less govt & other income 2.93 24.25 87.35 6.62 22.52 With labor & management 3.16 26.45 93.73 7.15 23.98 Net value per unit 3.72 34.60 158.90 9.66 40.37 Machinery cost per acre 147.78 233.92 175.77 98.56 160.10 Est. labor hours per acre 3.06 3.98 3.43 1.76 2.86 | | 2.69 | 20.12 | 61.93 | 6.02 | 20.71 |
| Less govt & other income 2.93 24.25 87.35 6.62 22.52 With labor & management 3.16 26.45 93.73 7.15 23.98 Net value per unit 3.72 34.60 158.90 9.66 40.37 Machinery cost per acre 147.78 233.92 175.77 98.56 160.10 Est. labor hours per acre 3.06 3.98 3.43 1.76 2.86 | | | 27.68 | | | 25.24 |
| With labor & management 3.16 26.45 93.73 7.15 23.98 Net value per unit 3.72 34.60 158.90 9.66 40.37 Machinery cost per acre 147.78 233.92 175.77 98.56 160.10 Est. labor hours per acre 3.06 3.98 3.43 1.76 2.86 | · | | | | | |
| Net value per unit 3.72 34.60 158.90 9.66 40.37 Machinery cost per acre 147.78 233.92 175.77 98.56 160.10 Est. labor hours per acre 3.06 3.98 3.43 1.76 2.86 | | | | | | |
| Machinery cost per acre 147.78 233.92 175.77 98.56 160.10 Est. labor hours per acre 3.06 3.98 3.43 1.76 2.86 | | | | | | |
| Est. labor hours per acre 3.06 3.98 3.43 1.76 2.86 | | | | | | |
| | | | | | | |
| | - | | | | | |

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

Crop Enterprise Analysis

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

Owned and Rented Acres Combined *

| | <u>Barley</u> | <u>Oats</u> | <u>Rye</u> | <u>Canola</u> | Sunflowers |
|--|-----------------|----------------|---------------|-----------------|---------------|
| Number of farms | 11 | 40 | 18 | 5 | 10 |
| Acres | 248.04 | 97.98 | 107.22 | 412.00 | 300.51 |
| Yield per acre | 57.12 | 83.86 | 33.01 | 16.66 | 17.16 |
| Operators share of yield % | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| Value | 4.71 | 2.70 | 4.86 | 20.52 | 19.97 |
| Other product return per acre | 0.88 | 18.45 | 37.36 | - | - |
| Total product return per acre | 269.67 | 244.60 | 197.83 | 341.88 | 342.64 |
| Crop insurance per acre | 27.88 | 1.44 | - | - | 21.36 |
| Other crop income per acre | 35.36 | 28.42 | 17.39 | 32.29 | 29.00 |
| Gross return per acre | 332.91 | 274.46 | 215.22 | 374.17 | 393.00 |
| Direct Expenses | | | | | |
| Seed | 22.35 | 14.93 | 20.51 | 50.65 | 42.17 |
| Fertilizer | 71.22 | 36.83 | 29.29 | 97.71 | 57.48 |
| Crop chemicals | 26.70 | 13.03 | 2.57 | 49.56 | 36.27 |
| Crop insurance | 13.89 | 5.80 | 1.19 | 10.38 | 13.16 |
| Fuel & oil | 15.23 | 13.86 | 14.52 | 13.62 | 11.89 |
| Repairs | 28.48 | 22.83 | 25.50 | 25.64 | 26.60 |
| Custom hire & trucking | 7.95 | 4.67 | 10.62 | 6.66 | 16.81 |
| Hired labor | 0.47 | 1.40 | 2.18 | | - |
| Land Rent | 70.07 | 32.35 | 70.21 | 58.19 | 55.98 |
| Machine Leases | 0.39 | 1.25 | - | - | 7.00 |
| Operating interest | 5.95 | 5.16 | 6.30 | 6.50 | 7.26 |
| Miscellaneous | 2.92 | 3.72 | 7.19 | 0.14 | 3.61 |
| Total direct expenses per acre | 267.26 | 155.53 | 190.08 | 318.44 | 271.25 |
| Return over direct exp per acre | 65.66 | 118.93 | 25.14 | 55.73 | 121.75 |
| Overhead Expenses | | | | | |
| Hired labor | 8.11 | 10.37 | 7.24 | 5.45 | 12.36 |
| Machinery leases | 4.33 | 1.83 | 1.13 | 4.48 | 1.98 |
| Building leases | 1.71 | 1.25 | 0.70 | 0.24 | 1.44 |
| RE & pers. property taxes | 0.24 | 4.94 | 1.23 | 0.99 | 2.27 |
| Farm insurance | 5.10 | 4.50 | 6.52 | 7.94 | 5.95 |
| Utilities | 3.75 | 3.56 | 3.23 | 3.31 | 6.23 |
| Dues & professional fees | 3.00 | 1.72 | 2.94 | 0.65 | 1.98 |
| Interest | 5.62 15.41 | 16.85 23.47 | 6.02 31.21 | 7.50 | 7.31 22.39 |
| Mach & bldg depreciation | 1.69 | 2.03 | 4.16 | 27.01 1.45 | 22.39 |
| Miscellaneous | | 70.52 | 64.39 | | 64.45 |
| Total overhead expenses per ac | 48.94 316.20 | 226.05 | 254.47 | 59.01 377.45 | 335.70 |
| Total dir & ovhd expenses per a Net return per acre | 16.71 | 48.41 | -39.25 | -3.28 | 57.30 |
| • | | | | | |
| Government payments | 30.16 | 20.42 | 11.19 | 25.82 | 23.57 |
| Net return with govt pmts | 46.87 | 68.82 | -28.06 | 22.54 | 80.87 |
| Labor & management charge | 22.37 | 23.08 | 24.63 | 30.45 | 28.37 |
| Net return over lbr & mgt | 24.50 | 45.74 | -52.70 | -7.91 | 52.51 |
| Cost of Production | | | | | |
| Total direct expense per bu. | 4.68 | 1.85 | 5.76 | 19.12 | 15.81 |
| Total dir & ovhd exp per bu. | 5.54 | 2.70 | 7.71 | 22.66 | 19.57 |
| Less govt & other income | 3.89 | 1.88 | 5.71 | 19.17 | 15.26 |
| With labor & management | 4.28 | 2.15 | 6.46 | 21.00 | 16.91 |
| Net value per unit | 4.71 | 2.70 | 4.86 | 20.52 | 19.97 |
| Machinery cost per acre | 72.81 | 67.73 | 81.32 | 78.77 | 80.75 |
| Est. labor hours per acre | 1.28 | 2.03 | 2.13 | 1.33 | 1.74 |
| | | | | | |

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

Crop Enterprise Analysis

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

Owned and Rented Acres Combined *

| Beans, Beans, <u>Navy</u> <u>Black Turtle</u> <u>Field Peas</u> | Soybeans, <u>Seed</u> |
|--|--------------------------|
| Number of farms 7 7 5 | 14 |
| Acres 281.63 163.79 205.20 | 447.55 |
| Yield per acre 18.48 21.41 36.92 | 43.62 |
| Operators share of yield % 100.00 100.00 100.00 | 100.00 |
| Value 28.39 25.33 6.80 | 10.85 |
| Total product return per acre 524.58 542.48 251.12 | 473.16 |
| Crop insurance per acre 132.76 1.92 - | 21.88 |
| Other crop income per acre 21.84 54.79 4.73 | 40.48 |
| Gross return per acre 679.19 599.19 255.85 | 535.52 |
| Direct Expenses | |
| Seed 55.89 71.81 34.78 | 52.45 |
| Fertilizer 36.47 131.14 27.58 | 33.16 |
| Crop chemicals 66.00 91.12 19.29 | 33.47 |
| Crop insurance 27.26 25.79 12.50 | 10.53 |
| Fuel & oil 18.90 10.87 13.10 | 11.97 |
| Repairs 32.66 44.91 33.64 | 27.80 |
| Custom hire 1.89 48.82 1.94 | 6.75 |
| Hired labor 0.76 13.25 - | 0.59 |
| Land Rent 100.73 101.63 79.41 | 68.18 |
| Machinery Leases 0.86 7.05 - | 2.84 |
| Operating interest 10.95 3.73 7.65 | 9.84 |
| Miscellaneous 2.52 27.98 2.36 | 5.66 |
| Total direct expenses per acre 354.90 578.11 232.23 | 263.24 |
| Return over direct exp per acre 324.29 21.08 23.62 | 272.28 |
| Overhead Expenses | |
| Hired labor 18.22 11.58 14.34 | 18.61 |
| Machinery leases 6.39 0.39 1.80 | 4.91 |
| Building leases 2.37 0.21 1.34 | 0.18 |
| RE & pers. property taxes 5.09 2.78 1.85 | 6.84 |
| Farm insurance 4.89 3.48 4.35 | 5.23 |
| Utilities 4.21 2.88 2.74 | 4.16 |
| Dues & professional fees 4.75 3.02 3.53 | 2.89 |
| Interest 25.49 1.40 11.01 | 16.96 |
| Mach & bldg depreciation 24.44 29.54 18.19 Miscellaneous 3.02 3.90 3.31 | 30.62 2.05 |
| | 92.45 |
| | 355.68 |
| Total dir & ovhd expenses per acre 453.77 637.28 294.68 Net return per acre 225.42 -38.10 -38.83 | 179.84 |
| | |
| Government payments 1.18 | 22.52 |
| Net return with govt pmts 225.42 -38.10 -37.65 | 202.36 |
| Labor & management charge 13.95 43.47 22.17 | 27.18 |
| Net return over lbr & mgt 211.47 -81.57 -59.82 | 175.18 |
| Cost of Production | |
| Total direct expense per bu. 19.21 27.00 6.29 | 6.04 |
| Total dir & ovhd exp per bu. 24.56 29.76 7.98 | 8.15 |
| Less govt & other income 16.19 27.11 7.82 | 6.21 |
| With labor & management 16.95 29.14 8.42 | |
| | 6.83 |
| | 6.83 10.85 |
| | |

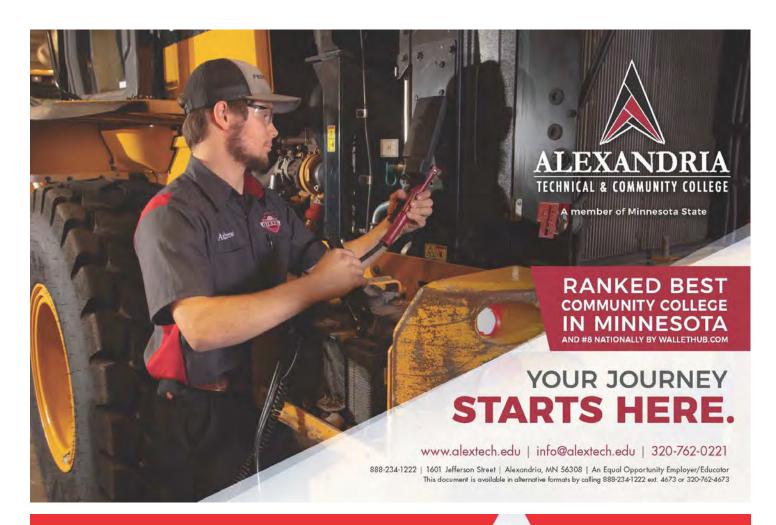
^{*} Combined data for rented and owned land. Actual land cost is the sum of: Land Rent, Interest, & RE taxes.

Crop Enterprise Analysis Northern Minnesota Farm Business Management Data (Farms Sorted By Return to Overhead) Owned and Rented Acres Combined *

| Ownea | ana | Rentea | Acres | Combinea | ^ |
|-------|-----|--------|-------|----------|---|
| | | | | | |

| | Organic <u>Corn</u> | Organic <u>Corn Silage</u> | Organic <u>Hay, Alfalfa</u> | Organic <u>Oats</u> |
|---|------------------------|-------------------------------|--------------------------------|------------------------|
| Number of farms | 9 | 8 | 9 | 5 |
| Acres | 57.87 | 32.03 | 150.78 | 48.80 |
| Yield per acre | 107.74 | 12.87 | 2.57 | 29.32 |
| Operators share of yield % | 100.00 | 100.00 | 100.00 | 100.00 |
| Value | 7.17 | 73.88 | 157.13 | 4.52 |
| Total product return per acre | 772.44 | 950.72 | 403.92 | 141.00 |
| Crop insurance per acre | 13.49 | - | 3.37 | 51.92 |
| Other crop income per acre | 22.04 | 41.43 | 12.96 | 20.63 |
| Gross return per acre | 807.97 | 992.15 | 420.25 | 213.54 |
| Direct Expenses | | | | |
| Seed and Plants | 82.49 | 103.75 | 1.02 | 16.05 |
| Fertilizer | 133.54 | 60.95 | 8.99 | - |
| Organic Crop Protection | 3.22 | 3.50 | 0.29 | - |
| Crop insurance | 9.60 | 14.78 | 0.37 | 11.26 |
| Drying expense Packaging and Supplies | 5.99 0.95 | - 17.26 | 10.25 | 0.25 |
| Fuel & oil | 23.51 | 25.44 | 18.29 | 13.98 |
| Repairs | 39.01 | 72.56 | 39.56 | 36.10 |
| Custom hire and Trucking | 6.56 | 21.97 | 19.90 | 2.35 |
| Land Rent | 59.69 | 20.20 | 12.59 | 39.65 |
| Marketing | 0.25 | - | - | - |
| Organic Certification | 4.03 | 4.06 | 2.13 | 3.04 |
| Operating interest | 10.75 | 5.58 | 9.49 | 2.20 |
| Miscellaneous | 8.57 | 6.84 | 8.04 | 6.57 |
| Total direct expenses per acre | 388.17 | 356.89 | 130.94 | 131.46 |
| Return over direct exp per acre | 419.80 | 635.26 | 289.31 | 82.08 |
| Overhead Expenses | | | | |
| Hired labor | 11.43 | 16.98 | 11.24 | 8.37 |
| Mach and bldg leases | 2.45 4.18 | 9.00 | 1.96 | 2.61 1.97 |
| RE & pers. property taxes Farm insurance | 4.16 6.19 | 8.90 5.45 | 5.99 10.54 | 6.18 |
| Utilities | 6.19 | 9.98 | 4.20 | 5.55 |
| Dues & professional fees | 3.61 | 3.43 | 2.76 | 2.29 |
| Interest | 13.63 | 39.21 | 20.07 | 4.36 |
| Mach & bldg depreciation | 61.15 | 39.39 | 29.57 | 16.55 |
| Miscellaneous | 5.71 | 7.73 | 1.20 | 2.78 |
| Total overhead expenses per acre | 114.56 | 131.07 | 87.55 | 50.66 |
| Total dir & ovhd expenses per acre | 502.72 | 487.96 | 218.49 | 182.12 |
| Net return per acre | 305.24 | 504.20 | 201.76 | 31.42 |
| Government payments | 32.29 | 40.99 | 3.27 | 32.88 |
| Net return with govt pmts | 337.54 | 545.19 | 205.03 | 64.30 |
| Labor & management charge | 46.01 | 72.20 | 37.86 | 38.99 |
| Net return over lbr & mgt | 291.53 | 472.99 | 167.17 | 25.31 |
| Cost of Production | | | | |
| Total direct expense / Unit of Production | 3.60 | 27.73 | 50.94 | 4.48 |
| Total dir & ovhd exp / Unit of Production | 4.67 | 37.92 31.51 | 84.99 77.27 | 6.21 |
| Less govt & other income | 4.04 | 31.51 | 77.37 | 2.33 |
| With labor & management | 4.46 | 37.12 | 92.10 | 3.66 |
| Net value per unit | 7.17 | 73.88 | 157.13 | 4.52 |
| Machinery cost per acre | 142.59 | 170.63 | 117.15 | 80.05 |
| Est. labor hours per acre | 4.39 | 4.83 | 4.54 | 2.17 |

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





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Dairy -- Average Per Cwt. Of Milk

| | Avg. O | | 40 - 6 | 40 - 60% | | High 20% | |
|---|---|---|---|---|---|---|--|
| Number of farms | 2 | 275 | : | 55 | | 55 | |
| 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 net cost Gross margin | Quantity 99.43 0.00 0.00 0.00 0.00 0.00 0.00 | Value 19.66 0.16 0.19 0.80 0.11 2.27 0.21 -0.28 -0.15 0.33 -2.70 20.60 | Quantity 99.60 0.00 0.00 0.00 0.00 | Value 19.72 0.13 0.27 0.84 0.09 2.24 0.33 -0.73 -0.07 0.59 -2.73 20.67 | Quantity 99.12 0.00 0.00 0.00 0.00 | Value 20.03 0.17 0.18 0.82 0.19 2.27 0.34 -0.05 -0.23 0.28 -2.27 21.73 | |
| Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) 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 | 14.49 7.85 0.26 79.81 10.74 19.15 | 2.91 1.86 0.93 1.40 0.78 0.84 0.20 0.45 0.59 0.28 0.81 0.35 1.47 0.34 0.33 0.58 14.14 6.46 | 16.86 10.04 0.23 72.82 12.19 19.69 | 3.17 1.98 0.81 1.28 0.85 0.95 0.16 0.52 0.50 0.32 0.80 0.27 1.95 0.31 0.35 0.65 14.87 5.79 | 14.41 4.25 0.26 77.65 9.38 16.01 | 3.22 1.13 0.93 1.35 0.69 0.73 0.23 0.47 0.47 0.24 0.81 0.28 0.29 0.29 0.29 0.28 0.43 11.85 9.88 | |
| Overhead Expenses Hired labor Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 0.49 0.24 0.40 0.77 0.70 2.60 16.74 3.86 | | 0.26 0.21 0.42 0.73 0.77 2.38 17.26 3.41 | | 1.32 0.34 0.35 0.95 0.59 3.55 15.40 6.34 | |
| Labor & management charge Net return over lbr & mgt | | 0.77 3.09 | | 0.65 2.76 | | 0.96 5.37 | |
| 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 | | 14.14 16.74 15.88 16.65 | | 14.87 17.26 16.36 17.01 | | 11.85 15.40 13.81 14.77 | |
| Est. labor hours per unit | | 0.15 | | 0.15 | | 0.14 | |
| Other Information Number of cows Milk produced per cow Lbs of protein & fat per cow Lb. of milk sold per FTE Culling percentage Turnover rate Cow death loss percent 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 | | 243.4 24,983 1,745 1,803,750 29.2 35.6 6.0 21 8.73 2,180.21 490.44 19.77 11.05 | | 307.2 25,460 1,745 1,831,440 28.9 35.2 5.9 22 9.04 2,301.55 562.61 19.80 10.76 | | 258.0 27,568 1,916 2,007,189 30.3 35.7 4.7 24 8.06 2,221.16 445.24 20.21 12.15 | |

Dairy -- Average Per Cow

| | Avg. All Far | | 40 - | 60% | Hiah 20% | | |
|--|---|---|---|---|--|--|--|
| Number of farms | | 275 | | 55 | J | 55 | |
| 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 net cost Gross margin | Quantity 24,842.0 0.3 0.7 0.3 0.1 0.1 0.4 0.1 | Value 4,912.24 39.90 48.51 200.20 26.88 565.94 52.70 -70.29 -38.27 83.58 -674.35 5,147.05 | Quantity 25,357.1 0.3 0.8 0.3 0.1 0.1 0.4 0.1 | Value 5,021.44 32.93 68.28 213.02 22.05 571.37 82.93 -185.62 -18.18 149.23 -695.85 5,261.61 | Quantity 27,325.2 0.4 0.7 0.3 0.0 0.4 0.0 | Value 5,521,31 46.86 50.37 226.12 51.41 625.32 93.30 -14.10 -62.21 78.47 -625.44 5,991.40 | |
| 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 | 3,620.7 1,962.0 65.1 19,939.9 2,682.2 4,783.6 | 727.80 465.12 233.41 348.96 195.18 209.74 49.97 113.40 147.98 69.01 203.53 88.06 368.37 84.46 82.33 145.27 3,532.59 1,614.45 | 4,291.3 2,557.3 57.7 18,539.3 3,104.7 5,013.5 | 808.29 504.11 205.64 326.07 215.69 241.75 41.51 131.29 128.51 80.42 204.00 67.53 497.06 79.90 89.02 165.48 3,786.26 1,475.35 | 3,972.6 1,170.5 72.6 21,406.9 2,585.8 4,414.6 | 887.57 312.23 257.22 371.68 190.36 202.09 62.52 128.95 129.80 67.37 224.10 77.26 81.04 80.92 75.84 117.42 3,266.38 2,725.02 | |
| Overhead Expenses Hired labor Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 122.07 59.30 100.42 192.39 175.99 650.17 4,182.76 964.28 | | 65.55 53.06 107.67 184.89 195.75 606.92 4,393.17 868.43 | | 364.20 93.30 95.20 263.06 162.19 977.95 4,244.33 1,747.07 | |
| Labor & management charge Net return over lbr & mgt | | 192.41 771.87 | | 165.26 703.17 | | 265.57 1,481.50 | |
| 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 | | 14.14 16.74 15.88 16.65 | | 14.87 17.26 16.36 17.01 | | 11.85 15.40 13.81 14.77 | |
| Est. labor hours per unit | | 38.56 | | 38.77 | | 38.12 | |
| Other Information Number of cows Milk produced per cow Lbs of protein & fat per cow Lb. of milk sold per FTE Culling percentage Turnover rate Cow death loss percent Cows per milking unit Feed cost per cwt. of milk Feed cost per cow Avg. milk price per cwt. Milk price / feed margin | | 243.4 24,983 1,745 1,803,750 29.2 35.6 6.0 21 8.73 2,180.21 490.44 19.77 11.05 | | 307.2 25,460 1,745 1,831,440 28.9 35.2 5.9 22 9.04 2,301.55 562.61 19.80 10.76 | | 258.0 27,568 1,916 2,007,189 30.3 35.7 4.7 24 8.06 2,221.16 445.24 20.21 12.15 | |

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

Dairy -- Average Per Cow

| | Avg. Of All Farms | | 40 - | 60% | High 20% | | |
|--|---|---|--|--|--|--|--|
| Number of farms | | 22 | | 5 | | 5 | |
| 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 net cost Gross margin | Quantity 13,934.2 0.4 0.3 0.2 0.1 0.2 0.0 | Value 4,110.93 98.68 28.10 204.29 15.42 431.13 76.70 -74.16 -28.34 32.54 -742.57 4,152.72 | Quantity 11,817.8 0.3 0.3 0.2 | Value 3,504.27 22.56 42.64 138.44 8.61 400.45 71.06 | Quantity 16,582.0 0.6 0.2 0.3 0.4 0.2 0.3 | Value 4,732.19 53.88 20.37 261.74 78.27 305.92 43.04 -479.32 -534.72 -462.50 5,088.32 | |
| Direct Expenses Protein Vit Minerals (lb.) Corn (bu.) Soybeans, Organic (bu.) Corn, Organic (bu.) Corn Silage, Organic (lb.) Hay, Alfalfa, Organic (lb.) Hay, Mixed, Organic (lb.) Hay, Baleage (lb.) Haylage, Alfalfa Organic (lb.) Other feed stuffs (lb) Breeding fees Supplies Repairs Hired labor Hauling and trucking Miscellaneous Total direct expenses Return over direct expense | 1,145.0 4.4 1.1 46.8 9,417.5 3,862.4 1,431.7 816.6 3,084.0 2,297.1 | 342.01 24.44 19.05 352.14 306.87 406.72 95.72 30.62 140.26 270.21 22.50 114.05 177.89 141.18 129.32 411.45 2,984.45 1,168.27 | 918.1 4.7 40.2 10,306.2 1,816.6 2,614.1 3,646.1 1,283.2 | 317.56 32.84 | 1,171.0 21.9 6.8 69.0 6,180.8 3,132.7 - - 4,135.2 4,194.6 | 326.63 110.40 123.11 528.44 156.58 268.75 243.86 327.49 17.70 90.55 203.51 65.40 33.78 274.47 2,770.66 2,317.66 | |
| Overhead Expenses Hired labor Building leases Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 45.82 60.50 89.82 170.19 175.18 541.51 3,525.95 626.76 | | 14.33 31.44 134.82 303.89 182.98 667.45 3,182.15 485.32 | | 145.63 295.22 55.97 68.15 199.94 764.91 3,535.56 1,552.75 | |
| Labor & management charge Net return over lbr & mgt | | 298.10 328.66 | | 418.04 67.28 | | 560.26 992.49 | |
| 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 | | 21.03 24.84 25.00 27.10 | | 20.88 26.43 25.56 29.03 | | 16.60 21.18 19.20 22.55 | |
| Est. labor hours per unit | | 36.70 | | 40.41 | | 41.88 | |
| Other Information Number of cows Milk produced per cow Lbs of protein & fat per cow Lb. of milk sold per FTE Culling percentage Turnover rate Cow death loss percent 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 | | 95.2 14,194 984 1,063,050 21.3 25.9 3.5 13 14.01 1,988.05 187.00 29.50 15.50 | | 93.8 12,041 849 818,890 15.4 20.3 4.5 13 14.82 1,784.33 129.47 29.65 14.83 | | 64.8 16,696 1,137 1,108,600 29.0 34.6 4.3 9 12.49 2,085.25 211.03 28.54 16.05 | |

Dairy -- Average Per Cow

| | Up to | | | 50 00 | 100 200 | | 200 500 | | Over 500 | |
|---|--|--|--|--|--|---|--|--|--|---|
| Number of farms | | 29 | (| 69 | | 79 | (| 69 | | 29 |
| 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 net cost Gross margin | Quantity 16,059.9 0.2 0.5 0.2 | Value 3,138.96 29.37 66.53 145.54 21.32 468.00 33.16 -41.14 -40.36 43.58 -436.21 3,428.76 | Quantity 20,592.2 0.2 0.7 0.3 0.0 0.0 0.3 0.0 | Value 4,040.08 27.72 53.01 189.09 30.18 539.52 64.83 -26.33 -95.92 17.29 -561.71 4,277.75 | Quantity 22,158.0 0.3 0.6 0.3 0.0 0.0 0.4 0.0 | Value 4,389.53 32.38 59.21 214.07 23.66 538.36 73.76 -63.29 -39.69 45.88 -734.86 4,539.01 | Quantity 24,743.6 0.3 0.7 0.3 0.0 0.0 0.4 0.0 | Value 4,836.77 37.41 43.09 209.98 40.63 675.09 71.96 -20.59 -34.10 26.39 -670.54 5,216.09 | Quantity 27,243.6 0.4 0.8 0.3 0.1 0.4 0.1 | Value 5,436.14 47.90 46.70 190.89 16.85 499.74 26.82 -122.74 -29.40 159.84 -683.58 5,589.16 |
| 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 Repairs Custom hire Hired labor Hauling and trucking Bedding Miscellaneous Total direct expenses Return over direct expense | 2,120.8 853.6 58.1 16,804.0 3,502.3 4,427.2 | 450.87 178.81 202.59 284.68 259.73 247.19 39.22 66.36 129.79 132.47 16.52 22.87 84.31 46.90 220.66 2,382.97 1,045.79 | 2,558.5 1,471.6 65.6 17,569.8 3,559.2 6,469.6 | 650.28 266.36 224.97 289.94 259.17 252.34 44.89 83.70 129.25 175.87 39.94 83.05 78.15 79.55 219.03 2,876.49 1,401.27 | 3,006.4 1,999.2 66.8 17,969.5 3,373.7 4,661.8 | 697.89 340.13 233.91 308.51 254.36 210.71 42.33 87.21 121.55 188.68 65.36 115.51 75.44 88.47 196.99 3,027.05 1,511.96 | 3,376.9 1,893.7 61.0 20,565.5 2,959.3 4,197.4 | 719.48 534.11 214.51 361.05 208.65 173.06 46.68 107.83 137.34 208.31 69.13 344.94 71.73 98.69 231.66 3,527.17 1,688.92 | 4,344.7 2,141.6 67.8 20,868.7 1,962.7 4,979.4 | 773.32 513.75 251.14 370.68 144.18 228.59 57.25 136.65 172.07 214.27 125.12 564.19 99.67 68.64 206.54 3,926.07 1,663.09 |
| Overhead Expenses Hired labor Building leases Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 11.49 34.47 93.42 165.04 142.28 446.70 2,829.67 599.09 | | 60.42 20.82 86.97 186.47 198.06 552.73 3,429.21 848.54 | | 132.84 21.06 126.43 203.98 199.53 683.84 3,710.89 828.12 | | 133.52 84.94 111.20 203.65 165.81 699.12 4,226.29 989.80 | | 125.02 66.94 83.79 180.77 167.80 624.32 4,550.39 1,038.77 |
| Labor & management charge Net return over lbr & mgt | | 401.88 197.22 | | 320.99 527.55 | | 225.95 602.17 | | 212.54 777.26 | | 128.40 910.37 |
| Cost of Production Per Cwt. Of M Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management | ilk | 14.69 17.45 15.80 18.27 | | 13.85 16.51 15.47 17.02 | | 13.59 16.66 16.08 17.10 | | 14.16 16.97 15.54 16.39 | | 14.35 16.63 16.12 16.59 |
| Est. labor hours per unit | | 44.25 | | 33.90 | | 31.74 | | 38.18 | | 42.46 |
| Other Information Number of cows Milk produced per cow Lbs of protein & fat per cow Lb. of milk sold per FTE Culling percentage Turnover rate Cow death loss percent 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 | | 36.6 16,218 1,210 1,016,331 23.1 29.5 6.1 9 10.01 1,623.86 34.37 19.55 9.53 | | 78.8 20,770 1,489 1,700,998 26.1 33.6 6.0 11 9.36 1,943.05 143.47 19.62 10.26 | | 145.6 22,277 1,553 1,954,938 30.2 37.4 6.3 15 9.18 2,045.52 248.35 19.81 10.63 | | 314.4 24,909 1,742 1,814,647 30.3 36.8 6.0 23 8.88 2,210.85 478.46 19.55 10.67 | | 939.1 27,367 1,902 1,796,546 28.7 34.6 5.9 32 8.34 2,281.67 689.21 19.95 11.62 |

Dairy and Repl Heifers -- Average Per Cow

| | Avg. (All Far | | 40 - | 60% | High | 20% |
|---|--|---|--|---|--|---|
| Number of farms | | 237 | | 48 | _ | 48 |
| 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 25,103.2 - - - - - | Value 4,958.63 67.60 39.33 207.15 26.82 594.02 27.85 -74.26 -3.35 110.31 5,954.10 | Quantity 26,037.8 - - - - | Value 5,148.75 38.08 55.94 214.69 24.01 600.79 52.96 -191.75 -9.09 217.82 6,152.19 | Quantity 27,336.2 - - - - - | Value 5,496.40 102.29 32.27 236.20 48.73 645.94 68.80 -16.92 -0.03 89.88 6,703.57 |
| 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 Contract production exp. Repairs Hired labor Bedding Miscellaneous Total direct expenses Return over direct expense | 3,974.8 2,691.6 68.3 24,312.0 3,783.7 6,227.8 | 785.40 563.42 245.35 427.03 264.74 282.43 66.26 133.79 155.40 134.51 232.69 417.73 104.47 409.06 4,222.27 1,731.83 | 4,132.4 3,198.8 66.2 22,465.0 4,204.5 6,239.3 | 741.96 728.29 240.11 399.74 288.18 267.74 61.57 151.04 132.05 186.81 236.22 579.88 100.35 443.38 4,557.33 1,594.86 | 4,376.7 1,485.0 74.6 26,453.6 4,378.7 6,090.8 | 966.94 390.54 260.05 457.23 295.39 293.42 75.16 145.82 129.87 42.01 241.81 85.09 101.42 355.00 3,839.74 2,863.83 |
| Overhead Expenses Hired labor Building leases Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 133.64 69.47 67.18 110.79 216.32 128.25 725.64 4,947.91 1,006.20 | | 41.64 102.10 46.71 105.46 198.62 150.19 644.72 5,202.05 950.14 | | 410.26 40.77 101.77 103.17 311.59 134.95 1,102.52 4,942.26 1,761.31 |
| Labor & management charge Net return over lbr & mgt | | 217.67 788.53 | | 181.05 769.09 | | 301.95 1,459.36 |
| 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 | | 16.72 19.59 15.73 16.59 | | 17.45 19.92 16.12 16.81 | | 13.90 17.89 13.66 14.75 |
| Est. labor hours per unit | | 44.83 | | 44.34 | | 44.48 |
| Other Information Number of cows Milk produced per cow Lbs of protein & fat per cow Lb. of milk sold per FTE Culling percentage Turnover rate Cow death loss percent 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 | | 256.0 25,253 1,760 1,568,077 29.5 35.8 5.8 22 10.17 2,568.37 551.37 19.75 9.58 | | 337.6 26,109 1,797 1,644,106 28.9 35.2 5.9 23 10.21 2,666.03 621.52 19.77 9.56 | | 269.8 27,632 1,917 1,720,838 31.5 36.5 4.3 24 9.64 2,663.57 495.35 20.11 10.47 |

Dairy Replacement Heifers -- Average Per Head

| | Avg. Of All Farms | | 40 - 6 | 0% | High 20% | | |
|--|--|---|--|--|---|---|--|
| Number of farms | ; | 258 | : | 51 | • | 52 | |
| Replacements sold (hd) Transferred out (hd) Cull sales (hd) Government payments Other income Purchased (hd) Transferred in (hd) Inventory change (hd) Gross margin | Quantity 0.1 0.4 0.0 0.0 0.0 0.0 0.6 0.0 | Value 46.29 568.97 4.27 0.08 1.42 -8.63 -107.78 29.73 534.34 | Quantity 0.1 0.4 0.0 0.0 0.0 0.0 0.6 0.0 | Value 19.02 525.58 5.42 - 1.47 -2.36 -104.16 13.09 458.05 | Quantity 0.1 0.5 0.0 0.0 0.1 | Value 94.98 718.77 3.05 - 1.36 -14.32 -121.54 77.83 760.12 | |
| Direct Expenses Protein Vit Minerals (lb.) Milk Replacer (lb.) Milk (lb.) Complete Ration (lb.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Other feed stuffs (lb) Breeding fees Veterinary Supplies Contract production exp. Repairs Hired labor Bedding Miscellaneous Total direct expenses Return over direct expense | 370.2 20.0 106.4 759.0 5.6 5,270.9 1,078.6 682.9 1,637.6 | 81.49 23.60 14.52 88.70 19.25 89.98 68.94 34.49 50.55 16.85 21.30 14.03 106.50 33.32 37.39 23.55 28.39 752.84 -218.49 | 394.2 28.5 110.4 426.7 7.5 5,618.3 1,175.9 703.9 1,711.7 | 88.44 36.80 12.14 72.33 25.41 96.69 80.99 32.45 57.83 16.59 21.08 12.62 36.90 42.65 37.31 23.21 23.07 716.51 -258.46 | 277.1 4.7 117.9 420.3 4.3 4,222.0 551.5 642.3 1,399.2 | 41.62 5.96 16.48 94.06 14.55 69.61 35.75 31.51 30.99 17.54 23.65 16.87 150.61 28.93 24.89 19.57 25.30 647.89 112.23 | |
| Overhead Expenses Hired labor Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 22.12 17.22 34.58 36.25 110.17 863.01 -328.67 | | 27.89 17.43 45.90 37.38 128.60 845.11 -387.06 | | 23.13 15.07 32.35 42.35 112.89 760.78 -0.66 | |
| Labor & management charge Net return over lbr & mgt | | 33.83 -362.50 | | 48.34 -435.40 | | 25.92 -26.58 | |
| 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 | | 2.29 2.59 2.59 2.68 | | 2.20 2.55 2.55 2.68 | | 1.92 2.23 2.23 2.30 | |
| Est. labor hours per unit | | 6.10 | | 7.09 | | 5.49 | |
| 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 | | 128 114 211 3.8 471.51 59.51 875.16 1,814.78 1.29 547.20 473.63 | | 122 108 208 4.5 503.09 65.21 969.34 1,888.23 1.38 895.54 208.35 | | 188 158 277 2.4 340.54 48.01 596.52 1,472.01 0.93 406.74 833.28 | |

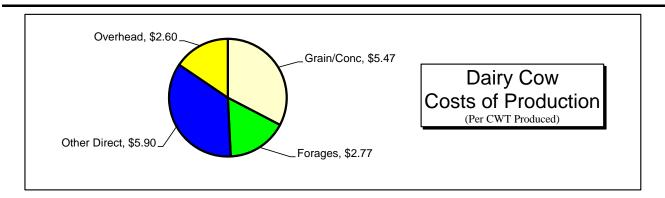
Dairy Feeder -- Average Per Cwt. Produced

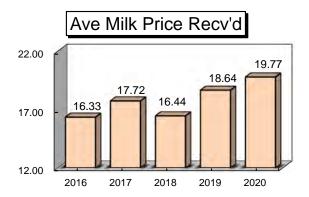
| | Avg. (All Fari | | High 34% | | |
|---|---|---|--|--|--|
| Number of farms | | 13 | _ | 5 | |
| Dairy Feeder sold (lb) Transferred out (lb) Government payments Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin | Quantity 65.58 79.42 -55.22 -6.28 16.50 | Value 71.77 84.77 22.36 -80.26 -10.36 21.04 109.32 | Quantity 100.40 - -19.05 -5.20 23.84 | Value 114.24 41.01 -23.57 -12.45 43.59 162.82 | |
| Direct Expenses Protein Vit Minerals (lb.) Milk Replacer (lb.) Milk (lb.) Complete Ration (lb.) Corn (bu.) Hay, Alfalfa (lb.) Other feed stuffs (lb) Veterinary Fuel & oil Repairs Custom hire Hired labor Bedding Miscellaneous Total direct expenses Return over direct expense | 62.75 1.99 16.57 60.97 3.93 68.92 87.18 | 12.83 2.56 2.15 10.60 14.47 5.15 3.85 5.03 1.47 3.04 2.94 1.17 3.36 3.41 72.01 37.31 | 28.66 0.11 46.55 152.64 3.23 - 36.49 | 7.29 0.11 6.03 28.25 11.51 0.95 8.45 2.90 4.12 5.55 2.00 80.28 82.54 | |
| Overhead Expenses Hired labor Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 2.61 1.22 2.36 3.27 2.09 11.56 83.57 25.75 | | 1.64 1.64 4.81 5.71 2.97 16.77 97.05 65.77 | |
| Labor & management charge Net return over lbr & mgt | | 5.09 20.66 | | 6.03 59.73 | |
| 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 | | 97.65 105.62 90.20 93.71 | | 72.42 89.13 48.28 54.29 | |
| Est. labor hours per unit | | 0.57 | | 0.56 | |
| Other Information No. purchased or trans in Number sold or trans out Percentage death loss Avg. daily gain (lb.) Lb. of conc / lb. of gain Lb. of feed / lb. of gain Feed cost per cwt. of gain Feed cost per head Hired labor per head Average purchase weight Avg wgt / Dairy Feeder sold Avg purch price / head Avg sales price / cwt. | | 163 144 3.4 1.85 3.53 5.09 51.60 170.95 12.54 240 448 348.53 109.43 | | 150 107 4.1 1.79 3.62 4.37 54.14 160.02 14.07 90 422 111.52 113.79 | |

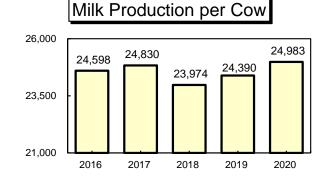
Dairy Finishing -- Average Per Cwt. Produced

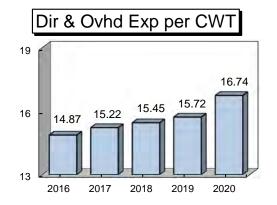
| | Avg. Of All Farms | | 40 - 60 | 0% | High 20% | |
|--|---|--|--|--|---|--|
| Number of farms | | 79 | • | 16 | | 16 |
| Dairy Finish sold (lb) Transferred out (lb) Government payments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin | Quantity 140.00 0.79 -44.75 -7.09 9.30 | Value 134.44 0.92 12.85 3.85 -47.43 -7.76 12.17 109.03 | Quantity 120.61 0.36 -26.69 -2.53 6.71 | Value 111.00 0.42 7.87 5.66 -34.94 -2.81 9.89 97.10 | Quantity 117.57 - -38.08 -1.58 21.15 | Value 116.49 - 14.86 2.08 -35.11 -2.96 28.86 124.23 |
| Direct Expenses Protein Vit Minerals (lb.) Milk (lb.) Complete Ration (lb.) Corn (bu.) DDGS, wet (lb.) Corn snaplage (lb.) Other feed stuffs (lb) Veterinary Contract production exp. Repairs Hired labor Marketing Bedding Operating interest Miscellaneous Total direct expenses Return over direct expense | 63.61 6.26 25.53 10.50 57.80 49.13 163.54 | 12.90 0.95 5.11 34.78 2.04 1.77 5.34 2.24 0.60 3.01 1.45 1.95 1.30 1.71 4.63 79.79 29.25 | 72.56 2.40 18.14 8.78 78.98 80.38 168.15 | 14.66 0.36 2.30 28.02 3.90 2.67 5.36 2.17 0.43 3.85 0.91 0.88 2.49 1.61 4.13 73.74 23.36 | 55.83 18.20 22.32 7.73 56.34 157.21 78.44 | 11.76 2.89 4.30 25.60 2.13 5.90 2.60 1.23 2.54 2.77 2.89 1.21 0.25 1.10 3.74 70.90 53.33 |
| Overhead Expenses Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 2.05 3.93 4.33 10.31 90.09 18.94 | | 2.14 4.22 5.54 11.90 85.64 11.46 | | 1.27 2.66 3.24 7.18 78.08 46.15 |
| Labor & management charge Net return over lbr & mgt | | 4.61 14.32 | | 4.97 6.49 | | 3.44 42.70 |
| 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 | | 85.86 93.19 82.69 85.96 | | 82.82 92.65 82.64 86.75 | | 66.36 72.47 59.83 62.76 |
| Est. labor hours per unit | | 0.44 | | 0.45 | | 0.39 |
| Other Information No. purchased or trans in Number sold or trans out Percentage death loss Avg. daily gain (lb.) Lb. of conc / lb. of gain Lb. of feed / lb. of gain Feed cost per cwt. of gain Feed cost per head Hired labor per head Average purchase weight Avg wgt / Dairy Finish sold Avg sales price / cwt. | | 226 193 3.2 2.40 7.96 8.75 62.90 595.67 23.04 501 1,402 531.12 96.03 | | 209 172 5.0 2.51 7.49 8.34 57.27 643.24 26.98 342 1,437 447.79 92.04 | | 193 164 2.7 2.44 7.33 7.29 55.17 665.78 45.27 693 1,349 638.61 99.08 |

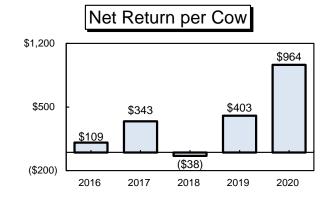
Summary of Selected Dairy Enterprise Factors

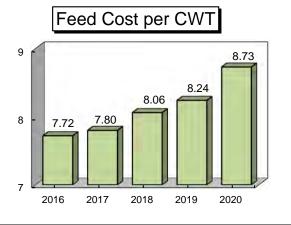


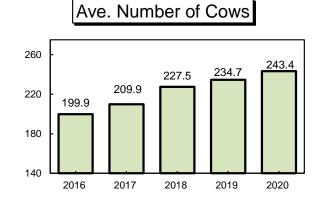














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Livestock Enterprise Analysis Farm Business Management Statewide Data Excluding Backgrounding (Farms Sorted By Return to Overhead)

Beef Cow-Calf -- Average Per Cow

| | Avg. Of All Farms Der of farms 89 | | 40 - 6 | 0% | High 20% | |
|---|--|---|--|--|--|---|
| Number of farms | | | | 18 | | 18 |
| Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) Government payments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin | Quantity 134.6 230.6 79.5 -15.0 -29.4 34.6 | Value 214.35 376.51 89.74 106.57 14.56 -35.61 -59.14 41.22 748.21 | Quantity 143.1 229.0 60.4 -2.6 -52.2 -27.2 | Value 271.57 365.15 84.50 113.89 12.36 -7.69 -112.33 21.58 749.02 | Quantity 141.0 267.0 106.7 -9.1 -38.0 4.3 | Value 207.75 476.77 116.86 113.06 20.18 -15.09 -50.78 126.85 995.60 |
| Direct Expenses Beet Pulp (dry) (lb.) Protein Vit Minerals (lb.) Corn Silage (lb.) Hay, Alfalfa (lb.) Pasture (aum) Hay (lb.) Other feed stuffs (lb) Veterinary Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses Return over direct expense | 320.1 152.3 3,963.0 1,653.8 2,015.8 2.2 1,916.2 2,550.5 | 6.40 34.43 68.15 72.31 77.15 40.19 66.45 68.88 26.92 24.96 46.30 13.88 24.60 40.83 611.45 136.76 | 1,367.4 219.9 3,938.6 1,053.3 2,171.2 3.6 3,061.2 454.1 | 27.35 50.58 67.55 55.09 75.05 41.49 102.08 37.06 31.48 28.30 53.07 27.27 27.93 26.97 651.27 97.76 | 72.3 2,548.3 3,808.6 1,195.5 1.2 822.8 7,744.7 | 18.51 42.56 127.56 45.11 24.24 28.02 98.92 19.92 26.27 38.16 9.24 18.22 29.93 526.67 468.93 |
| Overhead Expenses Hired labor Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 11.20 17.12 35.12 56.84 45.77 166.05 777.50 -29.30 | | 11.19 21.43 26.06 41.39 40.20 140.28 791.55 -42.53 | | 24.31 12.04 28.76 65.83 43.87 174.80 701.47 294.13 |
| Labor & management charge Net return over lbr & mgt | | 99.65 -128.95 | | 97.23 -139.76 | | 110.61 183.52 |
| Cost of Production Per Cwt. Produced Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management | | 139.24 177.06 153.87 176.56 | | 184.32 224.02 197.17 224.69 | | 110.60 147.30 84.01 107.23 |
| Est. labor hours per unit | | 9.39 | | 7.51 | | 8.10 |
| 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 Cow death loss percent Low death loss percent Cow death loss percent | | 75.1 92.3 2.6 10.5 90.0 84.6 0.73 6.1 3.2 298.3 531 449 433.96 510 159.21 | | 86.9 92.9 0.9 8.4 92.1 87.4 0.83 4.1 3.0 372.6 487 426 456.26 456 189.83 | | 81.8 94.0 4.0 12.8 90.2 85.8 0.72 4.4 2.2 345.5 558 479 384.93 583 147.36 |

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

Beef Cow-Calf -- Average Per Cow

| | Avg. Of All Farms | | 40 - 6 | 0% | High 20% | | |
|--|--|---|---|---|---|---|--|
| Number of farms | | | | 8 | _ | 8 | |
| Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) Government payments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin | Quantity 342.7 113.4 66.7 -27.9 -20.8 30.5 | Value 486.16 159.97 98.68 157.99 27.25 -64.60 -26.42 78.85 917.88 | Quantity 476.8 - 76.4 -62.5 - 45.5 | Value 705.08 - 150.54 219.39 9.80 -78.76 -2.38 -52.34 951.33 | Quantity 327.6 121.4 53.6 -8.5 -21.9 -100.7 | Value 441.97 171.78 106.76 174.01 3.80 -62.30 -37.81 261.76 1,059.97 | |
| Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Haylage, Grass (lb.) Pasture (aum) Hay (lb.) Other feed stuffs (lb) Veterinary Fuel & oil Repairs Hired labor Marketing Miscellaneous Total direct expenses Return over direct expense | 292.1 315.2 5.8 4,447.2 1,317.0 2,854.5 164.4 4.4 3,198.3 363.8 | 48.39 22.19 19.82 70.68 77.85 118.91 4.93 73.14 115.04 8.49 37.51 19.40 40.41 5.78 12.33 58.50 733.38 184.51 | 331.9 66.8 4.7 4,721.8 - 3,759.9 963.4 3.1 3,529.4 1,161.1 | 51.29 4.01 14.70 78.42 - 149.28 28.90 45.99 107.63 15.04 41.36 28.17 49.53 - 21.49 72.99 708.80 242.53 | 514.1 6.8 7.8 5,458.3 193.2 4,179.0 3.5 304.1 257.7 | 70.43 0.64 26.87 82.37 12.07 191.35 70.06 9.44 14.53 36.40 7.69 19.68 20.08 14.78 28.94 605.33 454.64 | |
| Overhead Expenses Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 33.80 35.68 44.98 114.47 847.84 70.04 | | 24.68 13.72 26.34 64.74 773.54 177.79 | | 20.83 10.77 17.94 49.55 654.88 405.09 | |
| Labor & management charge Net return over lbr & mgt | | 69.53 0.51 | | 53.42 124.37 | | 37.76 367.33 | |
| 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 | | 142.06 164.23 111.91 125.38 | | 130.64 142.57 100.17 110.02 | | 161.74 174.98 13.62 23.71 | |
| Est. labor hours per unit | | 6.32 | | 5.59 | | 3.96 | |
| 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. | | 94.5 96.3 3.5 11.3 92.9 87.6 0.73 3.5 4.1 443.1 550 482 559.44 658 141.86 | | 78.6 95.6 7.1 16.1 88.8 83.4 0.78 2.5 2.4 501.2 555 463 495.27 611 147.88 | | 109.8 99.1 1.0 9.6 98.1 89.6 0.63 1.9 5.0 706.4 580 520 477.75 777 | |

Livestock Enterprise Analysis Farm Business Management Statewide Data Excluding Backgrounding (Farms Sorted By Enterprise Size)

Beef Cow-Calf -- Average Per Cow

| | Up to 50 | 50 100 | | | 100 200 | | 200 500 | |
|---|---|---|--|---|--|--|--|---|
| Number of farms | 45 | i | 22 | | 18 | | 4 | |
| Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) Government payments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin | Quantity 227.3 166.4 52.1 -12.7 -9.9 28.2 | Value 337.99 234.89 82.04 100.09 18.46 -43.06 -34.89 72.98 768.49 | Quantity 209.0 199.7 106.6 -29.6 -34.5 -57.4 | Value 305.02 306.70 81.44 80.10 22.70 -50.08 -43.12 -49.69 653.08 | Quantity 111.2 221.4 117.8 -15.3 -51.3 53.4 | Value 205.51 414.26 100.93 115.12 5.50 -38.30 -76.67 28.91 755.26 | Quantity 3.3 347.9 1.2 | Value 5.10 523.63 85.01 126.37 19.12 -6.47 -67.34 136.51 821.93 |
| Direct Expenses Beet Pulp (dry) (lb.) Protein Vit Minerals (lb.) Complete Ration (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 | 241.0 7,006.9 3.9 2,632.0 2,136.6 2,532.7 1.7 1,405.2 528.3 | 48.82 32.80 13.72 41.26 115.71 112.79 37.90 57.39 16.99 26.62 38.36 78.83 21.89 63.26 706.33 62.15 | 151.3 54.5 2.6 2,971.8 1,197.7 3,192.1 2.8 2,289.1 1,262.6 | 33.48 8.77 7.87 49.96 66.11 123.25 49.67 70.19 32.21 24.30 19.19 42.99 9.02 52.87 589.86 63.22 | 162.7 29.6 9.5 6,017.5 939.8 1,169.5 1.2 1,633.8 1,043.8 | 33.15 4.77 33.08 105.83 51.25 43.54 29.41 63.66 32.61 30.68 28.42 44.74 34.96 65.26 601.35 153.91 | 1,628.6 44.1 79.1 4.3 2,404.9 3,082.2 1,818.9 4.2 2,557.1 1,734.3 | 32.57 23.61 11.51 13.17 42.09 77.05 54.91 52.82 76.71 69.18 22.84 11.30 20.56 24.74 27.59 560.65 261.27 |
| Overhead Expenses Farm insurance Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 30.84 52.69 81.01 67.80 232.33 938.67 -170.18 | | 17.47 31.49 53.76 42.41 145.13 734.98 -81.91 | | 18.98 33.25 59.52 61.41 173.16 774.51 -19.26 | | 8.19 25.30 30.89 45.14 109.52 670.18 151.75 |
| Labor & management charge Net return over lbr & mgt | | 143.36 -313.54 | | 92.03 -173.94 | | 86.21 -105.47 | | 90.79 60.96 |
| Cost of Production Per Cwt. Production Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management | eed | 155.03 206.03 170.31 201.77 | | 147.41 183.68 163.80 186.80 | | 136.92 176.35 160.96 180.59 | | 120.14 143.60 115.13 134.58 |
| Est. labor hours per unit | | 14.05 | | 8.47 | | 8.39 | | 7.69 |
| 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. | | 29.2 90.8 2.5 8.9 88.6 83.2 0.72 6.4 3.5 199.3 522 434 477.37 523 148.70 | | 67.7 92.4 3.1 11.1 89.6 82.6 0.79 9.2 2.8 330.6 530 438 441.49 557 145.96 | | 142.6 92.2 2.9 10.9 89.5 85.2 0.72 4.5 4.1 333.6 547 466 397.29 457 184.76 | | 328.5 93.9 1.5 10.8 92.5 87.1 0.67 5.5 1.5 364.1 512 446 453.62 550 152.27 |

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

Beef Finishing -- Average Per Cwt. Produced

| | Avg. Of | | 40 - 6 | 0% | High 20% | |
|---|--|---|---|--|--|--|
| Number of farms | | | | 15 | | |
| Finish Beef sold (lb) Transferred out (lb) Government payments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin | Quantity 194.33 0.74 -96.00 -7.93 7.13 | Value 213.50 0.75 16.85 7.89 -135.29 -11.39 0.59 92.89 | Quantity 186.85 1.35 -101.83 -6.60 19.61 | Value 202.00 1.27 20.58 8.84 -143.08 -9.67 9.62 89.56 | Quantity 206.90 0.57 -67.88 -23.63 -21.57 | Value 225.47 0.77 20.04 11.09 -83.74 -33.72 -21.14 118.78 |
| Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Grass (lb.) Haylage, Alfalfa (lb.) DDGS, dry (lb.) DDGS, wet (lb.) Other feed stuffs (lb) Veterinary Repairs Hauling and trucking Operating interest Miscellaneous Total direct expenses Return over direct expense | 63.47 45.98 8.17 338.07 39.41 16.12 49.82 99.38 213.87 | 9.51 3.00 26.99 5.66 1.84 0.62 3.03 2.82 6.45 2.33 3.21 2.23 2.47 4.35 74.52 18.37 | 60.77 5.30 8.33 403.32 63.24 13.13 76.38 38.38 128.30 | 10.18 1.13 27.85 6.51 2.85 0.49 4.75 1.08 2.77 1.62 4.37 3.02 3.35 3.05 73.03 16.53 | 24.52 277.32 7.57 373.79 13.70 93.39 45.25 57.80 76.71 | 5.53 12.90 25.09 6.43 3.61 3.65 2.43 4.32 3.03 1.25 0.41 0.54 4.50 74.22 44.56 |
| Overhead Expenses Hired labor Farm insurance Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 1.79 1.31 1.87 2.87 2.50 10.34 84.86 8.03 | | 3.46 2.35 1.98 2.89 3.43 14.11 87.14 2.42 | | 0.84 0.43 0.44 2.35 1.19 5.26 79.48 39.30 |
| Labor & management charge Net return over lbr & mgt | | 4.10 3.93 | | 4.83 -2.41 | | 3.05 36.25 |
| 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 | | 112.10 117.39 105.71 107.81 | | 114.42 121.92 106.72 109.29 | | 99.42 101.95 90.11 91.58 |
| Est. labor hours per unit | | 0.31 | | 0.37 | | 0.21 |
| Other Information No. purchased or trans in Number sold or trans out Percentage death loss Avg. daily gain (lb.) Lb. of conc / lb. of gain Lb. of feed / lb. of gain Feed cost per cwt. of gain Feed cost per head Hired labor per head Average purchase weight Avg wgt / Finish Beef sold Avg purch price / cwt. Avg sales price / cwt. | | 244 230 1.2 2.62 7.62 10.25 59.93 415.66 13.69 745 1,445 140.92 109.87 | | 360 324 0.7 2.76 6.69 9.29 57.61 396.75 24.31 790 1,479 140.51 108.11 | | 163 165 2.1 2.23 8.29 10.82 64.51 519.27 6.79 645 1,397 123.37 108.98 |

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

Beef Backgrounding -- Average Per Cwt. Produced

| | Avg. Of All Farms 21 | | 40 - 6 | 60% | <u>High 20%</u> 5 | |
|--|---|---|--|---|---|--|
| Number of farms | | | | 4 | | |
| Backgnd Beef sold (lb) Transferred out (lb) Government payments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin | Quantity 225.92 20.29 -129.86 -70.53 53.60 | Value 291.75 23.46 32.08 5.39 -199.71 -101.87 68.48 119.58 | Quantity 211.21 53.70 -108.67 -78.71 22.48 | Value 295.98 61.96 43.80 2.35 -180.68 -116.66 34.54 141.30 | Quantity 211.70 15.52 - -108.98 -25.07 | Value 312.32 18.60 32.45 40.99 -151.72 -40.58 212.06 |
| Direct Expenses Protein Vit Minerals (lb.) Creep / Starter (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay (lb.) Other feed stuffs (lb) Veterinary Contract production exp. Repairs Hauling and trucking Marketing Bedding Operating interest Miscellaneous Total direct expenses Return over direct expense | 22.03 11.87 130.09 2.67 882.90 64.73 348.06 194.98 | 4.85 2.81 14.99 7.62 13.96 2.93 14.37 5.46 3.67 5.18 4.49 1.55 2.25 1.59 6.07 5.29 97.09 22.49 | 16.28 - 264.31 0.38 864.84 42.85 485.21 81.06 | 4.38 26.45 1.30 14.98 2.68 23.58 3.08 2.66 17.73 2.64 3.71 3.95 4.42 6.56 2.36 120.49 20.80 | 61.93 20.47 16.45 2.15 54.59 252.49 144.33 54.20 | 13.00 5.33 3.60 7.51 0.96 12.62 5.78 3.91 2.26 0.86 - 3.48 1.97 0.18 3.75 65.21 146.86 |
| Overhead Expenses Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return | | 3.60 7.19 6.17 16.96 114.04 5.53 | | 2.78 8.44 3.60 14.82 135.32 5.98 | | 1.44 2.67 2.28 6.39 71.59 140.47 |
| Labor & management charge Net return over lbr & mgt | | 10.81 -5.28 | | 14.38 -8.40 | | 2.94 137.53 |
| 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 | | 133.87 140.76 125.77 130.17 | | 144.69 150.29 132.86 138.29 | | 110.32 113.13 83.81 85.11 |
| Est. labor hours per unit | | 0.77 | | 0.65 | | 1.15 |
| Other Information No. purchased or trans in Number sold or trans out Percentage death loss Avg. daily gain (lb.) Lb. of conc / lb. of gain Lb. of feed / lb. of gain Feed cost per cwt. of gain Feed cost per head Hired labor per head Average purchase weight Avg wgt / Backgnd Beef sold Avg sales price / cwt. | | 164 129 0.8 1.27 4.37 11.97 66.99 206.22 5.34 541 804 153.80 129.14 | | 242 218 0.2 1.36 3.23 11.97 76.46 258.80 2.51 581 791 166.26 140.13 | | 36 45 1.6 0.80 2.32 7.01 52.72 116.66 |

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

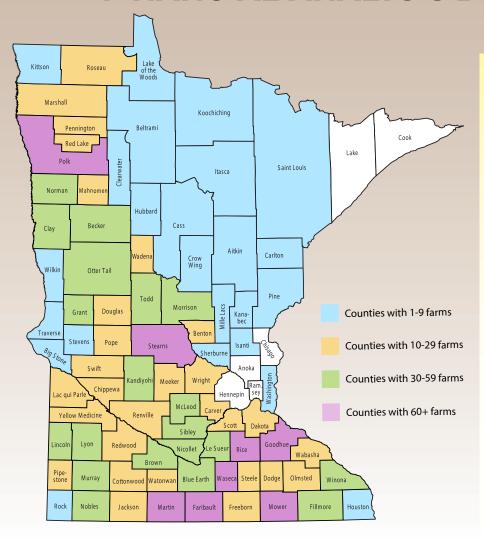
Hogs, Weaning to Finish (Per Head) and Finish Feeder Pigs (Per Cwt. Carcass Sold)

| | - | ng to Finish | Finish Feeder Pigs | | |
|--------------------------------------|---|--------------|--------------------|--------|--|
| Number of Farms | 1 | 2 | 15 | | |
| | Quantity | Value | Quantity | Value | |
| Pigs / Hogs sold (lb) | 270.40 | 122.96 | 134.81 | 59.60 | |
| Transferred out (lb) | 0.00 | 0.01 | 0.91 | 0.53 | |
| Insurance income | - | 0.83 | - | 0.76 | |
| Government payments | - | 28.64 | - | 12.63 | |
| Other income | - | 6.96 | - | 2.12 | |
| Purchased (lb) | -15.50 | -45.66 | -20.02 | -24.65 | |
| Transferred in (lb) | - | - | -4.19 | -5.07 | |
| Inventory change (lb) | 8.50 | 8.22 | -2.54 | 0.38 | |
| Gross margin | | 121.96 | | 46.31 | |
| Direct Expenses | | | | | |
| Protein Vit Minerals (lb.) | 135.2 | 29.53 | 43.5 | 8.25 | |
| Complete Ration (lb.) | 140.2 | 16.78 | 115.4 | 10.12 | |
| Corn (bu.) | 7.4 | 25.61 | 2.9 | 10.59 | |
| DDGS, dry (lb.) | • | | 5.1 | 0.43 | |
| Other feed stuffs (lb) | 0.4 | 0.04 | 2.1 | 0.18 | |
| Veterinary | 0.4 | 3.36 | 2.1 | 0.10 | |
| Contract production exp. | | 3.73 | | 2.23 | |
| Repairs | | 5.75 | | 0.97 | |
| Custom hire | | 0.69 | | 0.51 | |
| Livestock leases | | 0.76 | | - | |
| Utilities | | 0.76 | | - | |
| | | 1.47 | | 0.75 | |
| Hauling and trucking | | | | 0.75 | |
| Marketing | | 0.54 | | 0.53 | |
| Operating interest | | 1.39 | | 0.53 | |
| Miscellaneous | | 2.98 | | 1.38 | |
| Total direct expenses | | 87.62 | | 35.44 | |
| Return over direct expense | | 34.34 | | 10.87 | |
| Overhead Expenses | | | | | |
| Hired labor | | 1.47 | | 1.15 | |
| Building leases | | 9.72 | | 1.15 | |
| Farm insurance | | - | | 0.54 | |
| Utilities | | - | | 0.87 | |
| Interest | | 1.62 | | 0.70 | |
| Mach & bldg depreciation | | 1.63 | | 0.97 | |
| Miscellaneous | | 2.45 | | 0.61 | |
| Total overhead expenses | | 16.88 | | 5.99 | |
| Total dir & ovhd expenses | | 104.50 | | 41.42 | |
| Net return | | 17.46 | | 4.88 | |
| Labor & management charge | | 4.90 | | 1.97 | |
| Net return over lbr & mgt | | 12.56 | | 2.91 | |
| J | | 12.00 | | 2.01 | |
| Cost of Production/Cwt. Carcass Sold | | 60.05 | | 64.50 | |
| Total direct expense per unit | | 62.25 | | 64.58 | |
| Total dir & ovhd expense per unit | | 70.66 | | 70.56 | |
| With other revenue adjustments | | 52.54 | | 55.25 | |
| With labor and management | | 54.98 | | 57.23 | |
| Est. labor hours per unit | | 0.32 | | 0.14 | |
| Other Information | | | | | |
| No. purchased or trans in | | 12243 | | 6488 | |
| Number sold or trans out | | 10757 | | 6203 | |
| Percentage death loss | | 4.6 | | 3.7 | |
| Percent substandard hogs | | 1 | | 1 | |
| Avg. daily gain (lb.) | | 1.43 | | 1.50 | |
| Lb. of feed / lb. of gain | | 2.62 | | 2.99 | |
| Feed cost per cwt. of gain | | 27.31 | | 27.04 | |
| Feed cost per head | | 71.96 | | 61.58 | |
| Hired labor per head | | 1.61 | | 2.68 | |
| Average purchase weight | | 14 | | 49 | |
| Avg wgt /Fin Pig/Hog sold | | 278 | | 280 | |
| | | 41.20 | | 60.20 | |
| Avg purch price / head | | | | 44.21 | |
| Average careage weight | | 45.48 | | | |
| Average carcass weight | | 209 | | 210 | |
| Average price / cwt. carcass | | 60.99 | | 59.13 | |

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

| Alfalfa Hay | <u>2016</u> | 2017 | 2018 | 2019 | 2020 | Total Dir&Ovhd Expense |
|--|--|--|--|--|---|--|
| Yield per Acre Value per Ton Fuel, Oil, Repairs per Acre Total Dir & Ovhd Exp per Acre Net Return per Acre Total Direct Expenses per Ton Total Dir & Ovhd Exp per Ton | 5.0 \$110.40 \$79.40 \$338.03 \$209.56 \$32.55 \$68.35 | 4.5 \$108.87 \$82.42 \$328.96 \$167.85 \$35.05 \$73.25 | 4.1 \$134.75 \$93.70 \$340.55 \$210.75 \$39.82 \$83.41 | 4.0 \$148.97 \$87.41 \$333.24 \$301.16 \$41.84 \$82.69 | 4.2 \$136.11 \$91.02 \$351.17 \$232.35 \$44.90 \$84.56 | \$360 \$350 \$340 \$330 \$320 \$310 2016 2017 2018 2019 2020 |
| Corn Yield per Acre Value per Bushel Fuel, Oil, Repairs per Acre Total Dir & Ovhd Exp per Acre Net Return per Acre Total Direct Expenses per Bu. Total Dir & Ovhd Exp per Bushel | 179.5 \$2.95 \$71.55 \$537.05 \$1.65 \$1.98 \$2.99 | 164.6 \$3.08 \$74.43 \$539.30 -\$14.68 \$2.17 \$3.28 | 179.0 \$3.22 \$82.18 \$553.48 \$38.76 \$2.11 \$3.09 | 160.2 \$3.40 \$83.95 \$580.96 \$35.63 \$2.42 \$3.63 | 176.2 \$3.78 \$82.16 \$559.08 \$158.49 \$2.15 \$3.17 | \$600 \$580 \$560 \$540 \$520 \$520 \$520 \$500 2016 2017 2018 2019 2020 |
| Corn Silage Yield per Acre Value per Ton Fuel, Oil, Repairs per Acre Total Dir & Ovhd Exp per Acre Net Return per Acre Total Direct Expenses per Ton Total Dir & Ovhd Exp per Ton | 19.4 \$33.91 \$88.07 \$539.19 \$119.00 \$18.88 \$27.80 | 19.8 \$30.45 \$93.48 \$545.06 \$68.81 \$18.82 \$27.48 | 20.6 \$29.98 \$95.29 \$533.70 \$86.46 \$17.55 \$25.94 | 18.7 \$31.58 \$94.18 \$572.60 \$75.40 \$20.73 \$30.63 | 21.0 \$34.35 \$103.57 \$597.78 \$162.77 \$19.84 \$28.43 | \$650 \$600 \$550 \$550 \$500 2016 2017 2018 2019 2020 |
| Soybeans Yield per Acre Value per Bushel Fuel, Oil, Repairs per Acre Total Dir & Ovhd Exp per Acre Net Return per Acre Total Direct Expenses per Bu. Total Dir & Ovhd Exp per Bushel | 46.7 \$9.27 \$38.23 \$285.42 \$151.42 \$3.80 \$6.12 | 35.2 \$9.05 \$39.35 \$299.63 \$38.07 \$5.55 \$8.51 | 41.0 \$8.38 \$44.13 \$308.24 \$118.57 \$4.95 \$7.52 | 37.8 \$8.17 \$42.10 \$301.73 \$68.79 \$5.09 \$7.98 | 41.5 \$10.23 \$46.34 \$309.79 \$155.17 \$4.67 \$7.46 | \$320 \$310 \$300 \$290 \$280 \$270 2016 2017 2018 2019 2020 |
| Spring Wheat Yield per Acre Value per Bushel Fuel, Oil, Repairs per Acre Total Dir & Ovhd Exp per Acre Net Return per Acre Total Direct Expenses per Bu. Total Dir & Ovhd Exp per Bushel | 66.0 \$4.95 \$35.53 \$291.26 \$39.56 \$2.92 \$4.41 | 72.3 \$5.90 \$39.62 \$289.47 \$146.74 \$2.73 \$4.00 | 65.8 \$5.47 \$45.25 \$303.60 \$80.69 \$3.19 \$4.62 | 59.8 \$5.09 \$41.94 \$329.97 \$53.62 \$3.75 \$5.52 | 59.9 \$5.48 \$42.63 \$324.04 \$65.64 \$3.56 \$5.41 | \$340 \$320 \$300 \$280 \$260 2016 2017 2018 2019 2020 |
| Beef Cow Calf Price Recv'd/Cwt Calf Sold Total Feed Cost/Cow Return over Feed/Cow Net Return/Cow Total Direct & Ovhd Expenses | \$156.42 \$412.74 \$220.55 -\$84.29 \$717.58 | \$147.47 \$395.34 \$302.85 -\$19.01 \$717.20 | \$151.73 \$422.72 \$269.10 -\$54.31 \$746.13 | \$145.96 \$469.02 \$136.18 -\$223.06 \$828.25 | \$159.21 \$433.96 \$314.25 -\$29.30 \$777.50 | \$850 \$800 \$750 \$700 \$650 \$016 \$017 \$018 \$019 \$020 \$019 \$020 |
| Dairy Cows Production/Cow Price Recv'd/Cwt Milk Total Feed Cost/Cwt Milk Return over Feed/Cwt Milk Net Return/Cwt Milk Total Direct & Ovhd Expenses | 24,598 \$16.33 \$7.72 \$8.61 \$0.44 \$14.87 | 24,830 \$17.72 \$7.80 \$9.92 \$1.38 \$15.22 | 23,974 \$16.44 \$8.06 \$8.38 -\$0.16 \$15.45 | 24,390 \$18.64 \$8.24 \$10.40 \$1.65 \$15.72 | 24,983 \$19.77 \$8.73 \$11.05 \$3.86 \$16.74 | \$18 \$17 \$16 \$15 \$14 2016 2017 2018 2019 2020 |

2020 FARM BUSINESS MANAGEMENT FINANCIAL ANALYSIS BY COUNTY



SOURCES OF DATA

The 2,246 producers who provided data for three MN regional reports are located in 81 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.

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 Rural 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



Farm Finance Scorecard

