2014 ANNUAL REPORT South Central North Dakota

North Dakota Farm and Ranch Business Management Education





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NORTH DAKOTA FARM BUSINESS MANAGEMENT EDUCATION

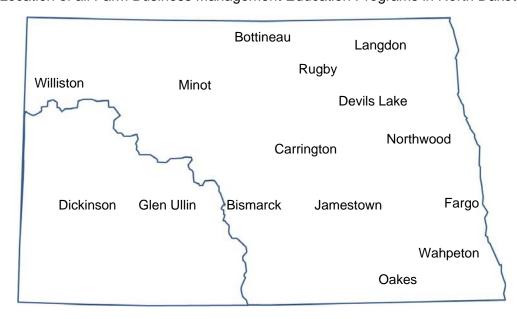
REGION 3 – SOUTH CENTRAL AVERAGES 2014 ANNUAL REPORT

The South Central (Region 3) farm business analyses were submitted by the following instructors represented by their cooperating schools.

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This report was made possible by the farm families who cooperated with their farm management instructors in getting the records for 2014 closed out on a timely basis. The farm management instructors cited above generated the Finpack year-end farm analyses. Andrew Swenson, NDSU Extension Service, databased the Finpack analyses of farms and generated the comparative tables for this report.

Location of all Farm Business Management Education Programs in North Dakota



2014 South Central Report North Dakota Farm Business Management Education

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INTRODUCTION

This report summarizes the individual farm records of the specific region or the whole state as identified on the acknowledgement page. The current financial status of farm operators and net returns from each crop and livestock enterprise is reported. In addition to the average of all farms, the averages for the high, middle, and low-income groups are also presented. All participating farm/ranch families are provided a copy of the regional averages report. They can compare their own Finan business analysis to the regional and/or state averages report and study the areas that may need management improvement. A review of the comparative information may reveal how certain aspects of the business or enterprises excel and help answer why they are profitable.

The regional and state averages reports are divided into three major sections; farm operators' reports, crop reports and livestock reports. Explanatory notes precede each section. The first section contains 15 tables with whole farm financial and operator information. The last three tables of this section are financial summaries in which farms are categorized by gross revenue, age of operator and farm type, respectively. The second section provides performance information on crop enterprises. The third section provides performance results on livestock enterprises. Lastly, figures 1 through 10 provide trend information for various measures of finance and/or production.

The 2014 summary reports are based upon data generated by the Finan individual farm analysis completed by farm/ranch families enrolled in the statewide Adult Farm and Ranch Business Management Education program in North Dakota. Instructors pooled the individual business analysis and submitted the combined school data to the FINPACK Center located at North Dakota State University. The FINPACK Center did provide schools with local averages in order to assist instructors with obtaining relevant local management trends.

Farm/ranch families enrolled in the statewide program are encouraged to request assistance from their instructors to determine short-term cash flow and long-term projections. Each instructor has access to FINPACK computer programs, which can be used to generate annual or multi-year (cash flow) farm plans and/or long term alternative projections.

This is the 26th year that the regional averages have been generated in North Dakota based upon the four regions shown in the state map on the cover of this publication. A regional report has been generated and published for Regions 2- North Central, 3 - South Central and 4 - Western identified on the North Dakota map. Farms in Region 1 - Red River Valley are located within the Red River Valley. Those farms are contained in a combined Minnesota-North Dakota Red River Valley report. The state averages report includes all farms participating in the North Dakota Farm Business Management Education Program that were represented in the regional averages and also those farms which were processed and submitted after the March deadline date. All of these reports may be ordered from Farm Business Management, P.O. Box 6022, Bismarck, ND, 58506-6022 for \$5 per copy. The reports are available online at www.ndfarmmanagement.com.

EXPLANATORY NOTES FOR THE FARM OPERATORS' REPORTS

The tables include the same number of farms, which were all of the farms whose records were judged to be of sufficient quality to be included in the overall report. However, the balance sheets include only sole proprietors. Partnerships and corporations are excluded because some debt is held outside of the business causing potential misinterpretations of the financial statement. The number of farms included in each of the crop tables varies because all farms do not have the same enterprises. Also, some farmers' records were complete enough to be included in the whole-farm tables, but at times, these same farmers' crop records were not complete enough to include in the respective crop and livestock tables.

Rounding of individual items for the report may have caused minor discrepancies with the printed totals which are calculated before rounding.

Farm Income Statement

This statement is a summary of income, expenses, or resultant profit or loss from farming operations during the calendar year.

The first section of the table lists cash farm income from all sources. There are three possible sources of cash income from crops. The first is income from cash sales. The second is income from crops stored under government loan programs when the loan is treated as income for the year in which the crop was stored. If the crop value has not been entered as income when it was stored, then it would be treated as cash income in the year it was sold. The third is Net Government Sales, which refers to the difference between income credited in the year a crop was stored and the actual cash income received at the time it was sold. There are two categories of cash income from livestock sales. "Raised" steer, hogs, and lambs refer to animals raised from birth to market weight on the farm. "Finished" animals refers to those purchased as feeders and fed to market weight. Government payments are grouped as "Direct, CCP & ACRE pymts;" "LDP payments" which are loan deficiency payments that may be received on production when local prices are below the county loan rate for the crop; "Other government payments" which refers to all other government payments such as disaster payments but not including CRP payments; and CRP payments.

The second section of the income statement lists <u>cash</u> expenses. "Labor" includes only labor hired. "Interest" includes only interest actually paid. No opportunity charges on farm equity capital or unpaid labor are included.

The difference between "Gross Cash Farm Income" and "Total Cash Expense" is the "Net Cash Farm Income." This is net farm income on a cash basis.

The last two sections of the income statement deal with the non-cash changes in the farm business. The "Inventory Changes" and "Depreciation" sections are used to convert the cash income statement (Net Cash Farm Income) derived from the first two sections into an accrual income statement. The final adjustment is for "Gain or loss on capital sales." The bottom line, labeled "Net farm Income," represents the return to the operator's and family's unpaid labor, management, and equity capital (net worth). In other words, it represents the return to all of the resources that are owned by the farm family and hence, not purchased or paid a wage. However, it does not include any debt forgiveness or asset repossessions.

Inventory Changes

This is the detailed statement of inventory changes that is summarized in the income statement. It includes beginning and ending inventories and the calculated changes.

Depreciation

This is the detailed statement of depreciation and other capital adjustments that is summarized in the income statement. It includes beginning and ending inventories, and capital sales and purchases.

Profitability Measures

This table shows profitability when capital assets are valued at cost. Various measures of performance are calculated. In the previous tables no opportunity costs are used. In this table, opportunity costs for labor, capital, and management <u>are</u> used. The measures and their components are described below.

- "Rate of return on assets" is the "Return on farm assets" divided by "Average farm assets."
- "Rate of return on equity "is the "Return of farm equity" divided by "Average farm equity."
- "Operating profit margin" is the "Return on farm assets" divided by "Value of farm production."
- "Asset turnover rate" is the "Value of farm production" divided by "Average farm assets."
- "Farm interest expense" is the accrual interest cost, usually it will be different from the cash interest expense.
- "Value of operator's labor and management" is an opportunity cost for unpaid operator's labor and management that is used in the calculation of several financial performance measures. A value of \$20,000 per full time operator plus 5% of value of farm production is used.
- "Return of farm assets" is calculated by adding "Farm interest expense" to "Net farm income" and then subtracting the "Value of operator's labor and management."
- "Average farm assets" is the average of beginning and ending total farm assets.
- "Return on farm equity" is calculated by subtracting the "Value of operator's labor and management" from "Net farm income."
- "Average farm equity" is the average of beginning and ending farm net worth.
- "Value of farm production" is gross cash farm income minus purchased feed and feeder livestock and adjusted for inventory changes in crops, market livestock, accounts receivable and breeding livestock.

Liquidity & Repayment Capacity Measures

The table shows several measures of liquidity and repayment capacity. Calculation of repayment capacity starts with net farm income from operations and adds back the non-cash expense of depreciation. Personal income is also added. Family living expenses, personal debt payments and income taxes paid are subtracted to determine the capital debt repayment capacity.

Balance Sheets

The ending balance sheet statements and solvency measures are presented for sole proprietors only. Current assets are valued at market price at the time of the inventory which is December 31. In balance sheet at cost values, intermediate and long-term assets that are depreciable are valued at cost remaining (amount remaining to be depreciated, plus salvage value). Raised breeding livestock is valued at conservative market replacement costs. Land is valued at cost or conservative market value. In balance sheet at market values, the intermediate and long term assets are listed at market value, and deferred income tax liabilities are estimated.

Statement of Cash Flows

This statement organizes cash inflows and outflows by the following three categories: Operating activities, investing activities, and financing activities.

Financial Standards 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.

Solvency

Solvency 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.

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.

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.

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

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.

Crop Production and Marketing Summary

This table contains three sections. The first section reports averages for total acres owned, crop land by tenure and total pasture acres. The next two sections show average price received and average yields for major crops. These tables are sorted on the basis of "Net farm income."

Household and Personal Expenses

For those farms that keep records, the household and personal expenses are summarized. The farms are grouped in the same ranking as in the Income Statement. Since not all farms keep these records, the number of farms in the low profit and high profit groups may be different. Averages are determined by the number of farms keeping these records. The Statement of Cash Flows presents calculated family living and includes all farms. Income tax paid is also shown in the Statement of Cash Flows and includes all farms.

Operator and Labor Information

This table reports the average for the number of operators per farm, the operator's age, and the number of years farming.

Nonfarm Summary

This table also reports nonfarm income. The figure reported is the average over all farms <u>not</u> just those reporting nonfarm income.

Farm Income Statement

North Dakota Farm Business Management Education Program Region 3 - South Central North Dakota, 2014 (Farms Sorted By Net Farm Income)

Number of farms		Avg. Of	g. Of		
Cash Farm Income Barley 47,809 7,880 16,503 157,55 Beans, Black Turtle 2,651 - - 12,87 Beans, Navy 151 762 - - 12,87 Beans, Pinto 23,504 47,549 2,541 38,57 Canola 7,029 1,314 3,699 11,67 Com 161,113 275,102 76,161 226,42 Flax 33 - - - 11,67 Hay, Grass 564 108 - 2,14 Hay, Grass 564 108 - 2,14 Hay, Mixed Alfalfa/Grass 1,534 303 7,158 Oats 192 - - 4 Peas, Field 1,532 - 940 61 Rye 753 - - 1,43 20 Stover 49 - 24,58 384,62 34 Straw 44 113 22		All Farms	Low 20%	<u>40 - 60%</u>	High 20%
Barley 47,809 7,890 16,503 157,55 Beans, Black Turtle 2,651 - - 12,87 Beans, Pinto 23,504 47,549 2,541 38,57 Canola 7,029 1,314 3,699 11,67 Com 161,113 275,102 76,161 226,44 Flax 33 - - - 3,96 Hay, Grass 564 108 - 2,214 Hay, Grass 1,534 303 7,158 - Oats 1,532 - 940 6,15 Rye 753 - 1,143 2,00 Stover 49 - 246 384,62 Straw 44 113 22 Sunflowers 1,698 4,007 1,104 27,33 Sunflowers 1,698 4,007 1,104 27,33 Wheat, Durum 3,002 - - - - Wheat, Winter	Number of farms	136	27	27	28
Barley 47,809 7,890 16,503 157,55 Beans, Black Turtle 2,651 - - 12,87 Beans, Navy 151 762 - - Beans, Pinto 23,504 47,549 2,541 38,57 Canola 7,029 1,314 3,699 11,67 Corn 161,113 275,102 76,161 226,47 Flax 33 - - - 3,96 Hay, Grask 33 - - - 3,96 Hay, Grass 564 108 - 2,214 Hay, Mixed Alfalfa/Grass 1,534 303 7,158 Oats 192 - - 4 Peas, Field 1,532 - 940 6,13 Rye 753 - 1,143 2,0 Stover 49 - 245 Straw Stover 49 - 245 Straw Sunflowers, Confectionary </td <td>Cash Farm Income</td> <td></td> <td></td> <td></td> <td></td>	Cash Farm Income				
Beans, Black Turtle 2,651 - - 12,87 Beans, Pinto 23,504 47,549 2,541 38,57 Canola 7,029 1,314 3,699 11,67 Com 161,113 275,102 76,161 226,42 Flax 33 - - - 1,7 Hay, Alfalfa 822 10 - 3,99 Hay, Grass 564 108 - 2,14 Hay, Mixed Alfalfa/Grass 1,534 303 7,158 Oats 192 - - 4 Peas, Field 1,532 - 940 6,13 Rye 753 - 1,143 2,00 Solver 49 - 245 5 Straw 44 113 22 1,143 2,00 Sunflowers 10,698 4,007 1,104 27,33 3,00 Wheat, Spring 105,398 85,135 32,646 244,90 3,	Barley	47,809	7,890	16,503	157,536
Beans, Navy 151 762 - Beans, Pinto 23,504 47,549 2,541 38,57 Canola 7,029 1,314 3,699 11,61 Com 161,113 275,102 76,161 226,42 Flax 33 - - - 11,61 Hay, Grash 38 2 10 - 3,96 Hay, Grash 15,34 303 7,158 - Veas, Fleid 1,532 - 940 6,15 Rye 753 - 1,143 2.00 Soybeans 224,680 296,978 137,868 384,62 Straw 44 113 22 Sunflowers 10,698 4,007 1,104 27,31 Sunflowers, Confectionary 2,160 2,552 - 3,36 Wheat, Spring 105,998 85,155 32,646 244,9 Wheat, Winter 3,083 1,178 1,696 56 <t< td=""><td>Beans, Black Turtle</td><td>2,651</td><td>-</td><td>-</td><td>12,876</td></t<>	Beans, Black Turtle	2,651	-	-	12,876
Canola 7,029 1,314 3,699 11,67 Com 161,113 275,102 76,161 226,42 Flax 33 - - 17 Hay, Alfalfa 822 10 - 3,98 Hay, Mixed Alfalfa/Grass 564 108 - 2,14 Hay, Mixed Alfalfa/Grass 1,534 303 7,158 Oats 192 - - 4 Peas, Field 1,532 - 940 61 Rye 753 - 1,143 2.0 Soybeans 224,680 296,978 137,868 384,62 Stover 49 - 245 5 Straw 44 113 22 - Sunflowers, Confectionary 2,160 2,532 - 3,34 Wheat, Spring 105,98 85,135 32,646 244,90 Wheat, Winter 3,083 1,178 1,696 5 Custom Work 1,03	Beans, Navy	151	762	-	-
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Flax	Canola	7,029		3,699	11,671
Hay, Alfalfa 822 10 - 3.98		161,113	275,102	76,161	226,420
Hay, Grass			-	-	114
Hay, Mixed Alfalfa/Grass 1,534 303 7,158 Oats 192 - 940 6,17 Peas, Field 1,532 - 940 6,17 Rye 753 - 1,143 2,00 Soybeans 224,680 296,978 137,868 384,65 Stover 499 - 245 Straw 144 113 22 Sunflowers, Confectionary 2,160 2,532 - 3,34 Wheat, Durum 3,002 - 3,003 Wheat, Spring 105,398 85,135 32,646 244,90 Wheat, Winter 3,083 1,178 1,696 56 Custom Work 1,039 - 5,235 Rented Out 4,294 9,394 150 9,75 Soybeans, Food 5,414 4,139 1,365 Miscellaneous crop income 21 - 2 Beef Bulls 89 - 4 Beef Cow-Calf, Beef Calves 32,430 10,515 25,204 65,31 Beef Replacement Heifers 11,473 - 3,148 44,26 Beef Backgrounding 39,900 - 11,331 80,93 Beef Finishing 10,962 234 - 50,88 Beef Grazing 7,105 - 5,285 15,77 Dairy, Dairy Calves 1,233 - 201 Dairy Replacement Heifers 9,33 - 467 Sheep, Lamb Finishing 120 - 5,285 15,77 Dairy, Dairy Calves 1,233 - 201 Dairy Replacement Heifers 9,33 - 467 Sheep, Lamb Finishing 120 - 5,285 15,77 Dairy, Dairy Calves 1,233 - 201 Dairy Replacement Heifers 9,33 - 467 Sheep, Lamb Finishing 120 - 5,285 15,77 Dairy, Dairy Calves 1,233 - 201 Dairy Replacement Heifers 9,33 - 467 Sheep, Lamb Finishing 120 - 5,285 15,77 Dairy, Dairy Calves 1,233 - 201 Dairy Replacement Heifers 9,3 - 467 Sheep, Lamb Finishing 120 - 5,285 15,77 Dairy, Dairy Calves 1,233 - 201 Dairy Replacement Heifers 9,3 - 467 Sheep, Lamb Finishing 120 - 5,285 S	Hay, Alfalfa			-	3,985
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Peas, Field 1,532 - 940 6,13 Rye 753 - 1,143 2,00 Soybeans 224,680 296,978 137,868 384,62 Stover 49 - 245 Straw 44 113 22 Sunflowers 10,698 4,007 1,104 27,31 Sunflowers, Confectionary 2,160 2,532 - - 3,00 Wheat, Durum 3,002 - - 3,00 Wheat, Spring 105,398 85,135 32,646 244,90 Wheat, Winter 3,083 1,178 1,696 56 Custom Work 1,039 - 5,235 5 Rented Out 4,294 9,394 150 9,75 Soybeans, Food 5,414 4,139 1,365 1 Miscellaneous crop income 21 - - - 4 Beef Cow-Calf, Beef Calves 32,430 10,515 25,204 65,31 65,3			303	7,158	-
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Misc. livestock income 3,808 5 138 13,25 Crop government payments 2,924 4,012 1,807 5,86 CRP payments 1,287 918 509 1,90 Other government payments 15,086 10,699 5,919 34,24 Custom work income 5,889 3,257 3,234 12,54 Patronage dividends, cash 4,361 3,707 2,041 8,08 Crop insurance income 43,991 47,852 40,701 66,07 Property insurance income 1,517 1,298 69 4,08 Other farm income 10,800 9,261 9,922 19,92					26,694
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Custom work income 5,889 3,257 3,234 12,54 Patronage dividends, cash 4,361 3,707 2,041 8,08 Crop insurance income 43,991 47,852 40,701 66,07 Property insurance income 1,517 1,298 69 4,08 Other farm income 10,800 9,261 9,922 19,92					34,247
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Other farm income 10,800 9,261 9,922 19,92					4,088
					19,929
Gross Cash Farm Income 849,976 832,401 405,605 1,621,67	Gross Cash Farm Income	849,976	832,401	405,605	1,621,675

Farm Income Statement (continued) North Dakota Farm Business Management Education Program Region 3 - South Central North Dakota, 2014 (Farms Sorted By Net Farm Income)

	Avg. Of <u>All Farms</u>	Low 20%	40 - 60%	High 20%
Number of farms	136	27	27	28
Cash Farm Expense				
Seed	96,684	108,896	60,801	154,766
Fertilizer	91,366	96,964	41,361	184,902
Crop chemicals	47,464	55,345	23,833	71,867
Crop insurance	30,637	36,757	17,318	47,388
Drying expense	5,083	12,116	3,736	4,704
Storage	1,277	757	244	3,713
Irrigation energy and fees	3,388	16,409	244	540
			-	
Crop marketing	981	550	164	2,508
Crop miscellaneous	1,867	574	894	3,682
Consultants	660	850	777	791
Feeder livestock purchase	45,293	-	13,763	130,303
Purchased feed	20,586	1,961	8,673	29,599
Breeding fees	629	-	94	1,139
Veterinary	3,854	780	1,618	6,086
Supplies	3,079	344	73	4,737
Livestock custom hire	188	-	-	362
Grazing fees	84			297
Hauling and trucking	904	-	-	291
Livestock marketing		-	-	1.000
· · · · · · · · · · · · · · · · · · ·	1,217	57	832	1,999
Interest	28,958	40,791	19,529	33,879
Fuel & oil	42,720	43,205	23,115	72,130
Repairs	46,219	55,607	24,281	70,872
Custom hire	19,019	27,536	14,045	24,243
Hired labor	27,059	24,137	5,377	52,872
Land rent	91,653	112,386	46,550	164,966
Machinery leases	9,204	20,941	3,431	8,658
Building leases	647	786	1,238	152
Real estate taxes	4,455	3,684	3,516	7,813
Farm insurance	11,640	11,486	6,779	18,185
Utilities				
	9,781	8,136	3,931	18,380
Dues & professional fees	2,859	2,072	1,197	8,069
Miscellaneous	13,511	13,580	7,957	22,235
Total cash expense	662,965	696,707	335,127	1,151,836
Net cash farm income	187,011	135,694	70,478	469,839
Inventory Changes				
Prepaids and supplies	-9,870	-44,854	-7,074	13,463
Accounts receivable	-5,255	-1,043	-10,239	-8,979
Hedging accounts	-1,911	538	162	-9,965
Other current assets	-136	-875	856	3,205
Crops and feed	-21,258	-93,131	21,134	-23,124
Market livestock	40,686	9,699	15,915	106,741
Breeding livestock	-157	-12	184	-554
Other assets	-3,864	411	623	-21,762
Accounts payable	1,465	-6,434	6,798	6,217
Accrued interest	-2,779	-8,409	-2,207	1,233
Total inventory change	-3,079	-144,109	26,152	66,474
Net operating profit	183,931	-8,415	96,630	536,313
Depreciation	20.444	00.000	00 ==0	400 4
Machinery and equipment	-60,144	-63,220	-28,776	-106,444
Titled vehicles	-3,725	-4,002	-2,590	-5,081
Buildings and improvements	-7,574	-9,733	-1,804	-12,197
Total depreciation	-71,443	-76,955	-33,170	-123,723
Net farm income from operations	112,489	-85,370	63,460	412,590
Gain or loss on capital sales	432	2,449	-918	447
Netfarmincome	112,920	-82,920	62,542	413,037
	,	,	, -	-,

Inventory Changes North Dakota Farm Business Management Education Program Region 3 - South Central North Dakota, 2014 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	<u>Low 20%</u>	40 - 60%	<u> </u>
Number of farms	136	27	27	28
Net cash farm income	187,011	135,694	70,478	469,839
Crops and Feed	=00 = 40	444.000	4=0=04	4 007 004
Endinginventory	520,742	414,630	179,784	1,337,931
Beginning inventory	542,000	507,761	158,649	1,361,055
Inventory change	-21,258	-93,131	21,134	-23,124
Market Livestock				
Ending inventory	104,713	16,780	41,179	260,216
Beginning inventory	64,027	7,081	25,264	153,475
Inventory change	40,686	9,699	15,915	106,741
Accts Receivable				
Ending inventory	38,576	23,994	8,247	72,416
Beginning inventory	43,831	25,037	18,486	81,395
Inventory change	-5,255	-1,043	-10,239	-8,979
Dramaid Eveness and Complian				
Prepaid Expenses and Supplies Ending inventory	85,585	59,306	42,770	219,817
Beginning inventory	95,455	104,160	49,844	206,354
Inventory change	-9,870	-44,854	-7,074	13,463
michaely change	-,	,	.,	,
Hedging Activities	0.000	0.040	4.004	40.000
Ending inventory	6,308	3,212	1,834	18,858
Withdrawals	2,088 4,463	1,093	868	4,528
Beginning inventory Deposits	4,463 5,845	1,581	805	12,258 21,093
Gain or loss	-1,911	538	162	-9,965
Cam of 1000	1,011	300	102	0,000
Other Current Assets	0.470	4.00=	0.400	- 0-0
Ending inventory	3,176	4,995	2,409	5,256
Beginning inventory	3,312	5,870	1,553	2,050
Inventory change	-136	-875	856	3,205
Breeding Livestock				
Ending inventory	99,190	16,631	54,625	189,491
Capital sales	1,832	263		8,157
Beginning inventory	85,661	14,787	48,725	163,082
Capital purchases	15,518	2,119 -12	5,716	35,120
Depreciation, capital adjust	-157	-12	184	-554
Other Capital Assets				
Ending inventory	67,381	73,496	18,975	189,937
Capital sales	453	-	211	1,282
Beginning inventory	58,520 43,470	66,662	16,912	159,085
Capital purchases	13,178	6,422 411	1,652	53,896
Depreciation, capital adjust	-3,864	411	623	-21,762
Accounts Payable				
Beginning inventory	15,464	19,707	12,654	16,932
Ending inventory	13,999	26,141	5,856	10,715
Inventory change	1,465	-6,434	6,798	6,217
Accrued Interest				
Beginning inventory	11,329	16,650	5,131	12,393
Ending inventory	14,108	25,059	7,338	11,160
Inventory change	-2,779	-8,409	-2,207	1,233
Total inventory change	-3,079	-144,109	26,152	66,474
, ,	·	•	•	•
Net operating profit	183,931	-8,415	96,630	536,313

Depreciation North Dakota Farm Business Management Education Program Region 3 - South Central North Dakota, 2014 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	136	27	27	28
Net operating profit	183,931	-8,415	96,630	536,313
Machinery and Equipment				
Ending inventory	694,665	828,866	329,456	1,173,850
Capital sales	7,314	21,299	3,491	6,173
Beginning inventory	668,877	815,376	317,692	1,111,586
Capital purchases	93,246	98,009	44,032	174,882
Depreciation, capital adjust.	-60,144	-63,220	-28,776	-106,444
Titled Vehicles				
Ending inventory	37,391	51,804	29,027	40,988
Capital sales	1,695	4,551	3,029	531
Beginning inventory	35,664	52,229	25,948	38,578
Capital purchases	7,147	8,129	8,697	8,022
Depreciation, capital adjust.	-3,725	-4,002	-2,590	-5,081
Buildings and Improvements				
Ending inventory	244,933	357,974	66,860	371,827
Capital sales	88	-	444	-
Beginning inventory	222,855	335,118	59,522	335,189
Capital purchases	29,739	32,589	9,586	48,835
Depreciation, capital adjust.	-7,574	-9,733	-1,804	-12,197
Total depreciation, capital adj.	-71,443	-76,955	-33,170	-123,723
Net farm income from operations	112,489	-85,370	63,460	412,590
Gain or loss on capital sales	432	2,449	-918	447
Net farm income	112,920	-82,920	62,542	413,037

Profitability Measures North Dakota Farm Business Management Education Program Region 3 - South Central North Dakota, 2014 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	136	27	27	28
Profitability (assets valued at cost)				
Net farm income from operations	112,489	-85,370	63,460	412,590
Rate of return on assets	3.6 %	-3.5 %	3.9 %	7.3 %
Rate of return on equity	3.6 %	-11.0 %	4.0 %	8.4 %
Operating profit margin	11.4 %	-11.8 %	12.1 %	23.1 %
Asset turnover rate	31.5 %	29.5 %	32.4 %	31.6 %
Farm interest expense	31,737	49,199	21,735	32,646
Value of operator lbr and mgmt.	54,163	51,744	35,556	97,040
Return on farm assets	90,063	-87,914	49,639	348,196
Average farm assets	2,514,339	2,536,588	1,267,400	4,773,507
Return on farm equity	58,325	-137,113	27,903	315,550
Average farm equity	1,629,838	1,244,159	690,592	3,747,751
Value of farm production	793,197	747,328	410,947	1,507,700

Liquidity & Repayment Capacity Measures North Dakota Farm Business Management Education Program Region 3 - South Central North Dakota, 2014 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
No week an afficiency	400			
Number of farms	136	27	27	28
Liquidity				
Current ratio	1.63	0.92	1.65	2.59
Working capital	229,413	-47,546	126,146	745,452
Working capital to gross inc	32.9 %	-7.1 %	29.1 %	58.2 %
Current assets	590,836	516,989	319,084	1,212,908
Current liabilities	361,423	564,535	192,938	467,456
Gross revenues (accrual)	697,119	673,015	433,383	1,281,059
Repayment capacity				
Net farm income from operations	112,489	-85,370	63,460	412,590
Depreciation	71,443	76,955	33,170	123,723
Personal income	34,891	24,514	42,401	18,186
Family living/owner withdrawals	-66,136	-60,629	-51,437	-96,831
Cash discrepancy	16	243	415	-1,069
Payments on personal debt	-3,395	-2,850	-1,848	-2,018
Income taxes paid	-23,190	-14,115	-11,945	-47,788
Interest on term debt	15,337	27,463	14,851	20,527
Capital debt repayment capacity	141,438	-34,031	88,652	428,388
Scheduled term debt payments	-89,422	-149,083	-56,704	-98,281
Capital debt repayment margin	52,016	-183,114	31,949	330,108
Cash replacement allowance	-40,576	-24,982	-17,427	-93,783
Replacement margin	11,440	-208,096	14,522	236,325
Term debt coverage ratio	1.58	-0.23	1.56	4.36
Replacement coverage ratio	1.09	-0.20	1.20	2.23

Balance Sheet at Cost Values

North Dakota Farm Business Management Education Program Region 3 - South Central North Dakota, 2014

(Farms Sorted By Net Farm Income)

	Avg. Of <u>All Farms</u>	<u>Low 20%</u>	<u>40 - 60%</u>	High 20%
Number of farms	125	25	27	22
Assets				
Current Farm Assets				
Cash and checking balance	29,241	18,621	42,862	23,332
Prepaid expenses & supplies	58,704	60,010	42,770	105,384
Growing crops	889	215	1,113	1,727
Accounts receivable	23,330	18,647	8,247	16,174
Hedging accounts	4,250	3,469	1,834	9,155
Crops held for sale or feed	370,422	373,525	179,784	799,127
Crops under government loan	3,840	19,200	-	250,000
Market livestock held for sale	98,468	18,123	41,179	258,009
Other current assets	1,693	5,180 516,080	1,296	1 212 000
Total current farm assets	590,836	516,989	319,084	1,212,908
Intermediate Farm Assets	70.004	47.004	E4.00E	170 110
Breeding livestock	79,994	17,961	54,625	176,419
Machinery and equipment	588,319	751,231	329,456	873,097
Titled vehicles	30,658 40,075	54,149 14,049	29,027	23,741
Other intermediate assets	10,075	14,048 837,389	15,602	15,249 1,088,506
Total intermediate farm assets	709,046	037,309	428,710	1,066,500
Long Term Farm Assets	CCO 700	E42.0E2	F42.400	4 244 005
Farm land	660,729	543,052	513,468	1,341,895
Buildings and improvements	199,401	318,932	66,860	276,083
Other long-term assets	23,523 883,653	63,359	3,374 583,701	34,072
Total long-term farm assets Total Farm Assets		925,343		1,652,050
Total Fallii Assets	2,183,535	2,279,721	1,331,495	3,953,464
Total Nonfarm Assets	296,360	241,148	265,298	324,913
Total Assets	2,479,895	2,520,869	1,596,793	4,278,376
Liabilities				
Current Farm Liabilities				
Accrued interest	14,174	26,660	7,338	13,091
Accounts payable	13,789	27,753	5,856	12,729
Current notes	262,625	391,952	137,893	353,991
Government crop loans	1,699	8,496	<u>-</u>	-
Principal due on term debt	69,135	109,673	41,852	87,645
Total current farm liabilities	361,423	564,535	192,938	467,456
Total intermediate farm liabs	158,405	273,365	118,977	143,034
Total long term farm liabilities	374,335	350,473	316,082	727,447
Total farm liabilities	894,163	1,188,373	627,997	1,337,937
Total nonfarm liabilities	44,299	34,525	43,114	54,140
Total liabilities	938,462	1,222,898	671,111	1,392,077
Net worth (farm and nonfarm)	1,541,434	1,297,971	925,682	2,886,300
Net worth change	51,620	-113,946	42,807	239,548
Percent net worth change	3 %	-8 %	5 %	9 %
Ratio Analysis				
Current farm liabilities / assets	61 %	109 %	60 %	39 %
Intermediate farm liab. / assets	22 %	33 %	28 %	13 %
Long term farm liab. / assets	42 %	38 %	54 %	44 %
Total debt to asset ratio	38 %	49 %	42 %	33 %

Statement Of Cash Flows

North Dakota Farm Business Management Education Program Region 3 - South Central North Dakota, 2014 (Farms Sorted By Net Farm Income)

	Avg. Of			
	All Farms	Low 20%	40 - 60%	High 20%
Number of farms	136	27	27	28
Beginning cash (farm & nonfarm)	32,112	38,335	24,215	45,487
Cash Provided By Operating Activities				
Gross cash farm income	849,976	832,401	405,605	1,621,675
Total cash farm expense	-662,965	-696,707	-335,127	-1,151,836
Net cash from hedging transactions	-3,757	-1,581	-805	-16,565
Cash provided by operating	183,254	134,113	69,673	453,273
Cash Provided By Investing Activities				
Sale of breeding livestock	1,832	263	-	8,157
Sale of machinery & equipment	8,056	24,219	3,713	6,574
Sale of titled vehicles	1,319	3,747	1,889	577
Sale of farm land	1,219	6,140	-	-
Sale of farm buildings	154	333	444	-
Sale of other farm assets	453	-	211	1,282
Sale of nonfarm assets	5,059	7,243	10,693	7,169
Purchase of breeding livestock	-15,518	-2,119	-5,716	-35,120
Purchase of machinery & equip.	-93,246	-98,009	-44,032	-174,882
Purchase of titled vehicles	-7,147	-8,129	-8,697	-8,022
Purchase of farm land	-115,995	-63,778	-50,263	-364,714
Purchase of farm buildings	-29,739	-32,589	-9,586	-48,835
Purchase of other farm assets	-13,178	-6,422	-1,652	-53,896
Purchase of nonfarm assets	-25,931	-5,365	-34,704	-28,832
Cash provided by investing	-282,663	-174,465	-137,700	-690,541
Cash Provided By Financing Activities				
Money borrowed	674,117	762,692	378,045	1,189,666
Principal payments	-509,732	-670,536	-259,286	-817,024
Personal income	34,891	24,514	42,401	18,186
Family living/owner withdrawals	-66,136	-60,629	-51,437	-96,831
Income and social security tax	-23,190	-14,115	-11,945	-47,788
Capital contributions	· -	-	-	-
Capital distributions	-4,296	-6,088	-3,333	-6,264
Dividends paid	, -	-	, -	-
Cash gifts and inheritances	4,664	741	1,037	3,305
Gifts given	-2,617	-596	-84	-8,755
Other cash flows	180	-	-	
Cash provided by financing	107,881	35,984	95,398	234,494
Net change in cash balance	8,472	-4,369	27,371	-2,774
Ending cash (farm & nonfarm)	40,600	34,210	52,000	41,645
Discrepancy	-16	-243	- 4 15	1,069

Financial Standards Measures North Dakota Farm Business Management Education Program Region 3 - South Central North Dakota, 2014 (Farms Sorted By Net Farm Income)

	Avg. Of			
	All Farms	Low 20%	40 - 60%	High 20%
Number of farms	136	27	27	28
Liquidity				
Current ratio	1.63	0.92	1.65	2.59
Working capital	229,413	-47,546	126,146	745,452
Working capital to gross inc	32.9 %	-7.1 %	29.1 %	58.2 %
Solvency (cost)				
Farm debt to asset ratio	41 %	52 %	47 %	34 %
Farm equity to asset ratio	59 %	48 %	53 %	66 %
Farm debt to equity ratio	0.69	1.09	0.89	0.51
Profitability (cost)				
Rate of return on farm assets	3.6 %	-3.5 %	3.9 %	7.3 %
Rate of return on farm equity	3.6 %	-11.0 %	4.0 %	8.4 %
Operating profit margin	11.4 %	-11.8 %	12.1 %	23.1 %
Net farm income	112,920	-82,920	62,542	413,037
EBITDA	215,669	40,784	118,365	568,959
Repayment Capacity				
Capital debt repayment capacity	141,438	-34,031	88,652	428,388
Capital debt repayment margin	52,016	-183,114	31,949	330,108
Replacement margin	11,440	-208,096	14,522	236,325
Term debt coverage ratio	1.58	-0.23	1.56	4.36
Replacement coverage ratio	1.09	-0.20	1.20	2.23
Efficiency				
Asset turnover rate (cost)	31.5 %	29.5 %	32.4 %	31.6 %
Operating expense ratio	74.9 %	94.6 %	72.7 %	65.9 %
Depreciation expense ratio	8.3 %	10.3 %	7.7 %	7.4 %
Interest expense ratio	3.7 %	6.6 %	5.0 %	2.0 %
Net farm income ratio	13.1 %	-11.1 %	14.4 %	24.8 %

Crop Production and Marketing Summary North Dakota Farm Business Management Education Program Region 3 - South Central North Dakota, 2014 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
		 -		
Number of farms	136	27	27	28
Acreage Summary				
Total acres owned	947	850	553	1,690
Total crop acres	1,964	2,034	1,099	3,424
Crop acres owned	558	584	317	885
Crop acres cash rented	1,313	1,291	715	2,455
Crop acres share rented	94	158	67	85
Total pasture acres	490	113	166	1,184
Percent crop acres owned	28 %	29 %	29 %	26 %
Mach invest/crop acre cost	366	430	319	345
Average Price Received (Cash Sales O	nly)			
Soybeans per bushel	10.97	10.97	10.34	11.79
Corn per bushel	3.80	3.83	3.41	4.22
Wheat, Spring per bushel	6.28	5.87	5.01	6.76
Barley per bushel	6.16	-	-	6.31
Beans, Pinto per cwt	28.90	-	-	-
Sunflowers per cwt	21.12	-	-	-
Wheat, Winter per bushel	5.94	-	-	-
Canola per cwt	22.95	-	-	-
Hay, Grass per ton	55.30	-	_	-
Oats per bushel	3.36	-	-	-
Average Yield Per Acre				
Soybeans (bushel)	33.99	32.61	32.62	37.94
Wheat, Spring (bushel)	59.32	57.37	55.75	62.46
Corn (bushel)	127.77	132.01	121.42	130.37
Pasture (aum)	0.924	0.821	0.948	0.957
Hay, Grass (ton)	1.78	-	1.69	1.75
Hay, Mixed Alfalfa/Grass (ton)	1.95	-	1.67	2.31
Barley (bushel)	84.42	-	79.26	86.20
Sunflowers (cwt)	10.75	9.10	-	-
Hay, Alfalfa (ton)	2.40	-	_	3.13
Beans, Pinto (cwt)	14.46	12.04	-	-
Corn Silage (ton)	12.05	-	-	11.04
Wheat, Winter (bushel)	44.35	-	_	
Hay, Small Grain (ton)	2.99	-	_	3.39
Canola (cwt)	17.82			0.00

Household and Personal Expenses North Dakota Farm Business Management Education Program Region 3 - South Central North Dakota, 2014 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	 59	9	13	11
Number of farms				
Average family size	2.6	2.2	2.2	3.1
Family Living Expenses				
Food and meals expense	7,169	5,660	6,160	8,930
Medical care	4,226	2,805	3,944	6,272
Health insurance	7,484	4,100	5,580	14,346
Cash donations	1,862	418	874	2,257
Household supplies	8,050	7,271	11,292	10,735
Clothing	2,007	1,239	1,502	5,028
Personal care	6,399	7,341	4,780	7,986
Child / Dependent care	325	186	206	838
Alimony and child support	227	-	145	-
Gifts	1,889	1,580	1,774	2,315
Education	1,189	1,551	906	2,160
Recreation	4,452	4,597	4,576	9,030
Utilities (household share)	3,734	3,281	3,889	4,387
Personal vehicle operating exp	3,414	2,430	3,761	3,939
Household real estate taxes	271	920	132	139
Dwelling rent	265	-	961	177
Household repairs	2,215	1,308	3,031	1,452
Personal interest	894	1,637	1,133	445
Disability / Long term care ins	369	24	252	96
Life insurance payments	3,040	2,397	1,404	6,631
Personal property insurance	388	643	299	539
Miscellaneous	1,291	1,111	3,119	1,155
Total cash family living expense	61,159	50,499	59,721	88,858
Family living from the farm	119	-	-	-
Total family living	61,278	50,499	59,721	88,858
Other Nonfarm Expenditures				
Income taxes	27,256	14,682	16,609	59,617
Furnishing & appliance purchases	142	-	106	18
Nonfarm vehicle purchases	2,323	-	615	9,316
Nonfarm real estate purchases	1,277	-	1,495	-
Other nonfarm capital purchases	-320	-	-2,827	-2,175
Nonfarm savings & investments	8,460	2,188	6,633	25,237
Total other nonfarm expenditures	39,139	16,870	22,632	92,014
Total cash family living				
investment & nonfarm capital purch	100,298	67,370	82,353	180,871

Operator and Labor Information North Dakota Farm Business Management Education Program Region 3 - South Central North Dakota, 2014 (Farms Sorted By Net Farm Income)

	Avg. Of	1 au 2007	40 00%	Hinh 200/
	All Farms	Low 20%	40 - 60%	High 20%
Number of farms	136	27	27	28
Operator Information				
Average number of operators	1.1	1.1	1.0	1.2
Average age of operators	46.4	49.5	40.4	49.9
Average number of years farming	22.5	25.3	17.4	27.7
Results Per Operator				
Working capital	359,607	-6,800	126,146	1,197,705
Total assets (cost)	2,643,747	2,562,769	1,596,793	4,421,153
Total liabilities	922,754	1,291,859	671,111	1,036,319
Net worth (cost)	1,720,993	1,270,910	925,682	3,384,834
Gross farm income	784,122	697,614	433,383	1,373,319
Total farm expense	681,448	777,096	369,924	1,033,539
Net farm income from operations	102,674	-79,482	63,460	339,780
Net nonfarm income	31,846	22,824	42,401	14,977
Family living & tax withdrawals	81,517	69,362	62,967	119,979
Total acres owned	864.0	791.8	553.1	1,391.9
Total crop acres	1,793.1	1,893.5	1,099.2	2,819.8
Crop acres owned	509.3	544.0	317.4	728.4
Crop acres cash rented	1,198.3	1,202.2	714.7	2,021.6
Crop acres share rented	85.5	147.3	67.1	69.8
Total pasture acres	447.0	105.2	165.5	975.1
Labor Analysis				
Number of farms	136	27	27	28
Total unpaid labor hours	1,953	1,787	1,489	2,643
Total hired labor hours	1,343	1,018	221	2,477
Total labor hours per farm	3,296	2,805	1,710	5,120
Unpaid hours per operator	1,783	1,664	1,489	2,176

Nonfarm Summary North Dakota Farm Business Management Education Program Region 3 - South Central North Dakota, 2014 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	136	27	27	28
Nonfarm Income				
Personal wages & salary	20,155	16,728	20,571	9,509
Net nonfarm business income	6,350	1,984	9,168	801
Personal rental income	1,656	-	3,630	186
Personal interest income	586	185	36	1,839
Personal cash dividends	114	391	-	63
Taxrefunds	1,364	1,262	1,808	535
Nontaxable personal inc.	180	· -	· -	-
Other nonfarm income	4,666	3,964	7,189	5,254
Total nonfarm income	35,070	24,514	42,401	18,186
Gifts and inheritances	4,664	741	1,037	3,305

Financial Summary North Dakota Farm Business Management Education Program Region 3 - South Central North Dakota, 2014 (Farms Sorted By Gross Farm Income)

	Avg. Of All Farms	Less than 50,000	50,001 - 100,000	100,001 - 250,000	250,001 - 500,000	500,001 - 1,000,000	Over _1,000,000
Number of farms	136	6	8	22	30	34	36
Income Statement							
Gross cash farm income	849,976	33,525	78,603	174,563	383,085	718,041	2,083,901
Total cash farm expense	662,965	42,652	64,659	153,741	277,421	545,847	1,642,398
Net cash farm income	187,011	-9,127	13,944	20,822	105,664	172,194	441,503
Inventory change	-3,079	11,166	20,835	49,262	-19,999	19,008	-49,514
Depreciation	-71,443	-2,385	-7 [°] ,575	-12,048	-27,556	-58,992	-181,774
Net farm income from operations	112,489	-347	27,204	58,036	58,109	132,210	210,214
Gain or loss on capital sales	432	1,250	, -	, -	, -	-633	2,021
Average net farm income	112,920	903	27,204	58,036	58,109	131,576	212,235
Median net farm income	61,595	2,458	22,220	55,702	57,109	121,842	168,695
Profitability (cost)							
Rate of return on assets	3.6 %	-2.4 %	4.0 %	6.2 %	3.3 %	5.1 %	2.9 %
Rate of return on equity	3.6 %	-11.7 %	4.8 %	7.9 %	3.0 %	6.1 %	2.6 %
Operating profit margin	11.4 %	-9.1 %	17.2 %	20.1 %	12.0 %	17.0 %	8.7 %
Asset turnover rate	31.5 %	26.5 %	23.0 %	30.9 %	27.3 %	30.1 %	33.2 %
Liquidity & Repayment (end of ye	ear)						
Current assets	590,836	42,060	92,418	177,757	339,111	592,953	1,458,859
Current liabilities	361,423	30,420	64,165	103,857	179,976	346,165	943,643
Current ratio	1.63	1.38	1.44	1.71	1.88	1.71	1.55
Working capital	229,413	11,640	28,252	73,900	159,135	246,788	515,215
Working capital to gross inc	32.9 %	24.9 %	25.5 %	32.5 %	42.0 %	33.4 %	30.6 %
Term debt coverage ratio	1.58	0.53	2.20	2.31	1.68	1.62	1.48
Replacement coverage ratio	1.09	0.52	1.89	1.90	1.22	1.13	0.98
Term debt to EBITDA	2.18	9.47	1.99	2.39	2.81	2.16	2.03
Solvency (end of year at cost)							
Number of sole proprietors	125	6	8	21	30	33	27
Total assets	2,479,895	241,925	683,524	882,448	1,679,310	2,778,538	5,276,471
Total liabilities	938,462	125,140	310,614	366,567	526,490	1,149,907	1,949,350
Net worth	1,541,434	116,786	372,910	515,881	1,152,820	1,628,631	3,327,121
Net worth change	51,620	7,765	38,207	56,763	52,352	54,634	56,841
Farm debt to asset ratio	41 %	55 %	49 %	42 %	35 %	46 %	40 %
Total debt to asset ratio	38 %	52 %	45 %	42 %	31 %	41 %	37 %
Change in earned net worth %	3 %	7 %	11 %	12 %	5 %	3 %	2 %
Nonfarm Information							
Net nonfarm income	34,891	59,593	58,372	30,033	60,930	23,024	18,032
Farms reporting living expenses	59	2	2	8	16	17	14
Total family living expense	61,278	-	-	39,319	47,679	71,691	82,690
Crop Acres							
Total crop acres	1,964	169	282	622	1,031	1,754	4,434
Total crop acres owned	558	48	92	242	359	687	983
Total crop acres cash rented	1,313	121	159	327	575	1,000	3,280
Total crop acres share rented	94	-	31	53	97	[′] 66	171
Machinery value per crop acre	366	180	400	215	377	341	386

Financial Summary North Dakota Farm Business Management Education Program Region 3 - South Central North Dakota, 2014 (Farms Sorted By Age of Operator)

136 849,976 662,965 187,011 -3,079 -71,443 112,489 432 112,920 61,595 3.6 % 3.6 %	25 354,492 267,337 87,155 17,826 -32,679 72,303 52 72,355 59,299	867,171 761,477 105,694 47,846 -50,946 102,595 -467 102,127 54,740	25 1,227,740 1,040,624 187,116 42,389 -97,361 132,144 -972 131,172 79,594	36 1,076,442 799,563 276,879 -34,857 -108,085 133,936 2,207 136,143 58,822	29 657,876 437,550 220,326 -57,727 -51,872 110,727 417 111,144 56,630
662,965 187,011 -3,079 -71,443 112,489 432 112,920 61,595	267,337 87,155 17,826 -32,679 72,303 52 72,355 59,299	761,477 105,694 47,846 -50,946 102,595 -467 102,127	1,040,624 187,116 42,389 -97,361 132,144 -972 131,172	799,563 276,879 -34,857 -108,085 133,936 2,207 136,143	437,550 220,326 -57,727 -51,872 110,727 417 111,144
662,965 187,011 -3,079 -71,443 112,489 432 112,920 61,595	267,337 87,155 17,826 -32,679 72,303 52 72,355 59,299	761,477 105,694 47,846 -50,946 102,595 -467 102,127	1,040,624 187,116 42,389 -97,361 132,144 -972 131,172	799,563 276,879 -34,857 -108,085 133,936 2,207 136,143	437,550 220,326 -57,727 -51,872 110,727 417 111,144
662,965 187,011 -3,079 -71,443 112,489 432 112,920 61,595	267,337 87,155 17,826 -32,679 72,303 52 72,355 59,299	761,477 105,694 47,846 -50,946 102,595 -467 102,127	1,040,624 187,116 42,389 -97,361 132,144 -972 131,172	799,563 276,879 -34,857 -108,085 133,936 2,207 136,143	437,550 220,326 -57,727 -51,872 110,727 417 111,144
187,011 -3,079 -71,443 112,489 432 112,920 61,595	87,155 17,826 -32,679 72,303 52 72,355 59,299	105,694 47,846 -50,946 102,595 -467 102,127	187,116 42,389 -97,361 132,144 -972 131,172	276,879 -34,857 -108,085 133,936 2,207 136,143	220,326 -57,727 -51,872 110,727 417 111,144
-3,079 -71,443 112,489 432 112,920 61,595	17,826 -32,679 72,303 52 72,355 59,299	47,846 -50,946 102,595 -467 102,127	42,389 -97,361 132,144 -972 131,172	-34,857 -108,085 133,936 2,207 136,143	-57,727 -51,872 110,727 417 111,144
112,489 432 112,920 61,595	72,303 52 72,355 59,299	102,595 -467 102,127	132,144 -972 131,172	133,936 2,207 136,143	110,727 417 111,144
432 112,920 61,595 3.6 %	52 72,355 59,299	-467 102,127	-972 131,172	2,207 136,143	417 111,144
432 112,920 61,595 3.6 %	52 72,355 59,299	-467 102,127	-972 131,172	2,207 136,143	417 111,144
112,920 61,595 3.6 %	59,299	102,127	131,172	136,143	111,144
61,595 3.6 %	59,299				
3.6 %	6.8 %	4.1 %	3.9 %	2.8 %	3.4 %
	10.1 %	4.4 %	4.0 %	2.5 %	3.4 %
11.4 %	15.2 %	9.8 %	10.4 %	10.3 %	14.5 %
31.5 %	44.7 %	41.5 %	37.3 %	27.3 %	23.8 %
590,836	274,611	625,394	811,303	754,256	497,616
361,423	156,615	409,026	495,011	554,444	191,200
1.63	1.75	1.53	1.64	1.36	2.60
229,413			316,292		306,415
32.9 %	29.8 %	28.2 %	31.0 %	23.9 %	59.1 %
1.58	1.56	1.38	1.03	1.78	2.34
1.09	1.44	1.14	0.82	1.11	1.19
2.18	2.43	1.95	2.62	2.25	1.49
					28
2,479,895				, ,	2,729,625
938,462	561,501				823,965
1,541,434	499,318	1,150,509	1,781,850	2,111,227	1,905,659
51,620	62,769	39,612	75,922	21,225	66,323
41 %	54 %	45 %	39 %	42 %	34 %
					30 %
3 %	14 %	4 %	4 %	1 %	4 %
34,891	23,436	38,757	18,724	34,383	56,532
59	8	8	8	18	17
61,278	39,272	53,533	88,263	66,614	56,930
1,964	1,026	1,897	2,532	2,521	1,642
558	99	200	681	786	823
	886	1,587	1,787		740
94	41	110	64	152	79
366	268	329	333	425	380
	361,423 1.63 229,413 32.9 % 1.58 1.09 2.18 125 2,479,895 938,462 1,541,434 51,620 41 % 38 % 3 % 34,891 59 61,278	361,423	361,423 156,615 409,026 1.63 1.75 1.53 229,413 117,995 216,368 32.9 % 29.8 % 28.2 % 1.58 1.56 1.38 1.09 1.44 1.14 2.18 2.43 1.95 125 25 19 2,479,895 1,060,819 1,981,224 938,462 561,501 830,714 1,541,434 499,318 1,150,509 51,620 62,769 39,612 41 % 54 % 45 % 38 % 53 % 42 % 3 % 14 % 4 % 34,891 23,436 38,757 59 8 8 61,278 39,272 53,533 1,964 1,026 1,897 558 99 200 1,313 886 1,587 94 41 110	361,423 156,615 409,026 495,011 1.63 1.75 1.53 1.64 229,413 117,995 216,368 316,292 32.9 % 29.8 % 28.2 % 31.0 % 1.58 1.56 1.38 1.03 1.09 1.44 1.14 0.82 2.18 2.43 1.95 2.62 125 25 19 21 2,479,895 1,060,819 1,981,224 2,869,493 938,462 561,501 830,714 1,087,643 1,541,434 499,318 1,150,509 1,781,850 51,620 62,769 39,612 75,922 41 % 54 % 45 % 39 % 38 % 53 % 42 % 38 % 3 % 14 % 4 % 4 % 34,891 23,436 38,757 18,724 59 8 8 8 61,278 39,272 53,533 88,263 1,964 1,026 1,897 2,532 558 99 200 <td>361,423 156,615 409,026 495,011 554,444 1.63 1.75 1.53 1.64 1.36 229,413 117,995 216,368 316,292 199,812 32.9 % 29.8 % 28.2 % 31.0 % 23.9 % 1.58 1.56 1.38 1.03 1.78 1.09 1.44 1.14 0.82 1.11 2.18 2.43 1.95 2.62 2.25 125 25 19 21 32 2,479,895 1,060,819 1,981,224 2,869,493 3,410,449 938,462 561,501 830,714 1,087,643 1,299,222 1,541,434 499,318 1,150,509 1,781,850 2,111,227 51,620 62,769 39,612 75,922 21,225 41 % 54 % 45 % 39 % 42 % 38 % 53 % 42 % 38 % 38 % 3 % 14 % 4 % 4 % 1 % 34,891 23,436 38,757 18,724 34,383</td>	361,423 156,615 409,026 495,011 554,444 1.63 1.75 1.53 1.64 1.36 229,413 117,995 216,368 316,292 199,812 32.9 % 29.8 % 28.2 % 31.0 % 23.9 % 1.58 1.56 1.38 1.03 1.78 1.09 1.44 1.14 0.82 1.11 2.18 2.43 1.95 2.62 2.25 125 25 19 21 32 2,479,895 1,060,819 1,981,224 2,869,493 3,410,449 938,462 561,501 830,714 1,087,643 1,299,222 1,541,434 499,318 1,150,509 1,781,850 2,111,227 51,620 62,769 39,612 75,922 21,225 41 % 54 % 45 % 39 % 42 % 38 % 53 % 42 % 38 % 38 % 3 % 14 % 4 % 4 % 1 % 34,891 23,436 38,757 18,724 34,383

Financial Summary North Dakota Farm Business Management Education Program Region 3 - South Central North Dakota, 2014 (Farms Sorted By Farm Type)

	Avg. Of All Farms	Сгор	Beef	Crop and Beef	Other
Number of farms	136	85	11	23	15
Income Statement					
Gross cash farm income	849,976	972,645	688,225	504,333	416,567
Total cash farm expense	662,965	725,235	634,531	418,095	291,801
Net cash farm income	187,011	247,410	53,695	86,238	124,767
Inventory change	-3,079	-54,007	120,056	55,556	11,324
Depreciation	-71,443	-85,912	-27,459	-38,194	-42,437
Net farm income from operations	112,489	107,492	146,291	103,601	93,654
Gain or loss on capital sales	432	634	, -	⁻ -19	352
Average net farm income	112,920	108,126	146,291	103,582	94,006
Median net farm income	61,595	54,774	133,770	56,630	37,137
Profitability (cost)					
Rate of return on assets	3.6 %	2.7 %	9.2 %	5.4 %	6.1 %
Rate of return on equity	3.6 %	2.2 %	16.0 %	6.3 %	10.8 %
Operating profit margin	11.4 %	8.6 %	33.7 %	18.2 %	19.8 %
Asset turnover rate	31.5 %	31.3 %	27.2 %	29.4 %	30.8 %
Liquidity & Repayment (end of year					
Current assets	590,836	684,498	622,682	470,607	232,918
Current liabilities	361,423	390,301	488,972	311,745	178,383
Current ratio	1.63	1.75	1.27	1.51	1.31
Working capital	229,413	294,197	133,710	158,862	54,535
Working capital to gross inc	32.9 %	37.8 %	17.0 %	27.1 %	15.6 %
Term debt coverage ratio	1.58	1.46	2.26	1.84	1.88
Replacement coverage ratio	1.09	0.92	2.08	1.56	1.78
Term debt to EBITDA	2.18	2.36	1.66	1.87	1.62
Solvency (end of year at cost)	405	70	4.4	00	4.4
Number of sole proprietors	125	78	11	22	14
Total assets	2,479,895	2,843,248	1,833,311	1,898,944	1,876,454
Total liabilities	938,462	963,547	1,039,083	643,665	1,182,892
Net worth	1,541,434	1,879,701	794,228	1,255,279	693,562
Net worth change	51,620	34,318	109,545	75,871	64,391
Farm debt to asset ratio	41 %	37 %	57 %	36 %	68 %
Total debt to asset ratio Change in earned net worth %	38 % 3 %	34 % 2 %	57 % 16 %	34 % 6 %	63 % 10 %
Nonfarm Information					
Net nonfarm income	34,891	36,892	40,857	23,751	40,911
Farms reporting living expenses	59	44	3	23,731	3
Total family living expense	61,278	63,959	-	57,445	-
Crop Acres					
Total crop acres	1,964	2,422	807	1,254	852
Total crop acres owned	558	665	362	498	233
Total crop acres cash rented	1,313	1,644	441	617	619
Total crop acres share rented	94	112	4	139	-
Machinery value per crop acre	366	373	338	307	384
		J. J			301

EXPLANATORY NOTES FOR CROPS TABLES

The "Crop Enterprise Analysis" tables show the average physical production, gross return, direct costs, overhead costs, and net returns per acre. The "Net Return per Acre" is the "Gross Return per Acre" minus the direct and overhead costs. "Net Return" represents the return to the operator's and family's unpaid labor, management, and equity. It represents the return to all of the resources which are owned by the farm family and hence, not purchased or paid a wage. Net returns are also calculated after a charge for unpaid operator labor and management and after an allocation of direct government payments. The last section of each crop table contains breakeven yield measures which provide useful standards or goals for the individual managers.

There are potentially three tables for each crop depending on the farmer's tenure on the land. The crop tables may be for (1) owned land, (2) cash rented land, and (3) share rented land. Individual farms may have data in all three tables if all three land tenure categories are represented in that farm business. When there are less than five farms with a particular crop and tenure, that table is not included in the report. Farms may be classified into the low 20%, the mid 20%, or the high 20% on the basis of <u>net return per acre</u>. The classification is done separately for each table, i.e., an individual farm may be in the low 20% for one crop, the high 20% for a second, and the middle 20% for a third crop. When there are less than 25 total farms with any particular crop and farmer's tenure, only overall averages are presented.

Several cost items, such as "utilities," "hired labor," and "interest paid," are listed under both "direct" and "overhead" costs because some of these costs are specific to that crop whereas others are general overhead costs of the farm. For example, "Machinery leases" as direct expense refers to machinery leased and used only in that crop enterprise; the most common example is the lease of equipment that is crop specific. However, cost of leasing machinery that is used for the entire farm operation is listed as an overhead cost. Interest payments are likewise divided into those incurred directly for a specific crop and those that are not. "Land Rent" is listed as a direct cost for each crop enterprise on cash rented land. In the case of double cropping, one-half of the rent is charged to each crop.

"Total direct expense per unit" and "Total dir & ovhd exp per unit" are calculated by dividing "Total direct expense per acre" and "Total dir & ovhd expenses per acre," respectively, by "Yield per acre." "With labor & management" is the breakeven yield after direct, overhead and a labor and management charge are considered. "Total exp less govt & oth income" is the breakeven yield after all costs (including a labor and management charge) are reduced by government payments and miscellaneous income.

In the last section of the crop table, "machinery cost per acre" is the sum of fuel, repairs, all custom hire and machinery leases, machinery depreciation and interest on intermediate debt.

Rounding of individual items for the report may have caused minor discrepancies with the calculated totals.

Barley on Owned Land

	Avg. Of All Farms
Number of farms	11
Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	78.20 100.00 5.23 409.26 10.89 0.17 420.31
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Drying expense Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	18.75 66.95 30.36 17.73 1.40 22.27 19.40 11.16 3.73 0.93 192.68 227.64
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	6.98 2.35 0.76 6.63 5.24 3.82 0.47 14.73 36.69 11.40 89.07 281.75 138.57
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	6.11 144.68 23.28 121.40
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.46 3.60 3.38 3.68
Net value per unit Machinery cost per acre Est. labor hours per acre	5.23 90.52 1.20

Barley on Cash Rent

	Avg. Of All Farms
Number of farms	13
Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	87.69 100.00 4.25 372.89 10.81 1.06 384.77
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Drying expense Fuel & oil Repairs Custom hire Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	20.06 57.81 24.27 13.92 0.24 18.53 14.38 4.98 61.24 0.86 0.39 216.68 168.08
Overhead Expenses Hired labor Machinery leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	10.30 1.44 4.25 3.45 4.74 0.72 35.43 6.82 67.15 283.84 100.93
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	1.08 102.01 21.02 81.00
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.47 3.24 3.09 3.33
Net value per unit Machinery cost per acre Est. labor hours per acre	4.25 72.04 0.99

Beans, Pinto on Owned Land

	Avg. Of All Farms
Number of farms	6
Yield per acre (cwt.) Operators share of yield % Value per cwt. Total product return per acre Crop insurance per acre Gross return per acre	14.14 100.00 25.71 363.65 58.53 422.19
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	49.07 37.98 48.35 23.52 17.92 18.92 16.43 4.60 1.22 218.02 204.17
Overhead Expenses Hired labor Machinery leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	9.19 5.87 5.41 3.36 6.71 0.37 22.77 37.04 5.51 96.22 314.24 107.95
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	107.95 24.16 83.79
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	15.41 22.22 18.08 19.79
Net value per unit Machinery cost per acre Est. labor hours per acre	25.71 96.28 1.18

Beans, Pinto on Cash Rent

	Avg. Of All Farms
Number of farms	9
Yield per acre (cwt.) Operators share of yield % Value per cwt. Total product return per acre Crop insurance per acre Gross return per acre	14.27 100.00 25.52 364.17 60.70 424.87
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	54.69 36.36 64.03 20.56 18.34 23.14 5.38 67.09 5.81 3.40 298.79 126.07
Overhead Expenses Hired labor Machinery leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	14.43 5.28 3.76 6.47 1.89 3.81 39.06 5.17 79.87 378.66 46.21
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	46.21 25.06 21.15
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	20.94 26.54 22.29 24.04
Net value per unit Machinery cost per acre Est. labor hours per acre	25.52 90.45 1.23

Canola on Owned Land

	Avg. Of All Farms
Number of farms	7
Yield per acre (cwt.) Operators share of yield % Value per cwt. Total product return per acre Crop insurance per acre Gross return per acre	17.61 100.00 19.14 337.06 0.04 337.10
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	52.16 82.96 33.35 7.72 18.22 10.98 10.18 2.04 1.29 218.92 118.18
Overhead Expenses Hired labor Machinery leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	7.54 0.62 4.11 3.68 2.93 0.70 9.16 26.70 4.72 60.15 279.06 58.04
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	58.04 18.18 39.85
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	12.43 15.85 15.85 16.88
Net value per unit Machinery cost per acre Est. labor hours per acre	19.14 67.65 1.08

Canola on Cash Rent

	Avg. Of All Farms
Number of farms	5
Yield per acre (cwt.) Operators share of yield % Value per cwt. Total product return per acre Crop insurance per acre Gross return per acre	17.98 100.00 16.36 294.19 2.15 296.34
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Land rent Operating interest Total direct expenses per acre Return over direct exp per acre	53.77 75.58 49.85 6.67 19.45 17.05 7.40 48.46 2.66 280.91 15.43
Overhead Expenses Hired labor Machinery leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	9.59 2.02 4.06 3.96 0.10 1.50 28.57 3.39 53.18 334.09 -37.76
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	-37.76 19.33 -57.09
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	15.62 18.58 18.46 19.53
Net value per unit Machinery cost per acre Est. labor hours per acre	16.36 72.15 0.92

Corn on Owned Land

	Avg. Of			
	<u>All Farms</u>	Low 20%	<u>40 - 60%</u>	<u> High 20%</u>
Number of farms	51	10	10	11
Yield per acre (bu.)	126.10	111.60	118.68	149.01
Operators share of yield %	100.00	100.00	100.00	100.00
Value per bu. Total product return per acre	3.34 421.25	3.21 357.91	3.36 398.92	3.52 524.16
Hedging gains/losses per acre	0.04	-	-	0.15
Crop insurance per acre	5.57	4.56	18.53	1.87
Other crop income per acre	0.54	3.43		-
Gross return per acre	427.41	365.90	417.45	526.18
Direct Expenses				
Seed	91.77	96.63	90.16	91.35
Fertilizer	108.79 24.87	123.89 24.91	107.86 15.96	116.38 29.34
Crop chemicals Crop insurance	24.67 20.61	24.91 29.02	22.93	29.3 4 22.76
Drying expense	9.01	3.52	10.87	9.67
Fuel & oil	27.35	28.37	29.57	21.59
Repairs	29.79	28.43	28.54	20.73
Custom hire	7.17	11.63	2.21	5.83
Operating interest	6.32	11.53	9.06	5.21
Miscellaneous Total direct expenses per acre	2.34 328.02	1.47 359.39	6.51 323.67	322.87
Return over direct exp per acre	99.39	6.50	93.78	203.31
Overhead Expenses				
Hired labor	11.90	16.22	7.49	14.70
Machinery leases	3.47	6.70	4.68	2.55
Building léases	1.75	0.11	0.27	-
RE & pers. property taxes	6.56	7.66	7.39	6.51
Farm insurance	4.97	4.30	5.24	5.36
Utilities Dues & professional fees	3.89 0.98	3.60 0.72	4.50 0.65	4.17 1.01
Interest	26.83	30.03	27.22	35.55
Mach & bldg depreciation	44.73	49.55	58.46	38.72
Miscellaneous	7.60	7.43	8.10	4.49
Total overhead expenses per acre	112.68	126.35	124.00	113.05
Total dir & ovhd expenses per acre	440.70	485.74	447.67	435.92
Net return per acre	-13.29	-119.84	-30.22	90.26
Government payments	0.60	1.73	0.67	-
Net return with govt pmts	-12.70	-118.11	-29.55	90.26
Labor & management charge	30.68 -43.37	32.37 150.49	31.62 -61.17	26.30 63.96
Net return over lbr & mgt	-4 3.3 <i>1</i>	-150.48	-01.17	03.90
Cost of Production	2.22	2.22	2.72	2 1-
Total direct expense per bu.	2.60	3.22	2.73	2.17
Total dir & ovhd exp per bu. Less govt & other income	3.49 3.44	4.35 4.27	3.77 3.61	2.93 2.91
With labor & management	3.68	4.56	3.88	3.09
· ·				
Net value per unit	3.34	3.21	3.36	3.52
Machinery cost per acre Est. labor hours per acre	112.12 1.66	124.56 1.96	120.90 1.69	89.34 1.46
Lot. Iduor riouro per dore	1.00	1.90	1.09	1.40

Corn on Cash Rent

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	54	10	11	11
Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	128.96 100.00 3.33 429.58 0.17 16.10 0.20 446.05	120.75 100.00 3.40 410.16 10.33	125.43 100.00 3.40 426.40 42.18 468.58	133.51 100.00 3.45 460.03 0.87 - 0.97 461.87
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Drying expense Fuel & oil Repairs Custom hire Land rent Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	88.73 113.95 23.11 19.73 9.93 26.25 29.24 4.47 70.62 0.20 6.39 1.19 393.82 52.23	109.00 127.16 23.35 20.68 10.24 25.21 33.29 4.81 71.02 9.82 2.19 436.77 -16.28	86.76 106.64 19.58 22.41 22.14 25.11 23.67 1.64 74.81 0.56 10.93	77.35 114.81 23.39 11.58 2.86 21.87 29.38 3.73 66.01 5.34 0.73 357.05 104.82
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	18.91 6.16 0.67 4.41 4.04 1.92 4.15 52.74 5.22 98.22 492.04 -45.99	27.72 15.80 0.27 2.73 2.75 1.38 8.41 58.43 4.60 122.07 558.83 -138.35	6.89 4.90 2.52 8.17 4.05 0.98 5.61 75.42 7.88 116.42 510.69 -42.11	21.13 7.82 2.84 6.38 0.08 2.34 29.00 4.90 74.50 431.55 30.32
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	1.71 -44.28 33.78 -78.06	1.44 -136.91 29.72 -166.63	1.58 -40.53 37.17 -77.70	30.32 28.67 1.65
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.05 3.82 3.67 3.94	3.62 4.63 4.53 4.78	3.14 4.07 3.72 4.02	2.67 3.23 3.22 3.43
Net value per unit Machinery cost per acre Est. labor hours per acre	3.33 118.44 1.72	3.40 137.06 1.88	3.40 129.46 1.53	3.45 91.36 1.59

Corn Silage on Owned Land

	Avg. Of All Farms
Number of farms	10
Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Crop insurance per acre Gross return per acre	11.77 100.00 31.28 368.06 40.64 408.70
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	91.10 106.58 19.36 20.39 22.82 26.94 73.57 2.31 0.62 363.69 45.00
Overhead Expenses Hired labor Machinery leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	10.78 0.83 7.36 3.10 2.87 0.72 30.83 21.99 3.30 81.78 445.47 -36.78
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	2.80 -33.98 23.90 -57.88
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	30.91 37.86 34.16 36.19
Net value per unit Machinery cost per acre Est. labor hours per acre	31.28 147.86 2.08

Corn Silage on Cash Rent

	Avg. Of All Farms
Number of farms	9
Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Crop insurance per acre Gross return per acre	13.95 100.00 29.68 414.20 3.42 417.63
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	83.48 99.74 18.02 18.18 26.30 21.73 29.74 56.37 5.13 1.53 360.23 57.40
Overhead Expenses Custom hire 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	1.78 13.24 1.43 0.17 3.51 3.73 2.58 1.68 49.60 4.58 82.30 442.52 -24.90
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	-24.90 31.41 -56.30
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	25.81 31.71 31.47 33.72
Net value per unit Machinery cost per acre Est. labor hours per acre	29.68 126.60 1.97

CRP on Owned Land

	Avg. Of All Farms
Number of farms	12
Yield per acre (\$) Operators share of yield % Value per \$ Total product return per acre Gross return per acre	47.02 100.00 1.00 47.02 47.02
Direct Expenses Crop chemicals Fuel & oil Repairs Total direct expenses per acre Return over direct exp per acre	0.44 0.90 1.04 2.44 44.58
Overhead Expenses RE & pers. property taxes Farm insurance Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	7.62 0.25 11.60 1.94 0.43 21.84 24.28 22.74

Hay, Alfalfa on Owned Land

	Avg. Of All Farms
Number of farms	14
Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Gross return per acre	1.95 100.00 60.90 118.77 118.77
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	0.93 2.25 0.28 4.38 13.24 14.40 1.71 0.60 3.28 1.50 42.57 76.20
Overhead Expenses Custom hire Hired labor Machinery leases RE & pers. property taxes Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	0.23 3.00 0.88 5.57 3.22 4.49 17.71 22.53 3.13 60.77 103.34 15.43
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	15.43 16.34 -0.91
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	21.83 52.98 52.98 61.36
Net value per unit Machinery cost per acre Est. labor hours per acre	60.90 53.65 1.09

Hay, Alfalfa on Cash Rent

	Avg. Of All Farms
Number of farms	10
Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Gross return per acre	2.84 100.00 76.14 216.22 216.22
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	9.88 5.01 2.68 4.77 14.96 17.60 3.46 51.76 2.39 0.57 113.10 103.12
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	9.03 2.64 0.53 3.31 3.03 0.32 3.46 24.20 2.59 49.11 162.21 54.01
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	6.28 60.29 18.18 42.11
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	39.83 57.12 54.91 61.31
Net value per unit Machinery cost per acre Est. labor hours per acre	76.14 62.38 1.45

Hay, Grass on Owned Land

	Avg. Of All Farms
Number of farms	10
Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Gross return per acre	1.83 100.00 47.10 86.40 86.40
Direct Expenses	
Fuel & oil Repairs Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	12.48 14.95 1.50 2.69 31.61 54.79
Overhead Expenses Hired labor Machinery leases RE & pers. property taxes Farm insurance	4.50 0.98 2.91 1.23
Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous	1.06 0.18 9.87 16.79 2.81
Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	40.32 71.93 14.47
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	14.47 14.68 -0.20
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	17.23 39.21 39.21 47.21
Net value per unit Machinery cost per acre Est. labor hours per acre	47.10 45.13 1.14

Hay, Grass on Cash Rent

	Avg. Of All Farms
Number of farms	9
Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Gross return per acre	1.68 100.00 51.62 86.60 86.60
Direct Expenses Seed Fertilizer Fuel & oil Repairs Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	4.02 2.23 14.78 17.92 17.58 1.66 3.42 61.61 24.99
Overhead Expenses Hired labor Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	9.66 1.03 1.05 1.30 0.43 17.60 1.68 32.75 94.36 -7.76
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	-7.76 13.68 -21.44
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	36.72 56.25 56.25 64.40
Net value per unit Machinery cost per acre Est. labor hours per acre	51.62 49.92 1.18

Hay, Mixed Alfalfa/Grass on Owned Land

	Avg. Of All Farms
Number of farms	11
Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Gross return per acre	2.26 100.00 53.26 120.63 120.63
Direct Expenses Fertilizer Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	8.92 1.49 10.42 8.26 7.32 2.21 0.58 39.20 81.43
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	2.10 0.62 4.82 3.51 3.06 0.33 17.78 16.75 4.26 53.24 92.44 28.19
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	28.19 13.63 14.55
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	17.31 40.82 40.82 46.83
Net value per unit Machinery cost per acre Est. labor hours per acre	53.26 44.68 0.76

Hay, Mixed Alfalfa/Grass on Cash Rent

	Avg. Of All Farms
Number of farms	14
Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Gross return per acre	1.81 100.00 54.27 98.27 98.27
Direct Expenses Fertilizer Fuel & oil Repairs Custom hire Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	0.52 11.35 11.35 0.27 26.35 2.35 0.57 52.76 45.51
Overhead Expenses Custom hire Hired labor Machinery leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	0.22 2.08 0.39 3.45 2.58 2.49 12.39 4.15 27.74 80.51 17.77
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	17.77 13.22 4.54
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	29.14 44.46 44.46 51.76
Net value per unit Machinery cost per acre Est. labor hours per acre	54.27 37.15 0.96

Pasture on Owned Land

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	33	6	6	7
Yield per acre (aum)	0.94	1.22	0.76	1.15
Operators share of yield %	100.00	100.00	100.00	100.00
Value per aum	24.18	20.41	25.85	25.71
Total product return per acre	22.64	24.94	19.74	29.65
Other crop income per acre	0.54	-	0.03	2.56
Gross return per acre	23.18	24.94	19.76	32.21
Direct Expenses				
Fuel & oil	0.76	2.27	0.55	0.51
Repairs	0.90	3.42	0.52	0.46
Total direct expenses per acre	1.87	6.00	1.25	1.04
Return over direct exp per acre	21.31	18.94	18.51	31.17
Overhead Expenses				
Hired labor -	0.23	0.59	0.17	0.07
RE & pers. property taxes	2.29	3.72	1.88	2.79
Farm insurance	0.45	3.33	0.14	0.11
Utilities	0.23	1.02	0.07	0.10
Interest	5.38	15.74	5.16	2.17
Mach & bldg depreciation	0.97	2.94	0.88	0.65
Miscellaneous	0.42	0.61	0.27	0.40
Total overhead expenses per acre	9.97	27.96	8.58	6.30
Total dir & ovhd expenses per acre	11.84	33.95	9.83	7.34
Net return per acre	11.34	-9.02	9.94	24.87

Pasture on Cash Rent

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	37	7	8	8
Yield per acre (aum)	0.90	0.93	0.69	1.33
Operators share of yield %	100.00	100.00	100.00	100.00
Value per aum	22.74	15.45	21.33	25.00
Total product return per acre	20.53	14.36	14.69	33.14
Other crop income per acre	0.09	-	0.13	0.28
Gross return per acre	20.62	14.36	14.82	33.41
Direct Expenses				
Fuel & oil	0.72	1.51	0.45	0.57
Repairs	0.84	2.10	0.71	0.47
Land rent	14.39	14.59	10.93	16.74
Total direct expenses per acre	16.28	18.36	12.66	17.79
Return over direct exp per acre	4.34	-4.00	2.16	15.63
Overhead Expenses				
Farm insurance	0.45	2.58	0.11	0.10
Utilities	0.16	0.58	0.05	0.10
Mach & bldg depreciation	1.06	2.51	0.75	0.93
Miscellaneous	0.75	1.32	0.40	0.66
Total overhead expenses per acre	2.42	7.00	1.32	1.78
Total dir & ovhd expenses per acre	18.70	25.36	13.99	19.57
Net return per acre	1.92	-11.00	0.83	13.84

Prevented Planting on Owned Land

	Avg. Of All Farms
Number of farms	19
Yield per acre Operators share of yield % Value Total product return per acre Crop insurance per acre	- - - - 181.83
Gross return per acre	181.83
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Total direct expenses per acre Return over direct exp per acre	3.41 1.67 3.23 15.27 8.04 6.85 0.61 2.04 41.12 140.71
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	4.09 1.02 6.73 4.15 3.22 0.59 25.25 14.75 6.23 66.03 107.15 74.68
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	3.01 77.69 8.93 68.76

Prevented Planting on Cash Rent

	Avg. Of All Farms	Low 20%	<u>40 - 60%</u>	High 20%
Number of farms	28	5	5	6
Yield per acre	-	-	-	-
Operators share of yield % Value	-	-	-	-
Total product return per acre	_	-	_	-
Crop insurance per acre	206.70	62.69	166.25	306.45
Gross return per acre	206.70	62.69	166.25	306.45
Direct Expenses				
Seed	2.61	2.48	-	8.04
Fertilizer	0.82 2.72	1.69	-	0.27
Crop chemicals Crop insurance	2.72 20.20	5.76 9.05	13.53	0.37 20.10
Fuel & oil	6.59	4.39	5.74	8.76
Repairs	10.27	5.27	6.62	10.58
Custom hire	0.44	0.52	-	1.66
Land rent	71.40	65.18	64.20	82.37
Operating interest	1.77	0.40	1.41	1.86
Total direct expenses per acre	116.82	94.74	91.50	133.74
Return over direct exp per acre	89.88	-32.05	74.75	172.71
Overhead Expenses				
Hired labor	5.52	3.05	2.52	6.83
Machinery leases	0.84	0.34	1.40	1.71
Farm insurance Utilities	3.81 3.27	5.04 2.00	3.64 3.11	3.53 2.25
Dues & professional fees	2.01	0.22	0.89	1.47
Interest	2.29	1.70	3.51	2.03
Mach & bldg depreciation	12.25	7.91	11.21	11.52
Miscellaneous	3.58	4.71	5.22	2.42
Total overhead expenses per acre	33.57	24.98	31.49	31.76
Total dir & ovhd expenses per acre	150.39	119.71	122.99	165.50
Net return per acre	56.31	-57.03	43.26	140.95
Government payments	7.69		<u>-</u>	14.78
Net return with govt pmts	63.99	-57.03	43.26	155.73
Labor & management charge	10.87	5.29	6.38	10.87
Net return over lbr & mgt	53.12	-62.31	36.88	144.86

Soybeans on Owned Land

	Avg. Of <u>All Farms</u>	Low 20%	<u>40 - 60%</u>	High 20%
Number of farms	53	10	10	11
Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	33.94 100.00 9.74 330.65 0.91 12.12 0.16 343.84	29.26 100.00 9.15 267.69 8.40 276.09	35.22 100.00 10.27 361.67 4.27 6.84	37.84 100.00 9.66 365.49 0.49 21.92
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	67.27 16.64 23.88 15.73 20.29 20.95 7.47 0.55 4.57 0.63 177.98 165.86	69.60 17.49 32.67 19.29 25.83 38.46 11.98 5.90 0.66 221.89 54.20	71.30 15.88 30.84 15.40 23.75 30.33 9.22 3.09 5.97 1.91 207.69 165.10	66.87 13.31 18.66 11.87 20.37 14.39 5.48 4.75 - 155.70 232.20
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	6.24	3.10	6.96	9.45
	2.64	0.95	7.27	2.16
	7.13	8.84	7.63	7.29
	6.52	7.29	12.01	5.19
	3.56	3.65	5.70	2.33
	0.64	0.88	0.75	0.38
	20.73	26.10	21.73	20.04
	32.67	34.89	31.46	30.37
	8.26	11.68	8.14	9.64
	88.39	97.38	101.65	86.84
	266.37	319.26	309.33	242.55
	77.47	-43.18	63.45	145.36
Government payments	2.55	0.36	5.50	2.00
Net return with govt pmts	80.02	-42.82	68.96	147.36
Labor & management charge	22.80	24.38	27.44	21.74
Net return over lbr & mgt	57.22	-67.20	41.52	125.61
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	5.24	7.58	5.90	4.12
	7.85	10.91	8.78	6.41
	7.38	10.61	8.31	5.77
	8.06	11.45	9.09	6.34
Net value per unit	9.77	9.15	10.39	9.67
Machinery cost per acre	84.68	112.32	103.87	73.71
Est. labor hours per acre	1.21	1.20	1.88	1.10

Soybeans on Cash Rent

	Avg. Of All Farms	Low 20%	<u>40 - 60%</u>	High 20%
Number of farms	75	15	15	15
Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	34.22 100.00 9.56 326.98 0.34 12.86 0.44 340.62	29.20 100.00 9.42 275.22 10.46 285.68	33.86 100.00 9.79 331.61 6.18	40.16 100.00 9.71 389.77 1.46 11.36 1.03 403.62
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	67.52	76.14	59.70	65.66
	16.50	15.80	17.25	13.49
	23.92	28.19	25.60	23.26
	16.60	19.39	13.12	17.83
	17.62	20.46	17.89	16.54
	18.17	27.83	18.38	18.17
	4.56	1.76	5.83	5.61
	73.52	86.68	74.77	69.95
	3.81	7.59	2.53	2.60
	0.61	0.67	0.80	0.16
	242.82	284.48	235.87	233.27
	97.80	1.20	101.91	170.35
Overhead Expenses Hired labor Machinery leases Building leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	9.32 2.60 0.89 4.36 3.15 1.73 3.88 30.16 5.98 62.09 304.91 35.71	2.41 1.60 1.51 7.01 4.14 0.94 5.22 32.09 10.58 65.50 349.99 -64.31	10.05 1.51 0.94 4.38 2.74 1.32 4.03 30.33 5.90 61.22 297.09 40.70	10.57 2.42 4.41 3.93 1.54 2.55 24.74 4.06 54.23 287.50 116.13
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	1.61	0.70	0.76	3.55
	37.33	-63.61	41.46	119.68
	21.57	20.30	20.40	25.96
	15.76	-83.92	21.06	93.72
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	7.10	9.74	6.97	5.81
	8.91	11.98	8.77	7.16
	8.46	11.60	8.57	6.73
	9.10	12.30	9.17	7.37
Net value per unit	9.57	9.42	9.79	9.74
Machinery cost per acre	74.92	86.02	75.65	68.75
Est. labor hours per acre	1.10	1.05	1.02	1.23

Soybeans on Share Rent

	Avg. Of All Farms
Number of farms	14
Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Crop insurance per acre Gross return per acre	30.46 70.00 9.56 203.88 1.02 204.89
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	77.05 15.29 22.14 11.68 15.29 18.12 3.27 4.52 0.18 167.56 37.34
Overhead Expenses Hired labor Machinery leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	4.91 0.72 3.92 3.24 0.38 4.26 23.17 6.35 46.95 214.51 -9.62
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	0.71 -8.91 21.17 -30.08
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	7.86 10.06 9.98 10.97
Net value per unit Machinery cost per acre Est. labor hours per acre	9.56 63.16 0.96

Sunflowers on Owned Land

	Avg. Of All Farms
Number of farms	9
Yield per acre (cwt.) Operators share of yield % Value per cwt. Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	9.30 100.00 18.35 170.68 96.93 0.44 268.05
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	36.84 61.27 54.15 9.65 22.09 12.27 4.73 1.92 0.63 203.56 64.50
Overhead Expenses Hired labor Machinery leases RE & pers. property taxes Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	3.44 3.76 4.19 5.24 3.75 11.53 48.02 9.95 89.87 293.43 -25.38
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	-25.38 21.48 -46.85
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	21.88 31.54 21.08 23.38
Net value per unit Machinery cost per acre Est. labor hours per acre	18.35 86.26 0.93

Sunflowers on Cash Rent

	Avg. Of All Farms
Number of farms	13
Yield per acre (cwt.) Operators share of yield % Value per cwt. Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	11.04 100.00 19.60 216.29 52.18 0.29 268.76
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	39.57 59.15 51.86 14.98 19.77 18.44 8.38 58.91 3.09 0.30 274.45 -5.68
Overhead Expenses Custom hire Hired labor Machinery leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	0.67 3.60 4.21 5.75 3.59 1.87 36.67 11.03 67.38 341.83 -73.07
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	-73.07 21.05 -94.12
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	24.87 30.97 26.22 28.13
Net value per unit Machinery cost per acre Est. labor hours per acre	19.60 85.28 1.03

Wheat, Spring on Owned Land

	Avg. Of _All Farms	Low 20%	<u>40 - 60%</u>	High 20%
Number of farms	34	6	7	<u>- 711g11 2078</u> 7
Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	58.24 100.00 5.49 319.96 0.87 0.90 0.53 322.25	46.92 100.00 4.40 206.60	58.79 100.00 5.75 338.27 3.30 2.82 0.35 344.76	68.51 100.00 5.49 376.08 0.27 1.27 2.96 380.58
Seed Fertilizer Crop chemicals Crop insurance Drying expense Fuel & oil Repairs Custom hire Hired labor Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	20.17 72.48 31.28 13.50 0.91 18.85 16.38 12.35 0.42 2.31 0.40 189.05 133.20	21.34 65.05 33.50 15.00 1.78 13.33 12.05 41.52 - 1.27 0.86 205.69 0.91	17.11 69.58 33.76 13.71 2.27 21.92 20.80 3.92 1.67 1.65 0.47 186.87 157.88	17.09 62.18 32.63 13.69 0.22 20.06 18.19 1.67 1.56
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	7.06 1.10 0.50 5.70 4.40 3.41 0.66 12.33 31.20 7.49 73.85 262.90 59.35	0.50 0.33 0.03 7.13 3.82 3.84 0.35 2.80 27.37 3.36 49.53 255.22 -48.62	5.87 1.22 1.97 4.87 5.70 3.75 1.09 13.37 39.15 11.60 88.59 275.46 69.30	6.91 2.48 5.60 3.38 3.26 0.56 14.33 25.19 4.42 66.13 233.42 147.16
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	0.23 59.58 22.04 37.54	-48.62 23.19 -71.81	69.30 18.43 50.86	147.16 21.06 126.11
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.25 4.51 4.47 4.85	4.38 5.44 5.44 5.93	3.18 4.69 4.58 4.89	2.44 3.41 3.34 3.65
Net value per unit Machinery cost per acre Est. labor hours per acre	5.51 79.42 1.14	4.40 95.62 1.24	5.81 84.97 1.00	5.49 67.35 0.96

Wheat, Spring on Cash Rent

	Avg. Of <u>All Farms</u>	Low 20%	<u>40 - 60%</u>	<u> High 20%</u>
Number of farms	42	8	9	9
Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	60.02 100.00 5.71 342.69 0.63 7.06 0.53 350.91	57.43 100.00 5.02 288.22 - - - 288.22	57.17 100.00 5.56 317.57 - 1.78 0.58 319.93	63.71 100.00 6.14 390.96 12.32 403.28
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Drying expense Fuel & oil Repairs Custom hire Land rent Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	20.59 74.33 35.09 12.92 0.63 17.36 17.67 5.61 60.77 0.06 3.23 1.21 249.48 101.43	30.83 81.75 41.18 15.54 0.04 18.69 21.15 10.71 73.40 0.52 5.29 0.97 300.08 -11.86	16.75 70.32 36.52 10.31 1.20 16.80 11.83 7.78 57.75 - 1.97	22.82 70.11 31.85 12.38 0.07 16.70 17.80 2.62 61.40 3.77 2.59 242.10 161.18
Overhead Expenses Hired labor Machinery leases Building leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	9.18 3.63 0.63 3.97 4.58 0.75 2.71 26.74 6.53 58.73 308.21 42.70	16.32 7.45 0.09 5.26 2.37 0.43 8.02 34.04 5.18 79.16 379.24 -91.02	7.02 2.66 1.98 3.31 4.28 1.15 1.75 24.31 9.45 55.90 287.12 32.80	9.68 1.97 4.29 6.08 0.77 1.86 26.54 4.09 55.29 297.39 105.90
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	0.66 43.36 20.43 22.94	-91.02 19.40 -110.41	1.05 33.86 18.84 15.02	105.90 21.85 84.04
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	4.16 5.14 4.99 5.33	5.23 6.60 6.60 6.94	4.04 5.02 4.96 5.29	3.80 4.67 4.47 4.82
Net value per unit Machinery cost per acre Est. labor hours per acre	5.72 71.48 0.96	5.02 99.58 1.25	5.56 63.07 0.85	6.14 64.28 0.78

Wheat, Spring on Share Rent

	Avg. Of All Farms
Number of farms	11
Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Crop insurance per acre Gross return per acre	56.12 69.45 5.38 209.56 2.97 212.52
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	19.44 58.88 26.22 14.39 15.17 17.00 10.81 3.61 0.82 166.34 46.18
Overhead Expenses Hired labor Machinery leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	3.45 0.42 3.56 2.90 0.47 3.16 19.00 6.65 39.61 205.95 6.57
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	0.37 6.94 19.43 -12.49
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	4.27 5.28 5.20 5.70
Net value per unit Machinery cost per acre Est. labor hours per acre	5.38 64.83 1.01

Wheat, Winter on Owned Land

	Avg. Of All Farms
Number of farms	6
Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Crop insurance per acre Gross return per acre	47.90 100.00 4.12 197.37 11.77 209.14
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	16.33 66.26 36.47 6.83 16.31 19.59 16.59 3.27 1.02 182.75 26.38
Overhead Expenses Hired labor Machinery leases RE & pers. property taxes Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	9.07 1.30 4.13 4.17 5.54 14.58 24.10 6.60 69.50 252.25 -43.11
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	-43.11 18.03 -61.14
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.82 5.27 5.02 5.40
Net value per unit Machinery cost per acre Est. labor hours per acre	4.12 75.30 1.35

Wheat, Winter on Cash Rent

	Avg. Of <u>All Farms</u>
Number of farms	8
Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	47.62 100.00 4.42 210.57 2.83 0.07 213.48
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	17.90 69.30 36.02 9.64 16.92 13.41 8.89 43.22 3.66 0.81 219.75 -6.27
Overhead Expenses Custom hire Hired labor Machinery leases Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	1.43 6.67 0.66 3.58 4.05 2.79 24.42 6.43 50.03 269.77 -56.30
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	-56.30 17.91 -74.21
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	4.61 5.67 5.60 5.98
Net value per unit Machinery cost per acre Est. labor hours per acre	4.42 64.97 1.09

EXPLANATORY NOTES FOR LIVESTOCK TABLES

The "Livestock Enterprise Analysis" table shows the average physical production, gross returns, direct costs, overhead costs, and net return per unit. All costs are actual costs; no opportunity costs are included. The "Net Return" to the enterprise is the "Gross Margin" minus the direct and overhead costs. "Net Return" represents the return to the operators and family's unpaid labor, management, and equity. It represents the return to all of the resources, which are owned by the farm family and hence, not purchased or paid a wage. The last section of each livestock table contains both economic and technical efficiency measures, which are particularly useful to individual managers in assessing their performance as compared to their peers.

When there are less than five farms with a particular livestock enterprise, that enterprise is not included in the report. When there is a sufficient number (i.e., more than 24), farms are divided into low 20%, middle 20% and high 20% on the basis of returns to overhead costs. The classification is done separately for each livestock enterprise.

The "Dairy" enterprise contains the information for only the milking herd (which includes dry cows). "Dairy Replacement Heifers" are those heifers kept for replacement into the milking herd. "Dairy Heifers (for sale)" are heifers intended for feeding and sale. "Dairy Steers" includes only steers for feeding. The "Dairy and Replacement Heifers" table includes both "Dairy" and "Dairy Replacement Heifers."

"Lbs. feed per lb. of gain" is the lbs. of total feed divided by total gain. The total feed is calculated by adding total pounds of feed. For grains, these pounds per unit are used: corn, 56; oats, 32; barley, 48; grain sorghum, 56; wheat, 60; and millet, 48. For these roughages, the pounds are calculated by these factors: alfalfa haylage, 0.5; corn silage, 0.33; oatlage, 0.5; and sorghum silage, 0.33; and small grain silage, 0.33.

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

Rounding of individual items for the report has caused minor discrepancies with the calculated totals.

Beef Cow-Calf -- Average Per Cwt. Produced

_	Avg. O All Farn		Low 2	0%	40 - 60	0%	High 2	20%
Number of farms		25		5		5		5
Beef Calves sold (lb) Transferred out (lb) Cull sales Other income Purchased Transferred in Inventory change Gross margin	Quantity 38.64 61.36	Value 98.02 155.90 41.20 0.46 -38.47 -28.63 17.96 246.79	Quantity 44.74 55.26	Value 117.14 130.40 12.77 1.83 -64.23 -36.04 72.70 234.57	Quantity 13.51 86.49	Value 36.18 223.75 35.32 -31.12 -25.23 12.43 251.32	Quantity 35.79 64.21	Value 92.23 168.52 35.8023.74 -4.63 -6.87 261.31
Direct Expenses Protein Vit Minerals (lb.) Creep / Starter (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Livestock leases Bedding Operating interest Total direct expenses Return over direct expense	13.36 21.33 0.27 299.35 107.73 1,384.93 1.29 70.45	3.58 2.57 1.17 4.60 3.37 33.98 25.23 2.31 4.19 3.43 5.29 5.02 2.29 5.73 0.81 1.74 105.31 141.47	25.53 24.03 0.06 97.77 1,825.65 1.23 15.17	6.02 1.80 0.15 2.44 47.34 26.01 0.71 3.84 1.08 5.65 4.88 0.75 31.05	18.84 0.21 204.81 - 1,380.43 1.25	5.74 0.83 3.28 41.79 27.96 6.03 2.94 6.04 6.61 2.95 5.53 3.79 113.49 137.84	10.74 37.71 0.61 445.91 187.83 1,015.40 1.21 75.43	3.24 4.87 2.93 7.61 6.89 23.48 22.35 3.05 5.56 3.96 2.06 1.34 1.89 1.59 94.19
Overhead Expenses Hired labor Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		2.32 2.51 1.85 2.84 6.74 3.86 20.13 125.45 121.34		0.59 3.79 3.00 3.79 5.04 5.45 21.67 154.73 79.84		0.72 3.05 2.10 4.59 6.84 3.77 21.08 134.57 116.75		3.44 1.80 1.78 1.13 7.84 4.47 20.46 114.65 146.65
Labor & management charge Net return over lbr & mgt		12.92 108.43		14.92 64.93		10.81 105.95		10.38 136.27
Cost of Production Per Cwt. Production Per Cwt. Production Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management	ced	105.31 125.45 133.04 145.95		133.06 154.73 169.53 184.45		113.49 134.57 143.17 153.98		94.19 114.65 114.19 124.56
Est. labor hours per unit		0.91		1.03		0.96		0.55
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 Average weaning weight Lb. weaned/exposed female Feed cost per cow Avg wgt/ Beef Calves sold Avg price / cwt.		166.8 97.8 0.7 16.1 97.2 90.3 0.92 6.9 2.3 565 510 398.09 594 253.71		134.6 96.5 		99.0 93.1 1.0 13.5 92.2 86.6 0.96 6.0 0.8 536 464 392.54 541 267.82		220.3 99.7 1.9 15.8 97.7 91.6 0.95 6.2 2.2 613 562 435.11 628 257.68

Beef Cow-Calf -- Average Per Cow

_	Avg. Of All Farms		 		40 - 60% 5		<u>High 20%</u> 5	
Number of farms								
Beef Calves sold (lb) Transferred out (lb) Cull sales Other income Purchased Transferred in Inventory change Gross margin	Quantity 200.2 318.0	Value 507.98 807.91 213.51 2.40 -199.38 -148.39 93.10 1,278.94	Quantity 221.3 273.3	Value 579.31 644.87 63.15 9.06 -317.62 -178.25 359.53 1,160.04	Quantity 66.6 426.6	Value 178.42 1,103.49 174.21 -153.50 -124.44 61.31 1,239.49	Quantity 209.3 375.5	Value 539.36 985.52 209.35 -138.85 -27.05 -40.20 1,528.13
Direct Expenses Protein Vit Minerals (lb.) Creep / Starter (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Livestock leases Bedding Operating interest Total direct expenses Return over direct expense	69.2 110.5 1.4 1,551.3 558.3 7,177.2 6.7 365.1	18.54 13.34 6.07 23.82 17.46 176.10 130.77 11.98 21.70 17.80 27.40 26.00 11.85 29.70 4.21 9.03 545.77 733.17	126.3 118.8 0.3 483.5 9,028.5 6.1 75.0	29.77 8.91 0.74 12.09 234.14 128.64 3.49 18.99 5.37 27.96 24.14 3.72 153.54 6.54 658.04 502.00	92.9 - 1.1 1,010.1 - 6,808.1 6.1	28.31 4.07 16.16 - 206.11 137.89 - 29.76 14.50 29.81 32.62 14.55 27.27 - 18.67 559.71 679.78	62.8 220.5 3.6 2.607.7 1,098.5 5,938.1 7.1 441.1	18.96 28.46 17.11 44.48 40.29 137.28 130.67 17.85 19.81 32.52 23.16 12.06 7.83 11.04 9.31 550.85 977.28
Overhead Expenses Hired labor Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		12.03 13.01 9.60 14.73 34.95 20.00 104.33 650.10 628.84		2.93 18.77 14.83 18.74 24.94 26.95 107.15 765.19 394.85		3.54 15.07 10.37 22.64 33.74 18.61 103.97 663.67 575.81		20.10 10.50 10.43 6.62 45.86 26.14 119.65 670.50 857.63
Labor & management charge Net return over lbr & mgt		66.93 561.91		73.77 321.08		53.31 522.51		60.69 796.94
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	ced	105.31 125.45 133.04 145.95		133.06 154.73 169.53 184.45		113.49 134.57 143.17 153.98		94.19 114.65 114.19 124.56
Est. labor hours per unit		4.71		5.07		4.73		3.20
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 Average weaning weight Lb. weaned/exposed female Feed cost per cow Avg wgt/ Beef Calves sold Avg price / cwt.		166.8 97.8 0.7 16.1 97.2 90.3 0.92 6.9 2.3 565 510 398.09 594 253.71		134.6 96.5 6.8 96.5 88.0 0.89 8.6 1.8 559 492 417.78 551 261.81		99.0 93.1 1.0 13.5 92.2 86.6 0.96 6.0 0.8 536 464 392.54 541 267.82		220.3 99.7 1.9 15.8 97.7 91.6 0.95 6.2 2.2 613 562 435.11 628 257.68

Beef Cow-Calf Whole Herd w/Backgrounding -- Average Per Cwt. Produced

	Avg. All Fai	
Number of farms		14
Beef Calves sold (lb) Transferred out (lb) Cull sales Other income Purchased Transferred in Inventory change Gross margin	Quantity 54.06 44.05	Value 111.83 99.46 24.17 0.52 -6.52 -32.47 39.52 236.52
Creep / Starter (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Grass (lb.) Pasture (aum) Stover (lb.) DDGS, dry (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Marketing Operating interest Total direct expenses Return over direct expense	13.43 174.58 1.18 731.82 1,101.27 1.07 165.31 13.43 169.13	1.21 6.56 3.93 11.32 31.17 23.46 3.30 3.13 8.73 3.45 1.83 6.13 6.60 3.14 1.36 1.24 116.54 119.98
Overhead Expenses Hired labor Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		1.79 2.40 2.89 1.70 9.37 3.47 21.63 138.18 98.34
Labor & management charge Net return over lbr & mgt		14.09 84.25
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		116.54 138.18 138.68 152.78
Est. labor hours per unit		1.13
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 Average weaning weight Lb. weaned/exposed female Feed cost per cow Avg wgt/ Beef Calves sold Avg price / cwt.		97.5 97.5 10.8 9.6 87.0 82.0 0.85 6.4 1.8 550 451 506.23 639 206.87

Beef Cow-Calf Whole Herd w/Backgrounding -- Average Per Cow

	Avg. All Fa	
Number of farms		14
Beef Calves sold (lb) Transferred out (lb) Cull sales Other income Purchased Transferred in Inventory change Gross margin	Quantity 294.9 240.3	Value 610.05 542.60 131.88 2.86 -35.57 -177.14 215.57 1,290.24
Direct Expenses Creep / Starter (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Grass (lb.) Pasture (aum) Stover (lb.) DDGS, dry (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Marketing Operating interest Total direct expenses Return over direct expense	73.3 952.4 6.4 3,992.2 6,007.6 5.8 901.8 73.3 922.6	6.59 35.81 21.43 61.73 170.03 127.96 18.02 17.06 47.60 18.82 9.99 33.43 35.98 17.13 7.43 6.75 635.75 654.49
Overhead Expenses Hired labor Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		9.75 13.11 15.78 9.28 51.14 18.95 118.01 753.77 536.47
Labor & management charge Net return over lbr & mgt		76.88 459.59
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		116.54 138.18 138.68 152.78
Est. labor hours per unit		6.18
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 Average weaning weight Lb. weaned/exposed female Feed cost per cow Avg wgt/ Beef Calves sold Avg price / cwt.		97.5 97.5 10.8 9.6 87.0 82.0 0.85 6.4 1.8 550 451 506.23 639 206.87

Beef Replacement Heifers -- Average Per Head Sold/Trans

		Avg. Of All Farms	
Number of farms		19	
Beef Replace sold (hd) Transferred out (hd) Cull sales (hd) Other income	Quantity 0.3 0.7 0.0	Value 688.98 1,598.23 4.30	
Otherincome Purchased (hd) Transferred in (hd) Inventory change (hd) Gross margin	0.3 0.5 -0.2	-321.52 -496.86 -252.18 1,220.97	
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Grass (lb.) Oats (bu.) Pasture (aum) DDGS, dry (lb.) Other feed stuffs (lb) Breeding fees Veterinary Supplies Fuel & oil Repairs Custom hire Total direct expenses Return over direct expense	119.9 466.3 3.7 1,485.6 2,356.5 0.4 4.4 335.2 398.7	14.19 19.03 16.36 22.50 63.20 0.88 84.07 18.01 15.02 7.57 16.60 10.58 10.82 5.73 8.62 313.18 907.79	
Overhead Expenses Hired labor Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		15.21 7.17 2.17 21.59 13.04 59.18 372.36 848.60	
Labor & management charge Net return over lbr & mgt		28.20 820.40	
Est. labor hours per unit		1.62	
Other Information No. purchased or trans in Number sold or trans out Average number of head Percentage death loss Feed cost per average head Feed cost/head sold/trans		46 58 53 0.9 276.17 253.26	

Beef Backgrounding -- Average Per Cwt. Produced

	Avg. Of All Farms		
Number of farms		5	
Backgnd Beef sold (lb) Transferred out (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 237.86 230.80 -64.08 -306.98 2.40	Value 496.15 494.89 4.89 -167.11 -779.38 5.53 54.95	
Direct Expenses Midds (lb.) Protein Vit Minerals (lb.) Creep / Starter (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Grass (lb.) Screenings, Heavy (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Marketing Bedding Operating interest Total direct expenses Return over direct expense	32.04 6.27 30.28 82.39 5.40 706.38 482.96 53.61 21.00	1.59 1.80 3.58 6.18 15.37 10.85 13.71 1.81 0.67 3.90 0.29 2.86 1.96 2.00 8.82 1.06 1.62 78.06 -23.11	
Overhead Expenses Hired labor Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		1.64 1.06 1.43 1.61 4.72 2.19 12.66 90.71 -35.76	
Labor & management charge Net return over lbr & mgt		7.22 -42.98	
Cost of Production Per Cwt. Produced Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management		217.43 220.14 219.09 220.63	
Est. labor hours per unit		0.37	
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 Avg wgt / Backgnd Beef sold Avg sales price / cwt.		220 217 0.5 2.07 5.19 12.47 55.56 93.81 799 208.59	

Beef Backgrounding -- Average Per Head

	Avg. Of All Farms	
Number of farms		5
Backgnd Beef sold (lb) Transferred out (lb) Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 401.7 389.7 -108.2 -518.4 4.1	Value 837.80 835.67 8.25 -282.19 -1,316.08 9.33 92.80
Direct Expenses Midds (lb.) Protein Vit Minerals (lb.) Creep / Starter (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Grass (lb.) Screenings, Heavy (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Marketing Bedding Operating interest Total direct expenses Return over direct expense	54.1 10.6 51.1 139.1 9.1 1,192.8 815.5 90.5 35.5	2.68 3.04 6.04 10.43 25.95 18.33 23.14 3.06 1.13 6.59 0.48 4.82 3.31 3.38 14.89 1.79 2.73 131.81
Overhead Expenses Hired labor Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		2.78 1.80 2.42 2.72 7.97 3.69 21.37 153.18 -60.39
Labor & management charge Net return over lbr & mgt		12.19 -72.57
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		217.43 220.14 219.09 220.63
Est. labor hours per unit		0.62
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 Avg wgt / Backgnd Beef sold Avg sales price / cwt.		220 217 0.5 2.07 5.19 12.47 55.56 93.81 799 208.59

Figure 1. Gross Cash Income Per Farm

N.D. Farm Business Management Education Program – South Central Region

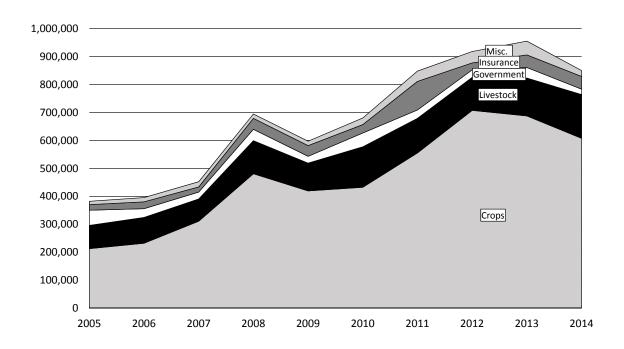


Figure 2. Net Farm Income (Accrual) Per Farm

N.D. Farm Business Management Education Program - South Central Region

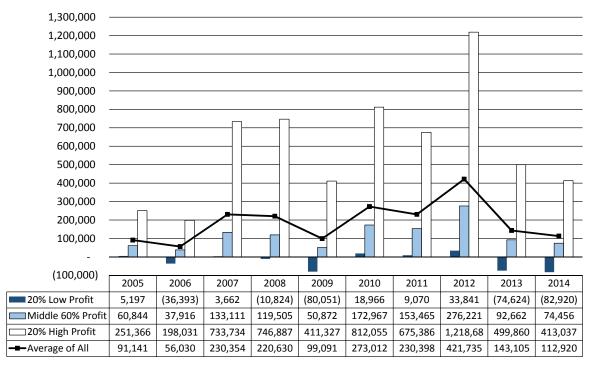


Figure 3. Financial Efficiency Measures (As Percent of Gross Revenue)

N.D. Farm Business Management Education Program – South Central Region

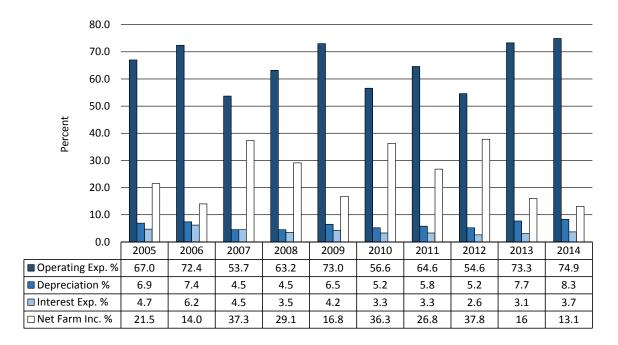


Figure 4. Profitability Measures Per Farm

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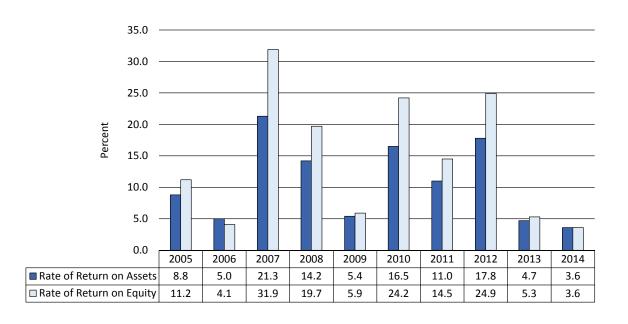


Figure 5. Assets and Liabilities Per Farm, 2014

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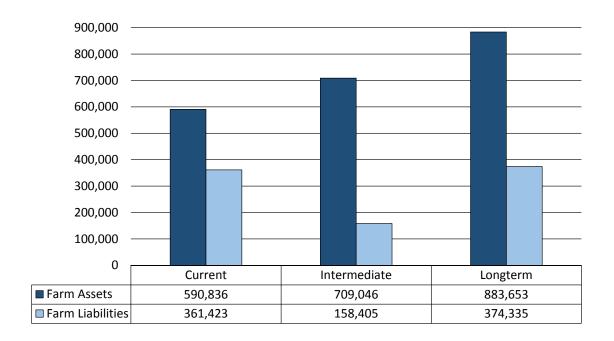


Figure 6. Total Farm Assets and Liabilities

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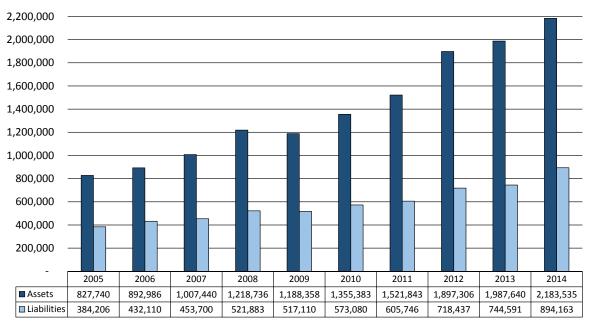


Figure 7. Household and Personal Expenses

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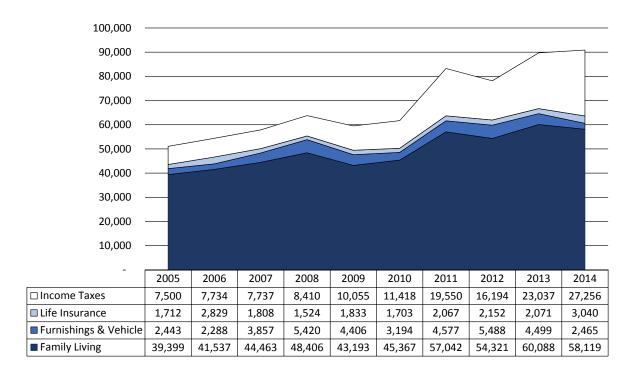


Figure 8. Crop Acreage Per Farm

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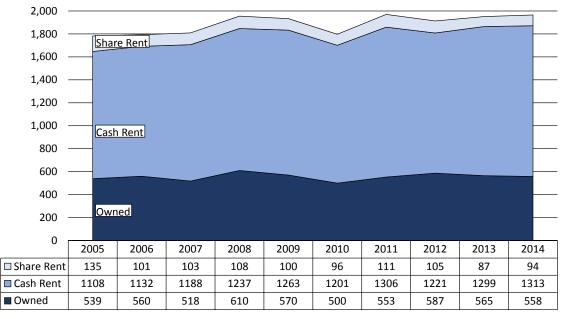


Figure 9. Spring Wheat Costs Per Acre

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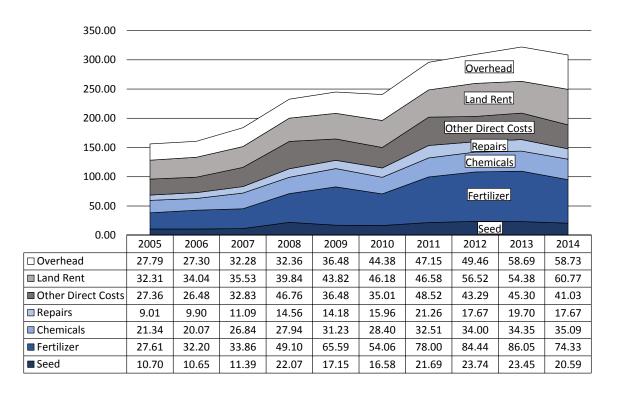
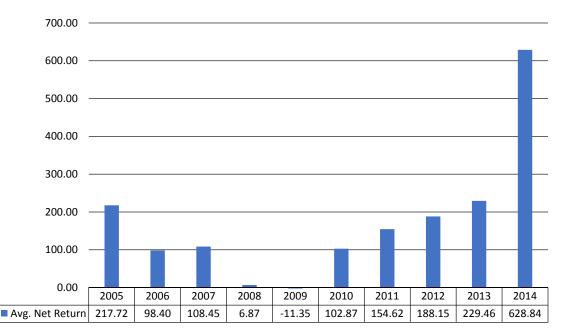


Figure 10. Average Net Return Per Beef Cow

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