2015 ANNUAL REPORT State Averages

North Dakota Farm and Ranch Business

Management Education





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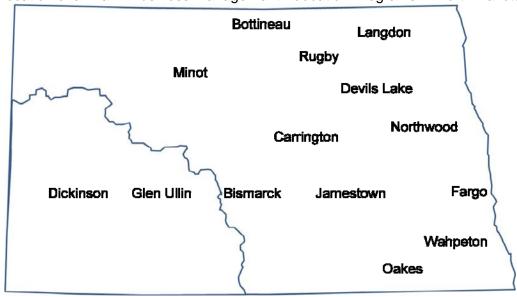
NORTH DAKOTA FARM BUSINESS MANAGEMENT EDUCATION

2015 ANNUAL REPORT

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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 2015 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



2015 State 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 2015 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 27th 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 are 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 State Report, 2015 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	525	105	105	105
Cash Farm Income				
Barley	29,811	32,996	8,890	62,817
Beans, Black Turtle Beans, Garbonzo	3,361 105	2,402	320	12,708 511
Beans, Navy	726	405	228	1,242
Beans, Pinto	14,097	33,587	7,260	11,912
Canola Corn	18,315 106,362	15,059 149,091	9,896 74,044	32,914 176,115
Flax	3,785	3,252	1,357	3,149
Hay, Alfalfa	997	196	328	3,605
Hay, Grass Hay, Mixed	180 119	549 24	99 2	142 24
Hay, Mixed Alfalfa/Grass	866	1,362	336	968
Hay, Small Grain	86	· -	-	428
Lentils	761 392	2,435	456 564	914
Oats Peas, Field	4,169	108 4,083	564 2,631	671 10,333
Potatoes	2,970	-	_,00.	14,852
Radishes	187	934	-	4 707
Rye Soybeans	575 143,548	582 210,279	306 107,770	1,767 211,245
Straw	1,555	72	263	229
Sugar Beets	20,525	9,334	12,241	60,700
Sunflowers Sunflowers, Confectionary	13,913 3,429	22,576 1,150	8,146 1,560	23,377 9,493
Wheat, Durum	4,593	4,701	5.006	10,776
Wheat, Spring	97,368	145,336	64,080	129,899
Wheat, Winter	3,045 252	3,966	3,167	2,949
Custom Work Rented Out	828	492	-	1,064 2.998
Soybeans, Organic	380	-	-	1,512
Soybeans, Food	2,004	1,555	257	1,645
Corn, Organic Miscellaneous crop income	214 773	- 51	- 56	3,001
Beef Bulls	1.999	-	729	4,382
Beef Cow-Calf, Beef Calves	29,360	20,544	27,190	36,343
Beef Replacement Heifers Beef Backgrounding	4,582 26,456	4,325 31,791	1,471 12,135	11,206 37,621
Beef Finishing	9,700	25,986	-	21,501
Beef Finish Yearlings	1,621	· -	16	6,306
Beef Stockers Dairy, Milk	947 14,658	4,173 31,348	-	34,972
Dairy, Dairy Calves	1,161	1,041	- -	2,217
Hogs, Farrow To Finish, Raised Hog	1,008	-	-	5,042
Honey Production, Honey	76 126	-	-	381
Sheep, Lamb Finishing Sheep, Market Lamb Prod, Mkt Lambs	37	168	604	-
Beef Finish Cull Cows	1,357	3,402	109	304
Bison Finishing	146	-	728	450
Dairy Backgrounding Cull breeding livestock	30 9,399	9,335	8,145	150 13,865
Misc. livestock income	1,870	865	381	5,032
Crop government payments	17,114	22,029	11,387	28,334
CRP payments Other government payments	995 9,192	1,027 11,455	1,124 4,491	1,605 15,447
Custom work income	14,673	30,096	4,095	21,378
Patronage dividends, cash	10,001	13,521	6,164	16,570
Crop insurance income Property insurance income	31,096 3,184	40,175 1,957	12,620 1,577	59,147 8,162
Sale of resale items	5, 164 582	1,458	1,577 524	928
Livestock insurance inc	127	378	56	-
Other farm income Gross Cash Farm Income	15,495 687,287	14,181 915,832	11,647 414,456	32,995 1,157,847
CIUSS CASILI AIIII IIICUIIIE	687,287	910,002	414,400	1,107,047

Farm Income Statement (continued) North Dakota Farm Business Management Education Program State Report, 2015 (Farms Sorted By Net Farm Income)

	Avg. Of AII Farms	Low 20%	40 - 60%	High 20%
Number of farms	525	105	105	105
Cash Farm Expense				
Seed	76,857	105,042	49,804	121,015
Fertilizer	84,185	117,761	58,534	129,367
Crop chemicals	54,275	81,825	34,354	84,821
Crop insurance	26,574	40,580	16,232	39,283
Drying expense	1,066	1,741	513	1,999
Storage	576	470	403	1,508
Irrigation energy	210	215	243	447
Crop marketing	565	440	313	1,405
Crop miscellaneous	1,941	2,867	509	3,550
Consultants	970	1,325	112	2,381
Feeder livestock purchase	16,347	39,566	267	29,431
Purchased feed ·	16,054	27,046	6,182	27,672
Breeding fees	310	539	160	467
Veterinary	3,087	3,854	1,777	4,357
Supplies	2,021	4,168	631	2,938
Livestock custom hire	144	421	<u>-</u>	288
Livestock leases	202	35	42	133
Grazing fees	83	151	· -	52
Hauling and trucking	250	1,248	_	-
Livestock marketing	1,279	980	740	3,371
Interest	29,664	51,803	16,205	40.637
CCC buyback	3,122	3,750	257	7,557
Fuel & oil	28,812	41,936	16,863	41,937
Repairs	45,691	66,740	28,532	67,849
Custom hire	14,600	20,141	10,154	20.872
Hired labor	23,318	46,477	8,938	41,440
Land rent	87,696	115,212	59,808	146,967
	241	115,212	38,606	300
Stock/quota lease	7,225	11 505		
Machinery leases		11,585	5,053	9,186
Building leases	618	467	218	1,538
Real estate taxes	4,866	6,198	2,756	7,988
Farm insurance	10,597	15,619	5,873	15,983
Utilities	7,939	11,472	5,363	11,467
Dues & professional fees	3,384	4,778	1,664	5,328
Purchase of resale items	1,918	382	2,033	764
Miscellaneous	8,653	10,558	5,451	12,584
Total cash expense	565,341	837,392	340,024	886,881
Net cash farm income	121,946	78,440	74,432	270,966
Inventory Changes	7.000	00.000	0.405	200
Prepaids and supplies	-7,888	-30,226	2,135	-886
Accounts receivable	-9,631	-6,609	-7,336	-26,479
Hedging accounts	2,022	-676	600	6,347
Other current assets	-306	-2,615	-53	2,114
Crops and feed	4,736	-53,845	-171	75,331
Market livestock	-7,088	-9,045	-4,156	-115
Breeding livestock	-4,590	-3,262	-5,818	-7,471
Other assets	789	920	1,320	250
Accounts payable	-2,562	-4,871	-2,470	203
Accrued interest	-1,901	-4,133	-630	-2,632
Total inventory change	-26,419	-114,362	-16,579	46,662
Net operating profit	95,526	-35,923	57,853	317,628
Depreciation				
Machinery and equipment	-57,746	-89,104	-34,068	-88,246
Titled vehicles	-4,744	-6,324	-3,204	-6,631
Buildings and improvements	-4,989	-8,976	-2,032	-9,371
Total depreciation	-67,479	-104,404	-39,304	-104,249
•	- , -	- ,	,	,
Net farm income from operations	28,048	-140,326	18,549	213,380
Gain or loss on capital sales	552	-723	825	834
Not forms in some	22.222	444.040	40.074	044.044
Net farm income	28,600	-141,049	19,374	214,214

Inventory Changes North Dakota Farm Business Management Education Program State Report, 2015 (Farms Sorted By Net Farm Income)

	Avg. Of			
	All Farms	Low 20%	<u>40 - 60%</u>	High 20%
Number of farms	525	105	105	105
Net cash farm income	121,946	78,440	74,432	270,966
Crops and Feed Ending inventory Beginning inventory Inventory change	380,730	486,627	218,661	731,838
	375,994	540,472	218,832	656,507
	4,736	-53,845	-171	75,331
Market Livestock Ending inventory Beginning inventory Inventory change	57,101	71,045	30,833	90,322
	64,189	80,090	34,989	90,437
	-7,088	-9,045	-4,156	-115
Accts Receivable Ending inventory Beginning inventory Inventory change	36,480	42,694	24,544	59,594
	46,112	49,303	31,880	86,073
	-9,631	-6,609	-7,336	-26,479
Prepaid Expenses and Supplies Ending inventory Beginning inventory Inventory change	53,419	52,818	38,809	117,788
	61,307	83,044	36,675	118,675
	-7,888	-30,226	2,135	-886
Hedging Activities Ending inventory Withdrawals Beginning inventory Deposits Gain or loss	4,372	3,348	1,393	12,641
	4,097	1,827	1,609	10,287
	4,727	3,824	1,382	12,226
	1,720	2,027	1,020	4,354
	2,022	-676	600	6,347
Other Current Assets Ending inventory Beginning inventory Inventory change	2,337	1,874	1,783	6,270
	2,644	4,490	1,836	4,156
	-306	-2,615	-53	2,114
Breeding Livestock Ending inventory Capital sales Beginning inventory Capital purchases Depreciation, capital adjust	84,278	77,658	73,640	110,583
	4,108	5,567	1,225	4,851
	74,977	75,839	58,152	96,944
	17,999	10,647	22,531	25,961
	-4,590	-3,262	-5,818	-7,471
Other Capital Assets Ending inventory Capital sales Beginning inventory Capital purchases Depreciation, capital adjust	86,861	91,592	58,554	190,280
	6,089	6,853	729	22,361
	84,367	92,324	53,006	189,390
	7,794	5,201	4,957	23,000
	789	920	1,320	250
Accounts Payable Beginning inventory Ending inventory Inventory change	19,000	31,370	8,677	29,334
	21,562	36,241	11,147	29,131
	-2,562	-4,871	-2,470	203
Accrued Interest Beginning inventory Ending inventory Inventory change	13,401	24,113	7,075	17,390
	15,302	28,242	7,705	20,027
	-1,901	-4,133	-630	-2,632
Total inventory change	-26,419	-114,362	-16,579	46,662
Net operating profit	95,526	-35,923	57,853	317,628

Depreciation North Dakota Farm Business Management Education Program State Report, 2015 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	525	105	105	105
Net operating profit	95,526	-35,923	57,853	317,628
Machinery and Equipment				
Ending inventory	625,168	932,484	385,731	945,465
Capital sales	7,151	14,975	1,985	10,646
Beginning inventory	630,042	957,829	380,727	951,194
Capital purchases	60,023	78,734	41,057	93,164
Depreciation, capital adjust.	-57,746	-89,104	-34,068	-88,246
Titled Vehicles				
Ending inventory	43,209	61,997	35,457	56,229
Capital sales	905	2,369	809	155
Beginning inventory	44,082	65,344	35,927	55,000
Capital purchases	4,775	5,347	3,543	8,015
Depreciation, capital adjust.	-4,744	-6,324	-3,204	-6,631
Buildings and Improvements				
Ending inventory	169,450	265,598	98,896	294,992
Capital sales	1,076	-	2,095	1,057
Beginning inventory	163,317	264,947	98,873	271,711
Capital purchases	12,198	9,627	4,149	33,710
Depreciation, capital adjust.	-4,989	-8,976	-2,032	-9,371
Total depreciation, capital adj.	-67,479	-104,404	-39,304	-104,249
Net farm income from operations	28,048	-140,326	18,549	213,380
Gain or loss on capital sales	552	-723	825	834
Net farm income	28,600	-141,049	19,374	214,214

Profitability Measures North Dakota Farm Business Management Education Program State Report, 2015 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	525	105	105	105
Profitability (assets valued at cost)				
Net farm income from operations	28,048	-140,326	18,549	213,380
Rate of return on assets	0.5 %	-5.0 %	0.0 %	5.1 %
Rate of return on equity	-1.7 %	-13.6 %	-1.9 %	5.9 %
Operating profit margin	1.5 %	-18.5 %	0.1 %	15.5 %
Asset turnover rate	30.4 %	27.1 %	29.9 %	33.0 %
Farm interest expense	31,564	55,936	16,835	43,268
Value of operator lbr and mgmt.	50,064	59,497	34,965	77,724
Return on farm assets	9,548	-143,888	419	178,924
Average farm assets	2,103,404	2,864,188	1,305,337	3,482,372
Return on farm equity	-22,016	-199,823	-16,416	135,656
Average farm equity	1,264,749	1,473,168	843,605	2,291,798
Value of farm production	639,824	776,509	390,379	1,150,800

Liquidity & Repayment Capacity Measures North Dakota Farm Business Management Education Program State Report, 2015 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	525	105	105	105
Liquidity				
Current ratio	1.45	1.12	1.72	1.69
Working capital	155,529	71,735	137,717	353,484
Working capital to gross inc	26.6 %	9.5 %	35.5 %	35.4 %
Current assets	504,005	671,507	327,780	862,556
Current liabilities	348,476	599,772	190,063	509,072
Gross revenues (accrual)	584,832	754,508	388,188	998,965
Repayment capacity				
Net farm income from operations	28,048	-140,326	18,549	213,380
Depreciation	67,479	104,404	39,304	104,249
Personal income	31,568	31,427	40,107	18,000
Family living/owner withdrawals	-65,372	-78,146	-48,088	-89,864
Cash discrepancy	67	74	-564	850
Payments on personal debt	-3,527	-3,903	-3,856	-3,226
Income taxes paid	-17,606	-18,855	-10,888	-27,784
Interest on term debt	19,510	27,396	12,355	28,415
Capital debt repayment capacity	60,100	-78,003	47,483	243,170
Scheduled term debt payments	-99,696	-145,822	-52,887	-162,388
Capital debt repayment margin	-39,596	-223,825	-5,403	80,782
Cash replacement allowance	-31,752	-43,743	-20,946	-56,859
Replacement margin	-71,348	-267,568	-26,349	23,923
Term debt coverage ratio	0.60	-0.53	0.90	1.50
Replacement coverage ratio	0.46	-0.41	0.64	1.11

Balance Sheet at Cost Values North Dakota Farm Business Management Education Program State Report, 2015 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	485	95	103	86
Assets Current Farm Assets				
Cash and checking balance Prepaid expenses & supplies Growing crops Accounts receivable Hedging accounts Crops held for sale or feed Crops under government loan Market livestock held for sale	44,966	43,616	28,425	90,967
	45,220	51,574	32,863	94,355
	788	197	635	3,012
	29,852	34,495	19,654	51,899
	3,054	3,490	1,420	9,988
	308,331	430,689	208,064	507,309
	15,336	30,402	7,652	16,925
	55,951	76,122	28,753	87,439
Other current assets Total current farm assets	507	922	313	661
	504,005	671,507	327,780	862,556
Intermediate Farm Assets Breeding livestock Machinery and equipment Titled vehicles Other intermediate assets Total intermediate farm assets	78,855	63,547	73,518	97,828
	553,888	832,458	371,611	834,404
	39,983	58,186	34,172	51,334
	39,869	35,494	35,180	81,424
	712,596	989,686	514,482	1,064,991
Long Term Farm Assets Farm land Buildings and improvements Other long-term assets Total long-term farm assets Total Farm Assets	504,527	644,351	325,471	879,894
	139,629	231,984	93,761	223,694
	33,531	45,922	21,414	73,945
	677,687	922,258	440,646	1,177,533
	1,894,288	2,583,450	1,282,907	3,105,081
Total Nonfarm Assets	273,276	349,531	216,463	418,483
Total Assets	2,167,564	2,932,982	1,499,370	3,523,564
Liabilities Current Farm Liabilities Accrued interest Accounts payable Current notes Government crop loans Principal due on term debt Total current farm liabilities	14,901	28,368	7,826	20,138
	19,157	33,717	11,363	20,433
	229,963	426,019	116,964	314,187
	8,353	18,166	4,415	8,212
	76,102	93,502	49,493	146,104
	348,476	599,772	190,063	509,072
Total intermediate farm liabs	172,228	289,775	119,726	223,550
Total long term farm liabilities	292,836	452,647	180,312	434,626
Total farm liabilities	813,541	1,342,194	490,101	1,167,248
Total nonfarm liabilities	49,928	72,431	43,151	43,178
Total liabilities	863,469	1,414,625	533,252	1,210,426
Net worth (farm and nonfarm)	1,304,095	1,518,356	966,118	2,313,138
Net worth change	-20,036	-162,332	1,980	89,651
Percent net worth change	-2 %	-10 %	0 %	4 %
Ratio Analysis Current farm liabilities / assets Intermediate farm liab. / assets Long term farm liab. / assets Total debt to asset ratio	69 %	89 %	58 %	59 %
	24 %	29 %	23 %	21 %
	43 %	49 %	41 %	37 %
	40 %	48 %	36 %	34 %

Statement Of Cash Flows

North Dakota Farm Business Management Education Program State Report, 2015 (Farms Sorted By Net Farm Income)

	Avg. Of			_
	All Farms	<u>Low 20%</u>	<u>40 - 60%</u>	High 20%
Number of farms	525	105	105	105
Beginning cash (farm & nonfarm)	59,103	62,286	43,264	83,702
Cash Provided By Operating Activities				
Gross cash farm income	687,287	915,832	414,456	1,157,847
Total cash farm expense	-565,341	-837,392	-340,024	-886,881
Net cash from hedging transactions	2,377	-200	589	5,933
Cash provided by operating	124,323	78,239	75,021	276,899
Cash Provided By Investing Activities				
Sale of breeding livestock	4,259	5,567	1,225	4,851
Sale of machinery & equipment	7,363	15,414	2,109	11,042
Sale of titled vehicles	960	2,586	809	174
Sale of farm land	4,956	12,582	1,202	4,126
Sale of farm buildings	1,048	-	2,095	914
Sale of other farm assets	5,583	6,958	729	19,726
Sale of nonfarm assets	2,574	2,500	2,180	3,225
Purchase of breeding livestock	-17,999	-10,647	-22,531	-25,961
Purchase of machinery & equip.	-60,023	-78,734	-41,057	-93,164
Purchase of titled vehicles	-4,775	-5,347	-3,543	-8,015
Purchase of farm land	-27,514	-23,306	-25,434	-38,052
Purchase of farm buildings	-12,198	-9,627	-4,149	-33,710
Purchase of other farm assets	-7,794	-5,201	-4,957	-23,000
Purchase of nonfarm assets	-24,084	-47,452	-13,636	-28,693
Cash provided by investing	-127,646	-134,707	-104,960	-206,536
Cash Provided By Financing Activities				
Money borrowed	562,007	1,065,235	296,453	727,274
Principal payments	-513,173	-965,132	-255,410	-689,083
Personal income	31,568	31,427	40,107	18,000
Family living/owner withdrawals	-65,356	-78,146	-48,007	-89,864
Income and social security tax	-17,569	-18,296	-10,929	-28,306
Capital contributions	99	276	18	-
Capital distributions	-854	-35	-4,191	-16
Dividends paid	-16	-	-81	-
Cash gifts and inheritances	5,077	10,359	6,349	1,221
Gifts given	-1,338	-1,126	-95	-405
Other cash flows	-	-	-	-
Cash provided by financing	445	44,562	24,213	-61,178
Net change in cash balance	-2,878	-11,905	-5,726	9,185
Ending cash (farm & nonfarm)	56,292	50,455	36,973	93,737
Discrepancy	-67	-74	564	-850

Financial Standards Measures North Dakota Farm Business Management Education Program State Report, 2015 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	<u>Low 20%</u>	40 - 60%	High 20%
Number of farms	525	105	105	105
Liquidity				
Current ratio	1.45	1.12	1.72	1.69
Working capital	155,529	71,735	137,717	353,484
Working capital to gross inc	26.6 %	9.5 %	35.5 %	35.4 %
Solvency (cost)				
Farm debt to asset ratio	43 %	52 %	38 %	38 %
Farm equity to asset ratio	57 %	48 %	62 %	62 %
Farm debt to equity ratio	0.75	1.08	0.62	0.60
Profitability (cost)				
Rate of return on farm assets	0.5 %	-5.0 %	0.0 %	5.1 %
Rate of return on farm equity	-1.7 %	-13.6 %	-1.9 %	5.9 %
Operating profit margin	1.5 %	-18.5 %	0.1 %	15.5 %
Net farm income	28,600	-141,049	19,374	214,214
EBITDA	127,090	20,013	74,688	360,897
Repayment Capacity				
Capital debt repayment capacity	60,100	-78,003	47,483	243,170
Capital debt repayment margin	-39,596	-223,825	-5,403	80,782
Replacement margin	-71,348	-267,568	-26,349	23,923
Term debt coverage ratio	0.60	-0.53	0.90	1.50
Replacement coverage ratio	0.46	-0.41	0.64	1.11
Efficiency				
Asset turnover rate (cost)	30.4 %	27.1 %	29.9 %	33.0 %
Operating expense ratio	81.1 %	97.6 %	81.3 %	70.1 %
Depreciation expense ratio	10.0 %	12.4 %	9.9 %	8.6 %
Interest expense ratio	4.7 %	6.6 %	4.2 %	3.6 %
Net farm income ratio	4.2 %	-16.7 %	4.9 %	17.7 %

Crop Production and Marketing Summary North Dakota Farm Business Management Education Program State Report, 2015

(Farms Sorted By Net Farm Income)

	Avg. Of			
	<u>All Farms</u>	Low 20%	<u>40 - 60%</u>	<u>High 20%</u>
Number of farms	525	105	105	105
Acreage Summary				
Total acres owned	788	994	471	1,200
Total crop acres	1,838	2,641	1,175	2,770
Crop acres owned	483	688	291	653
Crop acres cash rented	1,254	1,829	773	2,021
Crop acres share rented	101	124	112	96
Total pasture acres	533	424	425	684
Percent crop acres owned	26 %	26 %	25 %	24 %
Mach invest/crop acre cost	365	382	355	362
Average Price Received (Cash Sales Only)				
Wheat, Spring per bushel	5.22	5.23	5.15	5.37
Soybeans per bushel	9.11	9.10	9.09	9.36
Corn per bushel	3.39	3.27	3.51	3.64
Barley per bushel	5.27	5.00	4.92	5.59
Canola per cwt	16.64	15.08	15.17	17.86
Sunflowers per cwt	19.44	18.31	18.52	20.89
Beans, Pinto per cwt	22.25	21.59	23.66	22.90
Wheat, Winter per bushel	4.22	4.58	4.34	3.88
Flax per bushel	10.31	10.55	-	10.29
Peas, Field per bushel	7.58	7.62	-	8.03
Wheat, Durum per bushel	6.83	5.83	7.46	6.93
Hay, Mixed Alfalfa/Grass per ton	71.93	-	-	-
Oats per bushel	3.19	-	-	-
Sunflowers, Confectionary per cwt	32.90	-	-	33.03
Hay, Grass per ton	63.09	67.43	-	-
Soybeans, Food per bushel	12.28	-	-	-
Average Yield Per Acre				
Wheat, Spring (bushel)	55.67	52.60	56.99	58.37
Soybeans (bushel)	32.61	29.05	33.85	34.56
Pasture (aum)	0.837	0.794	0.858	0.981
Corn (bushel)	132.63	110.96	134.00	144.41
Barley (bushel)	70.45	66.19	67.22	72.78
Canola (cwt)	17.87	16.99	18.57	19.02
Hay, Grass (ton)	1.26	1.15	1.06	1.30
Hay, Mixed Alfalfa/Grass (ton)	1.60	1.40	1.71	1.56
Sunflowers (cwt)	15.93	14.32	16.65	18.35
Hay, Alfalfa (ton)	2.25	3.03	1.43	2.07
Hay, Small Grain (ton)	2.38	2.73	2.27	2.48
Flax (bushel)	22.41	19.30	18.17	22.07
Beans, Pinto (cwt)	13.48	13.16	15.29	14.59
Corn Silage (ton)	13.98	16.57	14.93	12.77
Sugar Beets (ton)	21.14	24.50	24.23	18.53
Hay, Mixed (ton)	1.68	1.68	-	1.78
Peas, Field (bushel)	42.15	37.39	-	43.56
Wheat, Durum (bushel)	54.24	50.32	65.93	51.72
Oats (bushel)	74.08	64.81	66.69	-
Soybeans, Food (bushel)	33.78	-		38.74
Wheat, Winter (bushel)	49.62	47.01	47.27	53.10
Hay, Summer Annual Grass (ton)	2.41	-	-	-
Sunflowers, Confectionary (cwt)	15.40	-	_	-

Household and Personal Expenses North Dakota Farm Business Management Education Program State Report, 2015 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Nl				
Number of farms	178	40	28	26
Average family size	2.9	3.1	2.6	3.3
Family Living Expenses				
Food and meals expense	9,231	10,167	8,453	9,743
Medical care	5,184	7,043	4,138	6,884
Health insurance	8,569	9,488	6,925	10,368
Cash donations	2,011	2,536	1,426	2,124
Household supplies	5,850	7,638	5,523	5,266
Clothing	2,212	2,269	1,607	3,110
Personal care	6,183	7,461	7,738	6,594
Child / Dependent care	577	478	1,084	895
Alimony and child support	19	-	-	-
Gifts	2,060	1,518	1,577	2,871
Education	1,221	2,245	393	867
Recreation	4,481	5,096	3,624	8,140
Utilities (household share)	3,778	4,410	3,416	4,610
Personal vehicle operating exp	3,359	3,980	3,269	3,123
Household real estate taxes	260	380	113	326
Dwelling rent	382	339	703	259
Household repairs	2,336	3,207	1,668	3,082
Personal interest	1,451	1,912	642	1,226
Disability / Long term care ins	308	98	312	629
Life insurance payments	2,473	2,777	1,268	5,003
Personal property insurance	265	286	231	242
Miscellaneous	3,564	4,128	3,003	5,222
Total cash family living expense	65,773	77,456	57,114	80,584
Family living from the farm	204	146	241	80
Total family living	65,977	77,602	57,355	80,664
Other Nonfarm Expenditures				
Income taxes	18,015	21,058	17,223	22,606
Furnishing & appliance purchases	72	69	-	-68
Nonfarm vehicle purchases	2,856	3,215	1,872	3,655
Nonfarm real estate purchases	15,365	46,881	1,270	2,112
Other nonfarm capital purchases	3,541	4,565	5,440	115
Nonfarm savings & investments	4,941	572	2,153	14,453
Total other nonfarm expenditures	44,789	76,360	27,957	42,872
Total cash family living				
investment & nonfarm capital purch	110,563	153,816	85,071	123,456

Operator and Labor Information North Dakota Farm Business Management Education Program State Report, 2015 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	525	105	105	105
Operator Information				
Average number of operators	1.1	1.1	1.0	1.2
Average age of operators	45.2	49.6	40.5	45.3
Average number of years farming	21.2	26.2	16.7	22.6
Results Per Operator				
Working capital	193,217	57,275	159,080	461,112
Total assets (cost)	2,201,743	2,887,843	1,496,307	3,299,348
Total liabilities	845,824	1,380,754	514,702	1,062,247
Net worth (cost)	1,355,919	1,507,089	981,605	2,237,101
Gross farm income	620,921	770,154	387,781	1,015,280
Total farm expense	595,088	898,278	369,747	836,041
Net farm income from operations	25,833	-128,124	18,034	179,239
Net nonfarm income	29,076	28,695	38,993	15,120
Family living & tax withdrawals	76,365	88,498	57,886	98,110
Total acres owned	726.1	907.4	457.9	1,007.9
Total crop acres	1,692.9	2,411.5	1,142.8	2,327.1
Crop acres owned	444.8	627.8	282.5	548.4
Crop acres cash rented	1,155.3	1,670.1	751.8	1,697.8
Crop acres share rented	92.7	113.6	108.6	81.0
Total pasture acres	491.1	386.7	412.9	574.6
Labor Analysis				
Number of farms	525	105	105	105
Total unpaid labor hours	2,042	2,465	1,571	2,554
Total hired labor hours	1,054	2,270	370	1,749
Total labor hours per farm	3,096	4,734	1,941	4,303
Unpaid hours per operator	1,881	2,250	1,527	2,146

Nonfarm Summary North Dakota Farm Business Management Education Program State Report, 2015

(Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	525	105	105	105
Nonfarm Income				
Personal wages & salary	21,163	16,112	28,819	10,274
Net nonfarm business income	3,349	5,490	7,494	514
Personal rental income	1,393	3,599	18	1,097
Personal interest income	359	642	28	690
Personal cash dividends	168	163	0	584
Tax refunds	872	773	818	651
Other nonfarm income	4,264	4,648	2,930	4,190
Total nonfarm income	31,568	31,427	40,107	18,000
Gifts and inheritances	5,077	10,359	6,349	1,221

Financial Summary North Dakota Farm Business Management Education Program State Report, 2015 (Farms Sorted By Gross Farm Income)

	All Farms	100,000	250,000	500,000	500,001 - <u>1,000,000</u>	1,000,001- 2,000,000	Over 2,000,000
Number of farms	525	54	68	141	163	73	26
Income Statement							
Gross cash farm income	687,287	52,536	168,253	365,735	720,950	1,401,466	2,890,649
Total cash farm expense	565,341	58,049	135,127	303,041	578,157	1,161,708	2,411,840
Net cash farm income	121,946	-5,512	33,126	62,694	142,794	239,759	478,809
Inventory change	-26,419	24,587	-9,193	-7,968	-41,972	-45,118	-127,471
Depreciation	-67,479	-5,544	-11,591	-33,013	-72,450	-150,140	-265,932
Net farm income from operations	28,048	13,530	12,341	21,713	28,372	44,501	85,406
Gain or loss on capital sales	552	28	1,075	1,196	1,808	-285	-8,734
Average net farm income	28,600	13,558	13,416	22,909	30,179	44,216	76,672
Median net farm income	18,999	8,210	12,976	20,537	32,111	34,399	113,727
Profitability (cost)							
Rate of return on assets	0.5 %	1.7 %	0.2 %	0.4 %	0.4 %	0.5 %	0.4 %
Rate of return on equity	-1.7 %	-0.2 %	-3.4 %	-2.2 %	-1.9 %	-1.7 %	-1.2 %
Operating profit margin	1.5 %	5.9 %	0.7 %	1.5 %	1.4 %	1.6 %	1.4 %
Asset turnover rate	30.4 %	28.2 %	28.4 %	29.8 %	30.0 %	31.7 %	30.3 %
Liquidity & Repayment (end of ye							
Current assets	504,005	67,032	135,414	321,039	594,052	1,116,081	1,989,242
Current liabilities	348,476	46,479	93,343	216,571	391,371	862,798	1,269,458
Current ratio	1.45	1.44	1.45	1.48	1.52	1.29	1.57
Working capital	155,529	20,553	42,070	104,468	202,680	253,283	719,784
Working capital to gross inc	26.6 %	26.8 %	25.1 %	28.2 %	29.8 %	19.2 %	31.6 %
Term debt coverage ratio	0.60	1.67	0.57	0.70	0.54	0.48	0.84
Replacement coverage ratio	0.46	1.54	0.49	0.54	0.41	0.38	0.53
Term debt to EBITDA	3.60	3.95	5.25	4.02	3.70	3.58	2.72
Solvency (end of year at cost)							
Number of sole proprietors	485	53	68	138	151	59	16
Total assets	2,167,564	394,887	692,676	1,455,938	2,532,172	4,773,870	7,393,862
Total liabilities	863,469	233,679	342,972	579,847	959,835	1,975,981	2,596,160
Net worth	1,304,095	161,208	349,704	876,091	1,572,336	2,797,889	4,797,702
Net worth change	-20,036	19,232	460	-2,951	-29,318	-75,039	-94,147
Farm debt to asset ratio	43 %	63 %	53 %	44 %	41 %	45 %	37 %
Total debt to asset ratio	40 %	59 %	50 %	40 %	38 %	41 %	35 %
Change in earned net worth %	-2 %	14 %	0 %	0 %	-2 %	-3 %	-2 %
Nonfarm Information	.		_,				
Net nonfarm income	31,568	42,760	34,983	36,439	27,736	22,922	21,280
Farms reporting living expenses	178	14	22	52	63	21	6
Total family living expense	65,977	41,690	46,319	57,091	73,759	90,233	105,141
Crop Acres							
Total crop acres	1,838	193	559	1,213	2,044	3,427	6,235
Total crop acres owned	483	50	136	339	630	826	1,182
Total crop acres cash rented	1,254	130	355	772	1,307	2,468	4,816
Total crop acres share rented	101	13	68	101	107	133	237
Machinery value per crop acre	365	283	203	296	364	419	397

Financial Summary North Dakota Farm Business Management Education Program State Report, 2015

(Farms Sorted By Age of Operator)

	Avg. Of	Less	24 40	44 50	F4 C0	O
	All Farms	<u>Than 31</u>	<u>31 - 40</u>	<u>41 - 50</u>	<u>51 - 60</u>	<u>Over 60</u>
Number of farms	525	101	103	89	145	87
Income Statement						
Gross cash farm income	687,287	276,734	590,217	847,633	894,911	768,753
Total cash farm expense	565,341	234,865	507,125	709,709	734,622	588,098
Net cash farm income	121,946	41,870	83,092	137,924	160,289	180,655
Inventory change	-26,419	16,991	-763	-31,939	-43,514	-73,052
Depreciation	-67,479	-20,424	-50,014	-88,459	-97,658	-71,020
Net farm income from operations	28,048	38,437	32,315	17,526	19,116	36,583
Gain or loss on capital sales	552	-129	1,644	1,322	67	73
Average net farm income	28,600	38,308	33,959	18,849	19,183	36,656
Median net farm income	18,999	20,537	25,756	18,097	17,143	14,154
Profitability (cost)						
Rate of return on assets	0.5 %	4.0 %	1.4 %	-0.1 %	-0.1 %	0.5 %
Rate of return on equity	-1.7 %	4.4 %	-1.6 %	-2.9 %	-2.3 %	-0.8 %
Operating profit margin	1.5 %	8.7 %	4.0 %	-0.3 %	-0.5 %	1.8 %
Asset turnover rate	30.4 %	45.9 %	34.3 %	32.7 %	28.1 %	25.7 %
Liquidity & Repayment (end of ye						
Current assets	504,005	196,465	410,094	641,735	726,109	484,221
Current liabilities	348,476	147,425	335,918	444,038	491,670	271,111
Current ratio	1.45	1.33	1.22	1.45	1.48	1.79
Working capital	155,529	49,040	74,175	197,697	234,439	213,110
Working capital to gross inc	26.6 %	17.1 %	13.6 %	26.4 %	29.8 %	43.5 %
Term debt coverage ratio	0.60	1.23	0.72	0.55	0.53	0.43
Replacement coverage ratio Term debt to EBITDA	0.46 3.60	1.10 3.10	0.62 4.25	0.42 3.39	0.39 3.83	0.29 3.08
Term debt to EBITDA	3.00	3.10	4.25	3.39	3.63	3.00
Solvency (end of year at cost)						
Number of sole proprietors	485	97	98	80	133	77
Total assets	2,167,564	762,370	1,722,705	2,487,216	3,145,436	2,482,770
Total liabilities	863,469	446,270	943,695	1,018,454	1,152,718	626,291
Net worth	1,304,095	316,100	779,010	1,468,762	1,992,718	1,856,479
Net worth change	-20,036	24,968	-325	-28,546	-59,124	-25,459
Farm debt to asset ratio	43 %	60 %	57 %	43 %	40 %	29 %
Total debt to asset ratio Change in earned net worth %	40 % -2 %	59 % 9 %	55 % 0 %	41 % -2 %	37 % -3 %	25 % -1 %
•	-2 70	3 70	0 70	-2 70	-5 70	-1 /0
Nonfarm Information						
Net nonfarm income	31,568	26,526	34,498	32,469	28,855	37,555
Farms reporting living expenses	178	25	35	25	55	38
Total family living expense	65,977	46,583	61,184	80,075	72,132	64,967
Crop Acres						
Total crop acres	1,838	893	1,566	2,382	2,354	1,839
Total crop acres owned	483	90	266	556	711	742
Total crop acres cash rented	1,254	739	1,188	1,743	1,520	988
Total crop acres share rented	101	64	112	83	124	109
Machinery value per crop acre	365	223	310	354	417	402

Financial Summary North Dakota Farm Business Management Education Program State Report, 2015 (Farms Sorted By Farm Type)

	Avg. Of All Farms	Crop	Beef	Crop and Beef	Other
Number of farms	525	322	64	80	54
Income Statement					
Gross cash farm income	687,287	788,191	278,767	616,204	520,425
Total cash farm expense	565,341	648,135	209,056	508,549	432,140
Net cash farm income	121,946	140,056	69,711	107,655	88,286
Inventory change	-26,419	-28,765	-8,386	-58,460	19,907
Depreciation	-67,479	-82,523	-16,580	-52,293	-55,155
Net farm income from operations	28,048	28,768	44,745	-3,098	53,037
Gain or loss on capital sales	552	524	258	2,936	-2,410
Average net farm income	28,600	29,292	45,003	-162	50,627
Median net farm income	18,999	21,605	19,319	-2,362	20,579
Median het lann income	10,999	21,003	19,519	-2,502	20,379
Profitability (cost)					
Rate of return on assets	0.5 %	0.1 %	4.0 %	-0.6 %	2.8 %
Rate of return on equity	-1.7 %	-1.8 %	4.4 %	-5.0 %	1.5 %
Operating profit margin	1.5 %	0.4 %	19.0 %	-2.3 %	9.3 %
Asset turnover rate	30.4 %	31.7 %	21.2 %	26.3 %	29.9 %
Liquidity 9 Denoyment (and of year)					
Liquidity & Repayment (end of year) Current assets	504,005	586,411	259,383	494,112	356,366
Current liabilities	348,476	371,177	259,363 161,568	399,223	390,162
	1.45	1.58	1.61	1.24	0.91
Current ratio	155,529	215,234		94,889	
Working capital	26.6 %		97,814 36.5 %	9 4 ,889 16.8 %	-33,797 -6.4 %
Working capital to gross inc		32.1 %			
Term debt coverage ratio	0.60	0.64	1.33	0.35	0.52
Replacement coverage ratio Term debt to EBITDA	0.46	0.44 3.16	1.19 3.40	0.32 6.07	0.46
Term debt to EBITDA	3.60	3.10	3.40	6.07	3.75
Solvency (end of year at cost)					
Number of sole proprietors	485	290	64	78	50
Total assets	2,167,564	2,493,112	1,065,568	2,088,964	1,862,068
Total liabilities	863,469	892,096	506,634	977,650	996,327
Net worth	1,304,095	1,601,017	558,934	1,111,315	865,741
Net worth change	-20,036	-37,181	41,516	-25,754	6,435
Farm debt to asset ratio	43 %	39 %	50 %	50 %	56 %
Total debt to asset ratio	40 %	36 %	48 %	47 %	54 %
Change in earned net worth %	-2 %	-2 %	8 %	-2 %	1 %
Nonfarm Information					
Net nonfarm income	31,568	31,949	43,851	25,514	24,870
Farms reporting living expenses	178	107	45,651	25,514	24,870 17
	65,977	71,823	49,842	55,157	71,367
Total family living expense	05,977	11,023	49,042	55, 157	71,307
Crop Acres					
Total crop acres	1,838	2,180	507	1,898	1,263
Total crop acres owned	483	530	200	623	335
Total crop acres cash rented	1,254	1,528	280	1,175	857
Total crop acres share rented	101	122	28	100	71
Machinery value per crop acre	365	386	308	262	392
<i>.</i>					

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	Low 20%	40 - 60%	High 20%
Number of farms	53	10	10	11
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre Crop insurance per acre	240.56 69.84 100.00 4.91 0.04 342.85 9.77	57.44 54.37 100.00 2.50 0.92 136.57 6.56	201.90 60.63 100.00 4.82 - 292.18 7.28	389.74 83.71 100.00 5.30 - 443.79 3.73
Other crop income per acre Gross return per acre	1.43 354.04	143.13	299.46	447.52
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	17.22 56.12 32.58 17.46 13.83 19.86 4.65 3.29 0.78 165.80 188.24	18.17 54.25 27.26 14.43 11.85 15.84 6.09 5.57	16.85 50.55 37.65 19.02 13.71 26.61 3.50 2.57 - 170.45 129.01	17.83 50.20 28.81 18.33 14.74 14.98 5.68 2.42 1.76 154.75 292.76
Overhead Expenses				
Custom hire 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	1.74 8.15 1.64 6.23 4.60 3.35 0.71 14.87 34.05 3.80 79.14 244.94 109.10	0.22 3.47 0.66 5.33 4.55 3.45 1.04 18.60 24.85 3.39 65.57 219.03 -75.90	0.14 9.39 1.65 5.46 4.84 4.20 0.95 13.89 23.62 3.16 67.28 237.74 61.73	3.26 9.32 2.11 5.89 4.30 2.80 0.45 7.44 39.10 2.93 77.56 232.32 215.20
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	10.75 119.85 21.12 98.74	13.59 -62.31 17.27 -79.58	8.53 70.26 19.09 51.16	8.90 224.10 22.49 201.61
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.37 3.51 3.19 3.49	2.82 4.03 3.64 3.96	2.81 3.92 3.66 3.98	1.85 2.78 2.62 2.89
Net value per unit Machinery cost per acre Est. labor hours per acre	4.91 75.13 1.19	2.50 62.27 1.08	4.82 69.11 1.23	5.30 76.77 1.14

Barley on Cash Rent

	Avg. Of <u>All Farms</u>	Low 20%	40 - 60%	<u> High 20%</u>
Number of farms	81	16	16	17
Acres Yield per acre (bu.) Operators share of yield % Value per bu.	394.93	218.64	442.18	432.66
	70.55	58.44	68.65	81.64
	100.00	100.00	100.00	100.00
	5.00	3.84	4.89	5.37
Other product return per acre Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	0.04 352.67 9.73 1.15 363.56	224.57 15.77 6.56 246.91	335.87 7.04 - 342.91	438.72 13.44 0.33 452.50
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	19.79	23.25	22.10	18.86
	60.97	53.27	62.70	59.20
	33.42	29.39	32.59	32.51
	16.48	15.00	18.94	17.94
	13.19	15.39	11.75	14.29
	18.45	19.60	21.85	17.63
	4.87	4.54	6.16	5.65
	62.90	75.95	51.12	67.99
	3.37	4.76	2.49	3.91
	1.02	0.02	1.21	1.71
	234.46	241.17	230.91	239.68
	129.09	5.73	112.00	212.82
Overhead Expenses Custom hire 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	0.92 8.61 2.57 4.53 3.22 1.82 2.65 33.48 3.76 61.56 296.02 67.54	0.99 7.71 3.62 4.52 2.39 1.04 3.80 25.86 4.01 53.95 295.12 -48.21	0.84 8.01 3.05 4.77 2.70 0.90 3.04 37.05 2.25 62.63 293.54 49.37	2.53 8.48 2.32 4.65 3.81 1.40 2.54 38.71 3.40 67.84 307.53 144.97
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	12.50	15.56	10.95	11.15
	80.03	-32.65	60.32	156.12
	21.67	21.85	21.12	23.82
	58.36	-54.50	39.20	132.30
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.32	4.13	3.36	2.94
	4.20	5.05	4.28	3.77
	3.86	4.40	4.01	3.46
	4.17	4.78	4.32	3.75
Net value per unit	5.00	3.84	4.89	5.37
Machinery cost per acre	73.94	73.07	82.03	79.65
Est. labor hours per acre	1.13	1.15	1.15	1.21

Beans, Pinto on Owned Land

	Avg. Of <u>All Farms</u>
Number of farms	14
Acres Yield per acre (cwt.) Operators share of yield % Value per cwt. Total product return per acre Crop insurance per acre Gross return per acre	212.69 13.08 100.00 21.24 277.78 51.99 329.77
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	44.48 51.41 59.23 25.29 16.29 26.03 1.39 5.16 1.56 230.87 98.90
Overhead Expenses Custom hire 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	2.73 9.64 1.60 5.39 5.62 3.39 1.89 39.44 44.56 4.47 118.73 349.60 -19.83
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	6.88 -12.96 26.86 -39.81
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	17.65 26.73 22.23 24.28
Net value per unit Machinery cost per acre Est. labor hours per acre	21.24 93.62 1.49

Beans, Pinto on Cash Rent

	Avg. Of _All Farms	Low 20%	40 - 60%	High 20%
Number of farms	25	5	5	5
Acres 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	401.42 13.37 100.00 21.31 284.93 55.97 0.95 341.84	231.02 13.20 100.00 20.30 267.86	286.29 14.17 100.00 20.53 290.84 34.80	445.12 15.76 100.00 21.91 345.36 81.44 4.29 431.08
Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Land rent Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	57.46 41.87 68.43 18.99 17.02 20.21 1.96 61.81 0.27 5.61 0.21 293.83 48.02	51.67 52.56 78.73 18.25 20.71 27.53 0.76 55.39 7.17 0.05 312.82 -44.96	83.73 42.31 76.44 18.34 10.85 10.20 3.35 62.81 1.88 4.57 1.38 315.86 9.78	55.75 35.20 60.17 20.80 14.37 23.44 1.72 74.82 4.64 290.91
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	2.21 9.76 3.50 0.16 4.38 3.25 0.76 4.04 40.64 4.59 73.28 367.11 -25.27	12.09 15.24 1.41 0.84 4.34 3.90 0.12 5.56 37.39 5.34 86.24 399.06 -131.20	5.40 1.92 3.95 2.61 0.29 2.75 30.41 4.36 51.69 367.56 -41.91	10.69 2.90 0.27 3.90 3.12 0.48 3.32 31.39 4.92 61.00 351.91 79.18
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	9.52 -15.75 26.53 -42.28	11.21 -119.99 25.82 -145.81	12.66 -29.25 26.43 -55.68	7.04 86.22 29.36 56.86
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	21.98 27.46 22.49 24.47	23.71 30.24 29.39 31.35	22.29 25.94 22.59 24.46	18.46 22.33 16.44 18.31
Net value per unit Machinery cost per acre Est. labor hours per acre	21.31 86.76 1.33	20.30 102.49 1.82	20.53 59.90 0.94	21.91 72.14 1.29

Canola on Owned Land

	Avg. Of <u>All Farms</u>	Low 20%	<u>40 - 60%</u>	High 20%
Number of farms	40	8	8	8
Acres Yield per acre (cwt.) Operators share of yield % Value per cwt.	209.64	206.04	178.88	193.17
	17.99	15.28	16.75	21.11
	100.00	100.00	100.00	100.00
	14.74	14.23	14.36	14.86
Total product return per acre Crop insurance per acre Other crop income per acre	265.10 8.43 1.07	217.44 15.23	240.55 0.13 -	313.69 11.64
Gross return per acre	274.61	232.67	240.68	325.33
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Machinery leases Operating interest Total direct expenses per acre Return over direct exp per acre	67.11	60.51	50.40	69.43
	62.75	75.78	62.08	49.36
	29.13	33.67	24.06	28.27
	12.64	17.04	11.56	10.43
	15.73	16.55	12.02	15.82
	21.36	26.37	16.84	18.18
	1.95	2.27	3.14	1.00
	0.58	0.06	-	3.10
	3.67	9.41	3.33	1.80
	214.93	241.67	183.43	197.39
	59.67	-9.00	57.26	127.94
Overhead Expenses Custom hire 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	0.51 4.94 4.02 6.33 4.52 3.23 0.63 13.71 30.83 2.96 71.68 286.62 -12.01	2.61 9.81 2.92 6.56 5.02 3.61 0.38 23.70 29.23 3.26 87.09 328.76 -96.10	3.07 14.97 6.70 3.26 2.47 0.65 7.46 21.04 2.98 62.60 246.03 -5.35	2.88 1.23 6.83 3.91 2.15 0.62 19.53 29.09 2.94 69.18 266.57 58.76
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	11.85	10.16	11.54	10.89
	-0.16	-85.94	6.20	69.65
	22.98	23.29	18.19	23.90
	-23.14	-109.23	-11.99	45.75
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	11.95	15.82	10.95	9.35
	15.93	21.51	14.69	12.63
	14.75	19.85	13.99	11.56
	16.02	21.38	15.07	12.69
Net value per unit	14.74	14.23	14.36	14.86
Machinery cost per acre	76.21	83.57	69.52	69.65
Est. labor hours per acre	1.28	1.54	1.05	1.41

Canola on Cash Rent

	Avg. Of _All Farms	Low 20%	<u>40 - 60%</u>	High 20%
Number of farms	64	12	13	13
Acres 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	291.85 17.86 100.00 15.88 283.70 10.84 0.62 295.16	221.26 14.65 100.00 14.54 213.01 12.75 0.64 226.39	386.77 17.62 100.00 15.99 281.79 1.53 1.85 285.16	417.85 19.81 100.00 16.93 335.51 13.33
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	62.66	67.62	60.28	57.57
	69.51	74.81	71.96	67.00
	28.92	32.76	28.16	29.74
	15.02	16.77	17.26	14.50
	15.15	16.47	13.43	14.96
	18.39	20.04	17.27	15.15
	5.35	4.57	5.08	3.31
	47.24	55.55	44.34	47.56
	4.40	7.15	3.06	3.38
	0.64	0.02	0.63	0.15
	267.29	295.76	261.47	253.31
	27.87	-69.37	23.69	95.52
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	1.31	4.65	2.20	0.00
	4.68	9.85	6.88	1.60
	3.30	2.99	4.31	2.13
	0.35	0.13	0.22	0.86
	3.96	4.54	3.26	3.50
	2.86	3.27	2.79	2.60
	0.69	0.49	0.78	0.57
	2.48	3.84	2.63	1.41
	33.13	30.41	30.38	33.71
	2.58	2.96	1.64	2.12
	55.34	63.13	55.09	48.52
	322.63	358.89	316.56	301.83
	-27.47	-132.50	-31.40	47.00
Government payments	10.66	9.22	7.91	12.69
Net return with govt pmts	-16.81	-123.28	-23.49	59.69
Labor & management charge	25.75	23.98	20.92	27.63
Net return over lbr & mgt	-42.56	-147.26	-44.41	32.06
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	14.96	20.19	14.84	12.78
	18.06	24.50	17.96	15.23
	16.82	22.96	17.32	13.92
	18.26	24.59	18.51	15.31
Net value per unit	15.88	14.54	15.99	16.93
Machinery cost per acre	77.62	81.64	73.58	68.87
Est. labor hours per acre	1.26	1.46	1.10	1.20

Corn on Owned Land

	Avg. Of All Farms	Low 20%	<u>40 - 60%</u>	High 20%
Number of farms	112	22	23	23
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	223.97	206.85	192.72	241.43
	132.33	104.23	127.44	162.90
	100.00	100.00	100.00	100.00
	3.29	3.11	3.22	3.43
	0.52	2.85	-	-
	435.46	327.39	410.71	559.39
	0.53	0.77	-	-
	21.93	6.14	13.20	61.76
	1.66	0.04	0.15	7.12
	459.57	334.33	424.06	628.28
Direct Expenses	100.01	30 1.30	121.00	020.20
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	88.69	82.28	90.69	101.31
	113.83	106.07	103.72	135.09
	23.70	20.23	19.90	24.25
	22.46	17.69	26.81	25.48
	3.87	4.69	2.09	7.40
	20.20	21.36	19.29	19.71
	35.74	40.39	31.70	30.88
	6.22	2.87	3.80	3.54
	7.85	10.66	8.88	6.64
	0.87	0.28	0.69	1.66
	323.43	306.51	307.57	355.97
	136.14	27.83	116.49	272.31
Overhead Expenses Custom hire 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	1.52 14.87 3.79 0.43 12.72 6.19 4.92 2.27 35.48 53.18 4.73 140.09 463.52 -3.95	3.68 16.15 0.92 0.51 10.48 6.77 4.16 1.97 43.51 61.36 5.13 154.65 461.15 -126.82	1.09 10.69 2.09 1.54 10.82 6.45 4.59 1.94 33.79 57.04 5.40 135.44 443.01 -18.95	1.40 12.10 3.03 0.11 17.09 7.00 5.01 2.86 29.71 58.71 3.89 140.92 496.89 131.39
Government payments	17.68	16.52	15.89	20.44
Net return with govt pmts	13.73	-110.30	-3.06	151.83
Labor & management charge	34.69	37.95	37.36	36.33
Net return over lbr & mgt	-20.96	-148.25	-40.41	115.50
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.44	2.94	2.41	2.19
	3.50	4.42	3.48	3.05
	3.18	4.17	3.25	2.50
	3.45	4.54	3.54	2.72
Net value per unit	3.29	3.12	3.22	3.43
Machinery cost per acre	121.15	130.37	115.67	117.59
Est. labor hours per acre	1.93	2.28	1.80	1.87

Corn on Cash Rent

	Avg. Of _All Farms	Low 20%	<u>40 - 60%</u>	High 20%
Number of farms	145	29	29	29
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	430.26 131.24 100.00 3.36 0.08 441.34 0.55 6.89 0.69 449.47	226.97 94.81 100.00 3.15 0.79 299.37 1.62 11.43 0.03 312.45	527.67 138.47 100.00 3.35 464.41 0.09 8.01 1.70 474.20	417.01 172.84 100.00 3.52 607.75 0.89 0.86 609.51
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	88.46 111.77 24.16 19.29 4.93 19.68 29.92 3.71 93.44 0.66 8.58 1.74 406.35 43.13	87.18 108.01 22.55 18.73 6.93 19.34 29.46 4.83 67.26 0.70 11.14 1.96 378.08 -65.63	91.85 121.76 26.70 21.27 6.89 22.02 28.46 4.61 104.45 7.32 2.98 438.31 35.89	95.71 123.98 22.78 21.81 5.50 21.58 32.61 2.92 119.33 2.76 7.25 1.01 457.23 152.28
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	2.36 14.88 4.76 0.65 5.34 4.11 2.57 4.80 49.75 3.80 93.02 499.37 -49.89	0.41 12.93 5.52 0.16 5.15 4.06 1.51 4.84 54.33 4.64 93.56 471.64 -159.19	1.72 11.47 6.09 0.21 5.62 4.22 5.66 53.91 4.55 97.56 535.87 -61.67	0.70 19.63 5.02 1.40 5.81 4.39 2.71 3.26 49.62 2.61 95.16 552.39 57.12
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	17.58 -32.32 33.01 -65.33	16.10 -143.08 29.84 -172.92	20.65 -41.02 35.96 -76.97	22.17 79.29 39.11 40.18
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.10 3.81 3.61 3.86	3.99 4.97 4.66 4.97	3.17 3.87 3.65 3.91	2.65 3.20 3.06 3.28
Net value per unit Machinery cost per acre Est. labor hours per acre	3.37 112.28 1.78	3.17 116.01 1.99	3.35 119.26 1.91	3.52 116.76 1.85

Corn on Share Rent

	Avg. Of All Farms
Number of farms	12
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	159.49 151.60 69.60 3.48 367.07 21.14 10.55 398.77
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	85.44 123.92 21.22 19.37 5.86 21.78 29.08 4.45 4.40 1.20 316.71 82.06
Overhead Expenses Hired labor Machinery leases Building leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	14.15 4.37 0.28 7.66 5.77 2.27 1.74 50.01 1.91 88.17 404.88 -6.11
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	9.13 3.02 36.91 -33.89
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.00 3.84 3.45 3.80
Net value per unit Machinery cost per acre Est. labor hours per acre	3.48 109.81 1.94

Corn Silage on Owned Land

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	33	6	6	7
Acres Yield per acre (ton) Operators share of yield % Value per ton Other product return per acre Total product return per acre	60.54 14.07 100.00 30.32 4.54 431.16	48.79 9.31 100.00 27.87 - 259.43	40.00 16.30 100.00 29.32 - 477.95	71.81 18.50 100.00 30.32 - 560.83
Crop insurance per acre Gross return per acre	17.19 448.35	40.18 299.61	477.95	24.23 585.05
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	68.93 65.81 14.65 14.94 21.01 36.60 29.89 0.91 6.83 0.05 259.61 188.75	69.91 86.46 23.21 18.83 21.52 41.51 58.99 8.20 - 328.63 -29.02	80.13 86.73 19.40 14.96 24.71 33.96 60.89 7.57 9.37	52.92 44.50 10.08 11.50 18.93 28.40 24.59 6.10
Overhead Expenses Custom hire 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	1.75 9.26 2.07 0.23 4.93 4.08 3.04 1.07 20.67 38.98 4.93 91.00 350.61 97.74	0.00 1.26 2.47 0.13 5.36 6.36 3.46 0.98 32.56 47.36 3.51 103.46 432.09 -132.49	6.90 6.12 0.18 6.30 3.88 3.55 2.20 15.35 38.49 2.22 85.20 422.92 55.03	4.43 14.67 0.10 0.59 3.92 3.43 1.88 0.29 25.30 31.35 6.87 92.84 289.87 295.19
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	19.31 117.06 32.94 84.12	32.58 -99.90 36.15 -136.05	18.74 73.77 27.13 46.65	13.26 308.45 31.37 277.08
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	18.45 24.92 22.00 24.34	35.31 46.42 38.60 42.49	20.72 25.95 24.80 26.46	10.65 15.67 13.64 15.34
Net value per unit Machinery cost per acre Est. labor hours per acre	30.32 132.05 2.68	27.87 174.93 2.53	29.32 171.73 1.95	30.32 108.61 2.54

Corn Silage on Cash Rent

	Avg. Of All Farms
Number of farms	23
Acres Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Crop insurance per acre Gross return per acre	95.90 13.89 100.00 28.95 402.03 3.79 405.82
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	72.77 80.24 25.30 15.19 19.43 32.07 35.01 63.42 6.85 0.31 350.61 55.21
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	16.14 6.24 4.05 2.75 1.45 3.49 30.59 3.82 68.53 419.14 -13.32
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	16.49 3.17 22.30 -19.13
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	25.25 30.18 28.72 30.33
Net value per unit Machinery cost per acre Est. labor hours per acre	28.95 123.88 1.84

CRP on Owned Land

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	41	8	8	9
Acres	146.20	97.64	153.80	198.70
Yield per acre (\$)	44.07	37.07	31.34	62.07
Operators share of yield %	100.00	100.00	100.00	100.00
Value per \$	1.00	1.00	1.00	1.00
Total product return per acre	44.07	37.07	31.34	62.07
Gross return per acre	44.07	37.07	31.34	62.07
Direct Expenses				
Crop chemicals	0.64	1.24	2.32	-
Fuel & oil	0.74	0.79	0.39	0.71
Repairs	1.31	1.64	0.47	1.83
Total direct expenses per acre	2.95	3.83	3.22	2.58
Return over direct exp per acre	41.12	33.24	28.11	59.49
Overhead Expenses				
Hired labor	0.49	0.71	0.32	0.11
RE & pers. property taxes	5.97	4.30	6.90	6.70
Farm insurance	1.56	0.70	0.11	4.47
Interest	8.37	27.74	2.60	4.00
Mach & bldg depreciation	1.97	1.96	1.11	1.61
Miscellaneous	0.66	0.61	0.19	0.92
Total overhead expenses per acre	19.02	36.01	11.23	17.81
Total dir & ovhd expenses per acre	21.97	39.84	14.45	20.39
Net return per acre	22.10	-2.77	16.88	41.68

Fallow on Owned Land

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	31	6	6	7
Acres	53.27	32.26	55.57	79.56
Yield per acre	0.00	0.00	0.00	0.00
Operators share of yield %	100.00	100.00	100.00	100.00
Value	-	-	-	-
Total product return per acre	-	-	-	-
Gross return per acre	-	-	-	-
Direct Expenses				
Seed	0.14	-	0.59	-
Crop chemicals	2.92	2.97	7.38	1.50
Crop insurance	0.23	1.99	-	-
Fuel & oil	6.76	10.73	6.79	2.25
Repairs	9.63	21.60	10.44	2.46
Operating interest	1.71	1.82	2.82	0.49
Miscellaneous	0.12	1.06	-	-
Total direct expenses per acre	21.51	40.15	28.03	6.70
Return over direct exp per acre	-21.51	-40.15	-28.03	-6.70
Overhead Expenses				
Custom hire	0.25	0.15	0.74	0.03
Hired labor	1.31	2.25	1.21	1.36
Machinery leases	0.52	0.70	0.02	0.81
RE & pers. property taxes	5.59	7.70	4.35	6.17
Farm insurance	2.09	3.34	2.03	0.97
Utilities	1.21	2.05	1.16	0.47
Dues & professional fees	0.98	2.45	0.68	0.07
Interest	10.29	22.40	13.30	5.96
Mach & bldg depreciation	13.69	23.12	13.02	4.03
Miscellaneous	1.73	6.90	1.70	0.28
Total overhead expenses per acre	37.67	71.06	38.21	20.13
Total dir & ovhd expenses per acre	59.18 50.18	111.21	66.24	26.83
Net return per acre	-59.18	-111.21	-66.24	-26.83

Flax on Owned Land

	Avg. Of All Farms
Number of farms	16
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre Other crop income per acre Gross return per acre	157.08 24.24 100.00 9.50 0.65 230.99 0.74 231.74
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	16.88 42.62 25.03 10.15 12.76 18.55 4.26 0.54 2.37 0.07 133.22 98.52
Overhead Expenses Custom hire 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	0.29 5.72 0.41 5.32 3.77 2.46 0.60 15.78 24.55 4.79 63.70 196.92 34.82
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	6.40 41.22 18.66 22.55
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	5.50 8.12 7.80 8.57
Net value per unit Machinery cost per acre Est. labor hours per acre	9.50 61.80 1.21

Flax on Cash Rent

	Avg. Of All Farms	Low 20%	<u>40 - 60%</u>	High 20%
Number of farms	26	5	5	6
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	241.62 21.75 100.00 9.42 204.77 0.00 5.85 0.46 211.09	277.94 17.69 100.00 9.10 161.02 - 0.42 - 161.44	347.76 18.41 100.00 9.29 171.03 - 12.67	236.25 31.30 100.00 10.64 332.88 0.01 9.97
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Land rent Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	18.19 43.64 21.76 12.39 11.24 18.16 5.57 43.32 0.32 5.18 0.33 180.09 30.99	23.11 52.20 22.67 14.39 9.56 19.34 5.50 50.41 1.47 8.97 0.60 208.22 -46.78	16.03 39.81 21.33 13.15 10.65 16.31 3.75 38.13 - 2.47 - 161.62 22.08	18.32 45.24 24.01 10.95 14.68 21.36 3.17 43.50 4.75 - 185.96 156.90
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	0.87 5.01 0.91 0.16 4.34 2.50 0.85 3.91 23.77 2.34 44.67 224.76 -13.67	2.74 8.25 1.43 0.63 3.62 2.41 0.62 8.47 27.09 2.69 57.95 266.17 -104.73	0.34 4.11 0.05 4.50 1.74 1.10 2.89 23.96 1.84 40.52 202.13 -18.43	6.58 0.64 5.11 2.80 1.16 2.59 28.56 2.37 49.81 235.77 107.09
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	6.84 -6.84 18.38 -25.21	6.38 -98.35 16.29 -114.64	5.95 -12.48 19.35 -31.83	9.76 116.85 19.06 97.79
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	8.28 10.33 9.73 10.57	11.77 15.04 14.66 15.58	8.78 10.98 9.97 11.02	5.94 7.53 6.90 7.51
Net value per unit Machinery cost per acre Est. labor hours per acre	9.42 63.13 1.09	9.10 73.67 1.02	9.29 55.97 1.16	10.64 69.54 1.13

Hay, Alfalfa on Owned Land

	Avg. Of All Farms	Low 20%	40 - 60%	<u> </u>
Number of farms	33	6	6	7
Acres	97.65	95.54	139.76	68.14
Yield per acre (ton)	1.94	0.92	2.12	2.83
Operators share of yield %	100.00	100.00	100.00	100.00
Value per ton	68.54	58.00	57.70	81.15
Total product return per acre	133.20	53.43	122.31	229.96
Crop insurance per acre	3.95	4.95	11.78	-
Other crop income per acre	0.09	0.52	-	-
Gross return per acre	137.24	58.91	134.09	229.96
Direct Expenses				
Fertilizer	4.92	0.33	0.79	7.05
Crop chemicals	0.17	-	0.65	-
Crop insurance	3.07	1.46	5.72	0.66
Fuel & oil	8.38	8.95	7.66	10.19
Repairs	14.33	14.96	15.49	16.01
Custom hire	2.33	0.34	0.67	0.37
Operating interest	2.07	1.58	0.82	4.33
Miscellaneous	0.20	0.68	0.19	-
Total direct expenses per acre	35.45	28.29	31.98	38.62
Return over direct exp per acre	101.78	30.61	102.11	191.34
Overhead Expenses				
Custom hire	0.36	1.10	0.14	0.00
Hired labor	4.21	3.88	7.16	3.23
Machinery leases	0.77	0.12	0.18	1.98
RE & pers. property taxes	4.42	6.08	2.82	4.05
Farm insurance	4.28	4.17	6.11	2.20
Utilities	2.83	2.90	2.53	3.68
Dues & professional fees	0.73	0.96	0.06	0.30
Interest	18.90	16.23	16.36	18.98
Mach & bldg depreciation	19.06	19.42	25.51	15.28
Miscellaneous	2.68	3.18	1.50	3.65
Total overhead expenses per acre	58.22	58.04	62.37	53.35
Total dir & ovhd expenses per acre	93.68	86.33	94.35	91.97
Net return per acre	43.56	-27.42	39.74	137.99
Government payments	11.63	5.51	14.67	21.79
Net return with govt pmts	55.19	-21.92	54.42	159.78
Labor & management charge	17.33	20.83	22.59	18.30
Net return over lbr & mgt	37.87	-42.75	31.83	141.48
Cost of Production				
Total direct expense per ton	18.24	30.71	15.08	13.63
Total dir & ovhd exp per ton	48.21	93.71	44.51	32.45
Less govt & other income	40.14	81.79	32.03	24.77
With labor & management	49.06	104.40	42.68	31.22
Net value per unit	68.54	58.00	57.70	81.15
Machinery cost per acre	45.00	45.25	47.52	45.35
Est. labor hours per acre	1.13	1.61	1.28	1.12

Hay, Alfalfa on Cash Rent

	Avg. Of _All Farms	Low 20%	<u>40 - 60%</u>	High 20%
Number of farms	35	7	7	7
Acres Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	118.16 2.51 100.00 93.84 235.17 7.97 0.56 243.69	68.77 1.42 100.00 69.06 97.79 3.35	55.23 2.22 100.00 63.29 140.32 2.69	160.74 3.41 100.00 124.89 425.98 - 2.04 428.02
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	1.68 10.40 0.26 3.78 12.50 22.11 1.75 48.18 4.66 0.02 105.34 138.35	4.87 0.77 0.98 12.37 22.99 0.82 38.41 9.42 0.15 90.78 10.35	2.91 0.82 6.08 6.93 12.52 47.69 2.27 79.24 63.77	12.49 27.81 61.60 4.95 106.85 321.17
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	0.51 7.90 4.53 0.19 3.85 2.67 1.51 3.18 23.51 2.89 50.73 156.07 87.62	5.32 3.35 0.06 4.85 4.80 3.74 5.57 27.50 5.35 60.52 151.30 -50.17	0.29 3.75 1.70 0.79 4.63 3.93 1.54 2.88 15.99 3.44 38.96 118.20 24.81	1.15 13.74 7.93 0.03 4.34 2.17 1.36 3.77 16.72 2.74 53.96 160.80 267.22
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	9.71 97.34 16.70 80.63	14.24 -35.93 25.61 -61.54	13.61 38.42 15.83 22.59	5.94 273.16 9.70 263.46
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	42.03 62.27 55.00 61.66	64.11 106.85 94.43 112.51	35.74 53.31 45.96 53.10	31.32 47.14 44.80 47.65
Net value per unit Machinery cost per acre Est. labor hours per acre	93.84 64.92 1.35	69.06 71.85 2.20	63.29 40.02 1.20	124.89 68.05 1.04

Hay, Grass on Owned Land

	Avg. Of			
	All Farms	Low 20%	40 - 60%	High 20%
Number of farms	30	6	6	6
Acres	146.94	112.49	116.68	171.78
Yield per acre (ton)	1.33	0.88	1.44	1.88
Operators share of yield %	100.00	100.00	100.00	100.00
Value per ton	39.59	40.73	38.08	39.66
Other product return per acre	0.17	-	1.08	-
Total product return per acre	52.63	35.84	55.93	74.37
Gross return per acre	52.63	35.84	55.93	74.37
Direct Expenses				
Fuel & oil	7.17	10.22	8.11	4.54
Repairs	15.04	16.27	13.38	16.02
Operating interest	1.98	3.22	3.34	0.43
Miscellaneous	0.69	0.06	0.84	0.88
Total direct expenses per acre	24.88	29.77	25.68	21.87
Return over direct exp per acre	27.75	6.07	30.25	52.50
Overhead Expenses				
Custom hire	0.42	1.23	0.13	0.50
Hired labor	3.42	1.43	2.80	1.21
Machinery leases	0.25	-	0.91	0.19
RE & pers. property taxes	2.79	4.78	2.54	2.48
Farm insurance	1.23	2.60	1.01	0.70
Utilities	1.09	1.61	0.70	1.18
Dues & professional fees	0.49	0.42	0.83	0.16
Interest	10.07	26.41	14.55	2.69
Mach & bldg depreciation	15.40	24.36	16.32	15.47
Miscellaneous	1.36	1.05	0.42	0.61
Total overhead expenses per acre	36.53	63.90	40.21	25.19
Total dir & ovhd expenses per acre	61.41	93.67	65.89	47.06
Net return per acre	-8.78	-57.83	-9.96	27.31
Government payments	-	-	-	-
Net return with govt pmts	-8.78	-57.83	-9.96	27.31
Labor & management charge	12.64	14.41	10.68	18.22
Net return over lbr & mgt	-21.42	-72.24	-20.64	9.09
Cost of Production				
Total direct expense per ton	18.78	33.83	17.82	11.66
Total dir & ovhd exp per ton	46.34	106.46	45.74	25.10
Less govt & other income	46.21	106.46	44.99	25.10
With labor & management	55.75	122.83	52.40	34.81
Net value per unit	39.59	40.73	38.08	39.66
Machinery cost per acre	38.36	53.86	39.75	36.18
Est. labor hours per acre	1.04	1.07	0.76	1.23

Hay, Grass on Cash Rent

	Avg. Of			
	<u>All Farms</u>	Low 20%	<u>40 - 60%</u>	<u>High 20%</u>
Number of farms	46	9	9	10
Acres	236.75	132.34	355.55	145.35
Yield per acre (ton)	1.22	0.63	1.19	1.59
Operators share of yield %	100.00	100.00	100.00	100.00
Value per ton	46.15	44.91	39.93	58.59
Total product return per acre	56.46	28.49	47.66	93.28
Gross return per acre	56.46	28.49	47.66	93.28
Direct Expenses				
Fuel & oil	7.33	7.99	5.91	5.91
Repairs	12.80	11.39	11.24	10.91
Custom hire	0.27	-	-	1.65
Land rent	15.38	16.01	14.21	13.75
Operating interest	1.82	2.62	1.03	0.88
Miscellaneous	1.25	-	2.03	0.02
Total direct expenses per acre	38.85	38.02	34.42	33.13
Return over direct exp per acre	17.61	-9.52	13.24	60.15
Overhead Expenses				
Custom hire	0.73	1.37	0.20	0.16
Hired labor	4.20	5.21	3.76	0.41
Machinery leases	0.51	0.89	1.08	0.02
Farm insurance	1.17	1.92	1.03	1.08
Utilities	1.07	0.83	1.01	0.64
Dues & professional fees	0.54	0.80	0.25	0.65
Interest	1.05	0.52	1.28	0.60
Mach & bldg depreciation	14.10	30.45	10.14	10.42
Miscellaneous	1.86	1.48	0.56	2.56
Total overhead expenses per acre	25.23	43.46	19.30	16.55
Total dir & ovhd expenses per acre	64.08	81.48	53.72	49.68
Net return per acre	-7.63	-52.99	-6.06	43.60
Government payments	0.07	0.07	-	-
Net return with govt pmts	-7.56	-52.91	-6.06	43.60
Labor & management charge	10.52	13.89	9.16	8.34
Net return over lbr & mgt	-18.08	-66.81	-15.21	35.26
Cost of Production				
Total direct expense per ton	31.76	59.91	28.83	20.81
Total dir & ovhd exp per ton	52.39	128.41	45.00	31.20
Less govt & other income	52.34	128.30	45.00	31.20
With labor & management	60.94	150.20	52.67	36.44
Net value per unit	46.15	44.91	39.93	58.59
Machinery cost per acre	36.16	51.49	29.62	29.43
Est. labor hours per acre	0.88	0.65	0.84	0.53
•				

Hay, Mixed Alfalfa/Grass on Owned Land

	Avg. Of			
	<u>All Farms</u>	Low 20%	<u>40 - 60%</u>	<u>High 20%</u>
Number of farms	40	8	8	8
Acres	130.09	169.37	98.73	91.29
Yield per acre (ton)	1.69	1.26	1.74	2.24
Operators share of yield %	100.00	100.00	100.00	100.00
Value per ton Other product return per acre	52.69 0.58	46.36 2.21	45.44	55.82
Total product return per acre	89.85	60.74	79.13	124.81
Crop insurance per acre	0.56	-	-	0.01
Gross return per acre	90.42	60.74	79.13	124.82
Direct Expenses				
Seed	0.70	2.70	-	-
Fertilizer	3.66	5.17	-	8.48
Crop insurance	1.62 7.35	1.30	9.00	2.58
Fuel & oil Repairs	7.35 13.47	8.00 15.30	8.00 12.83	6.17 10.30
Custom hire	4.29	1.55	12.05	10.30
Operating interest	2.84	1.85	2.93	2.03
Miscellaneous	0.08	-	-	0.09
Total direct expenses per acre	34.02	35.87	23.76	29.65
Return over direct exp per acre	56.40	24.87	55.37	95.17
Overhead Expenses				
Custom hire	0.84	2.76	0.01	0.39
Hired labor	3.12	5.48	1.44	2.06
RE & pers. property taxes Farm insurance	3.86 3.49	4.23 4.43	3.40 3.89	3.58 2.44
Utilities	2.90	3.10	2.87	2.09
Dues & professional fees	0.88	0.92	1.50	0.49
Interest	13.41	11.95	15.97	11.13
Mach & bldg depreciation	11.97	12.85	15.37	8.92
Miscellaneous	3.53	2.62	2.15	1.10
Total overhead expenses per acre	43.99	48.33	46.59	32.19
Total dir & ovhd expenses per acre	78.00	84.20	70.35	61.84
Net return per acre	12.41	-23.46	8.78	62.98
Government payments	4.63	2.90	8.79	0.07
Net return with govt pmts	17.04	-20.56	17.56	63.05
Labor & management charge	15.78	14.97	20.63 -3.06	11.32 51.72
Net return over lbr & mgt	1.26	-35.53	-3.06	51.72
Cost of Production				
Total direct expense per ton	20.08	28.41	13.65	13.26
Total dir & ovhd exp per ton	46.04 42.64	66.69 62.64	40.40 35.36	27.66 27.63
Less govt & other income With labor & management	42.64 51.95	74.50	35.36 47.20	32.69
<u>-</u>				
Net value per unit	52.69	46.36	45.44	55.82
Machinery cost per acre	39.51	42.23	38.55	28.46
Est. labor hours per acre	1.04	1.10	1.04	0.86

Hay, Mixed Alfalfa/Grass on Cash Rent

	Avg. Of			
	<u>All Farms</u>	<u>Low 20%</u>	<u>40 - 60%</u>	<u>High 20%</u>
Number of farms	46	9	9	10
Acres	170.68	157.10	174.05	67.29
Yield per acre (ton)	1.57	1.26	1.52	2.06
Operators share of yield %	100.00	100.00	100.00	100.00
Value per ton	50.16	44.12	48.25	55.10
Total product return per acre	78.74	55.39	73.38	113.45
Crop insurance per acre	0.01	0.04	-	-
Other crop income per acre	0.44	- 	70.00	5.17
Gross return per acre	79.19	55.43	73.38	118.63
Direct Expenses	4.40	7.07		
Fertilizer	1.43	7.07	-	- 0.00
Crop insurance	1.50	6.67	1.32	0.23
Fuel & oil	7.40	8.19	6.06	6.63
Repairs	11.84	12.40	9.05	10.40
Custom hire Land rent	0.61 23.92	1.27 25.34	0.78 24.32	23.10
Operating interest	23.92	1.43	3.37	23.10
Miscellaneous	0.99	1.43	1.05	2.54
Total direct expenses per acre	49.76	62.38	45.96	42.91
Return over direct exp per acre	29.42	-6.95	27.42	75.71
Overhead Expenses				
Custom hire	0.44	1.01	0.00	1.34
Hired labor	1.74	0.95	1.50	1.26
Farm insurance	3.04	4.05	2.71	2.64
Utilities	2.12	2.12	1.79	1.42
Dues & professional fees	0.79	0.68	0.96	0.71
Interest	2.38	2.31	2.63	3.58
Mach & bldg depreciation	12.13	14.16	11.04	8.22
Miscellaneous	4.47	2.62	4.36	4.78
Total overhead expenses per acre	27.11	27.90	24.99	23.96
Total dir & ovhd expenses per acre	76.87	90.28	70.95	66.87
Net return per acre	2.31	-34.85	2.43	51.76
Government payments	6.24	4.60	0.78	1.31
Net return with govt pmts	8.56	-30.25	3.21	53.07
Labor & management charge	12.83	15.24	13.84	10.35
Net return over lbr & mgt	-4.28	-45.49	-10.63	42.72
Cost of Production				
Total direct expense per ton	31.70	49.69	30.22	20.84
Total dir & ovhd exp per ton	48.98	71.91	46.65	32.47
Less govt & other income	44.71	68.21	46.14 55.24	29.32
With labor & management	52.89	80.35	55.24	34.35
Net value per unit	50.16	44.12	48.25	55.10
Machinery cost per acre	34.21	38.31	29.58	30.06
Est. labor hours per acre	0.89	1.08	1.20	0.70

Hay, Small Grain on Owned Land

	Avg. Of _All Farms	Low 20%	40 - 60%	High 20%
				-
Number of farms	32	6	7	7
Acres	78.62	63.28	100.59	57.70
Yield per acre (ton)	2.23	1.83	2.12	2.94
Operators share of yield % Value per ton	100.00 55.16	100.00 47.94	100.00 49.19	100.00 61.81
Other product return per acre	0.74	-		4.61
Total product return per acre	123.77	87.69	104.32	186.29
Other crop income per acre	0.21	-	-	-
Gross return per acre	123.98	87.69	104.32	186.29
Direct Expenses				
Seed	21.74	20.11	19.19	14.30
Fertilizer	31.59	31.39	33.03	29.76
Crop chemicals	9.92 3.69	12.02 0.15	10.67 7.13	4.73 4.77
Crop insurance Fuel & oil	8.05	8.42	6.66	8.04
Repairs	15.17	18.40	12.33	12.48
Custom hire	3.72	9.99	2.96	-
Operating interest	2.01	2.42	1.38	2.71
Miscellaneous	0.63	-	-	
Total direct expenses per acre	96.50	102.90	93.37	76.79
Return over direct exp per acre	27.49	-15.21	10.96	109.50
Overhead Expenses				
Custom hire	0.77	5.05	- 0.04	0.04
Hired labor Machinery leases	2.99 0.60	6.11 1.69	2.01 0.12	0.65 0.24
RE & pers. property taxes	4.40	5.95	2.94	2.53
Farm insurance	3.73	5.14	2.66	3.61
Utilities	2.97	7.06	1.62	2.25
Dues & professional fees	0.83	0.33	1.19	0.63
Interest	12.76	12.44	9.16	15.29
Mach & bldg depreciation Miscellaneous	14.62 5.40	17.73 11.45	11.74 3.42	11.93 6.62
Total overhead expenses per acre	49.04	72.93	34.84	43.78
Total dir & ovhd expenses per acre	145.54	175.83	128.21	120.57
Net return per acre	-21.56	-88.15	-23.89	65.72
Government payments	12.17	16.26	16.55	6.07
Net return with govt pmts	-9.38	-71.89	-7.33	71.80
Labor & management charge	16.35	26.89	14.15	13.31
Net return over lbr & mgt	-25.74	-98.78	-21.48	58.49
Cost of Production				
Total direct expense per ton	43.26	56.26	44.02	26.12
Total dir & ovhd exp per ton	65.25	96.13	60.45	41.02
Less govt & other income	59.37 66.70	87.24 101.05	52.64 50.33	37.39
With labor & management	66.70	101.95	59.32	41.91
Net value per unit	55.16	47.94	49.19	61.81
Machinery cost per acre	44.08	59.32	34.38	37.14
Est. labor hours per acre	1.24	2.11	0.89	1.11

Hay, Small Grain on Cash Rent

	Avg. Of _All Farms	Low 20%	40 - 60%	<u> High 20%</u>
Number of farms	27	5	6	6
Acres	71.25	94.80	71.12	54.61
Yield per acre (ton)	2.45	2.57	2.34	3.04
Operators share of yield %	100.00	100.00	100.00	100.00
Value per ton	54.04	48.16	57.39	57.35
Total product return per acre	132.66	123.80	134.10	174.60
Crop insurance per acre	2.60	-	11.72	-
Other crop income per acre	0.84	400.00	445.00	4.94
Gross return per acre	136.10	123.80	145.82	179.54
Direct Expenses				
Seed	19.67	33.37	17.76	9.24
Fertilizer	28.51	40.88	38.99	20.62
Crop chemicals	9.49	6.70	13.41	4.68
Crop insurance	5.00	1.30	5.08	15.05
Fuel & oil	9.76	10.44	10.15	10.48
Repairs	15.19 7.34	14.13 19.31	15.69 4.51	14.61 4.38
Custom hire Land rent	41.60	53.07	38.06	31.41
Operating interest	2.94	1.22	2.38	2.60
Miscellaneous	0.40	1.62	2.30	2.00
Total direct expenses per acre	139.88	182.03	146.03	113.07
Return over direct exp per acre	-3.78	-58.23	-0.21	66.46
Overhead Expenses				
Custom hire	0.66	_	-	2.16
Hired labor	4.59	8.41	2.95	1.39
Machinery leases	0.54	1.51	0.01	0.00
Farm insurance	3.87	4.29	3.37	3.07
Utilities	2.85	2.45	3.27	0.86
Dues & professional fees	1.34	2.38	0.60	1.35
Interest	2.95	1.88	3.01	2.75
Mach & bldg depreciation	15.08	17.75	14.65	12.54
Miscellaneous	6.25	5.84	6.34	4.97
Total overhead expenses per acre	38.12	44.50	34.22	29.08
Total dir & ovhd expenses per acre	178.00	226.53	180.25	142.15
Net return per acre	-41.90	-102.74	-34.42	37.38
Government payments	12.30	20.43	12.97	11.77
Net return with govt pmts	-29.60	-82.31	-21.45	49.16
Labor & management charge	15.98	16.63	10.98	18.98
Net return over lbr & mgt	-45.58	-98.94	-32.43	30.17
Cost of Production				
Total direct expense per ton	56.98	70.82	62.50	37.14
Total dir & ovhd exp per ton	72.51	88.13	77.14	46.69
Less govt & other income	66.10	80.18	66.57	41.20
With labor & management	72.61	86.66	71.27	47.44
Net value per unit	54.04	48.16	57.39	57.35
Machinery cost per acre	50.60	63.67	46.67	46.81
Est. labor hours per acre	1.23	1.09	0.92	1.40

Oats on Owned Land

	Avg. Of <u>All Farms</u>
Number of farms	9
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	82.76 63.83 100.00 2.21 10.01 151.04 10.97 5.78 167.80
Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Total direct expenses per acre Return over direct exp per acre	8.45 36.84 11.04 12.71 10.41 17.46 8.36 7.00 112.28 55.51
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	5.53 2.56 0.22 4.41 2.19 1.63 1.62 25.62 14.40 3.51 61.69 173.98 -6.18
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	15.18 9.00 14.94 -5.94
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	1.76 2.73 2.07 2.30
Net value per unit Machinery cost per acre Est. labor hours per acre	2.21 55.10 1.31

Oats on Cash Rent

	Avg. Of <u>All Farms</u>
Number of farms	10
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	90.14 82.55 100.00 2.49 8.25 213.92 5.22 4.98 224.12
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	9.96 46.13 9.94 9.46 10.63 16.34 4.14 49.10 5.67 161.37 62.75
Overhead Expenses Custom hire 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	2.36 4.57 3.15 3.48 1.84 1.98 3.15 18.10 2.60 41.23 202.61 21.52
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	17.32 38.84 18.02 20.81
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	1.95 2.45 2.02 2.24
Net value per unit Machinery cost per acre Est. labor hours per acre	2.49 56.60 1.31

Pasture on Owned Land

	Avg. Of _All Farms	Low 20%	40 - 60%	High 20%
Number of farms	92	18	19	19
Acres	671.91	377.47	836.51	981.07
Yield per acre (aum)	0.88	0.65	0.74	1.18
Operators share of yield %	100.00	100.00	100.00	100.00
Value per aum	24.70	19.36	20.33	30.48
Other product return per acre	0.02	-	-	-
Total product return per acre	21.77	12.50	14.99	35.92
Crop insurance per acre	0.14	-	0.21	-
Other crop income per acre	0.11	-	-	0.35
Gross return per acre	22.02	12.50	15.20	36.27
Direct Expenses				
Fuel & oil	0.44	0.75	0.37	0.45
Repairs	0.86	0.97	0.67	1.08
Total direct expenses per acre	1.82	2.10	1.72	2.10
Return over direct exp per acre	20.20	10.41	13.48	34.17
Overhead Expenses				
RE & pers. property taxes	2.11	2.64	2.07	1.98
Farm insurance	0.35	0.28	0.29	0.54
Interest	7.60	15.60	4.08	10.60
Mach & bldg depreciation	0.86	1.53	0.56	1.04
Miscellaneous	0.77	0.61	0.55	1.01
Total overhead expenses per acre	11.70	20.67	7.56	15.17
Total dir & ovhd expenses per acre	13.52	22.76	9.27	17.27
Net return per acre	8.50	-10.26	5.93	19.00

Pasture on Cash Rent

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	110	22	22	22
Acres	1,056.52	651.23	1,344.55	900.10
Yield per acre (aum)	0.81	0.80	0.67	1.14
Operators share of yield %	100.00	100.00	100.00	100.00
Value per aum	21.26	19.43	22.52	23.15
Other product return per acre	0.01	0.06	-	-
Total product return per acre	17.24	15.56	15.10	26.31
Crop insurance per acre	0.20	-	0.36	0.35
Other crop income per acre	0.02	-	-	-
Gross return per acre	17.47	15.56	15.46	26.66
Direct Expenses				
Fuel & oil	0.50	0.97	0.35	0.44
Repairs	0.75	1.30	0.63	0.64
Land rent	14.10	20.48	13.60	11.79
Total direct expenses per acre	15.91	23.43	15.30	13.36
Return over direct exp per acre	1.56	-7.87	0.16	13.30
Overhead Expenses				
Farm insurance	0.23	0.60	0.11	0.16
Mach & bldg depreciation	0.92	2.35	0.46	0.91
Miscellaneous	0.72	1.46	0.66	0.66
Total overhead expenses per acre	1.87	4.41	1.23	1.74
Total dir & ovhd expenses per acre	17.77	27.85	16.52	15.10
Net return per acre	-0.30	-12.29	-1.07	11.56

Peas, Field on Owned Land

	Avg. Of <u>All Farms</u>
Number of farms	13
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Crop insurance per acre Gross return per acre	148.98 39.39 100.00 6.79 267.35 34.52 301.87
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	42.68 18.65 43.00 11.69 15.14 23.18 4.76 0.69 4.88 0.62 165.30 136.57
Overhead Expenses Custom hire 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	2.81 9.55 1.36 5.49 4.61 3.50 0.79 20.60 31.00 3.65 83.36 248.66 53.22
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	7.10 60.32 22.76 37.56
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	4.20 6.31 5.26 5.83
Net value per unit Machinery cost per acre Est. labor hours per acre	6.79 80.36 1.37

Peas, Field on Cash Rent

	Avg. Of All Farms
Number of farms	19
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	249.09 40.47 100.00 7.96 322.31 22.67 1.98 346.96
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	37.72 10.45 39.37 14.15 13.76 20.12 5.12 50.24 4.11 0.85 195.88 151.08
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	1.38 10.84 3.41 0.28 4.23 3.10 1.23 2.48 32.08 3.08 62.11 257.98 88.98
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	9.89 98.87 21.29 77.58
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	4.84 6.37 5.52 6.05
Net value per unit Machinery cost per acre Est. labor hours per acre	7.96 76.51 1.35

Prevented planting on Owned Land

	Avg. Of <u>All Farms</u>	<u>Low 20%</u>	<u>40 - 60%</u>	<u> High 20%</u>
Number of farms	28	5	5	6
Acres	59.93	82.01	55.80	55.03
Yield per acre Operators share of yield %	100.00	100.00	100.00	100.00
Value	-	-	-	-
Total product return per acre Crop insurance per acre	130.37	- 57.54	- 128.87	- 298.24
Other crop income per acre	-	-	-	-
Gross return per acre	130.37	57.54	128.87	298.24
Direct Expenses				
Seed	0.73	- 	-	3.70
Fertilizer	3.26	7.75	-	6.94
Crop chemicals	3.21 14.95	9.45 12.89	18.66	1.20 17.90
Crop insurance Fuel & oil	4.99	4.98	5.64	6.21
Repairs	6.99	7.13	5.05	6.98
Custom hire	1.10	7.19	J.05	3.42
Operating interest	1.46	1.08	1.31	1.41
Miscellaneous	0.09	-	-	-
Total direct expenses per acre	36.78	43.29	30.66	47.75
Return over direct exp per acre	93.59	14.25	98.21	250.49
Overhead Expenses				
Hired labor	2.35	0.70	2.51	3.44
Machinery leases	0.53	0.05	0.59	1.31
RE & pers. property taxes	6.71	7.65	7.42	9.59
Farm insurance	3.82	4.87	3.15	3.29
Utilities	2.59 1.59	2.80 1.07	3.15 2.37	2.44 2.79
Dues & professional fees Interest	21.41	17.65	23.00	34.07
Mach & bldg depreciation	11.68	18.35	13.37	10.25
Miscellaneous	3.35	3.30	7.25	1.76
Total overhead expenses per acre	54.04	56.44	62.80	68.94
Total dir & ovhd expenses per acre	90.82	99.72	93.46	116.69
Net return per acre	39.55	-42.18	35.41	181.55
Government payments	11.25	9.40	20.20	16.52
Net return with govt pmts	50.80	-32.79	55.60	198.07
Labor & management charge	9.50	7.83	8.06	15.06
Net return over lbr & mgt	41.31	-40.61	47.54	183.01
Machinery cost per acre	27.09	32.57	27.35	29.32
Est. labor hours per acre	0.56	0.39	0.58	0.91

Prevented planting on Cash Rent

	Avg. Of _All Farms	Low 20%	40 - 60%	High 20%
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Number of farms	46	9	9	10
Acres	123.14	146.28	152.27	70.45
Yield per acre Operators share of yield % Value	100.00	100.00	100.00	100.00
Total product return per acre Crop insurance per acre	- 152.78	- 82.74	- 179.22	- 255.97
Other crop income per acre Gross return per acre	- 152.78	82.74	- 179.67	- 255.97
Direct Expenses				
Seed	2.83	4.32	1.92	4.92
Fertilizer	6.10	17.06	7.65	1.66
Crop chemicals	3.06	4.20	3.86	1.33
Crop insurance	12.83	6.15	16.16	11.78
Fuel & oil	4.48	3.59	5.28	4.61
Repairs	8.25	8.16	7.18	5.76
Custom hire	0.42	0.40	-	1.08
Land rent	76.74	56.39	85.46	102.86
Operating interest	2.08	2.98	1.21	0.94
Miscellaneous	0.54	102.25	400.70	0.06
Total direct expenses per acre	117.32 35.46	103.25	128.73	135.01
Return over direct exp per acre	33.40	-20.51	50.95	120.96
Overhead Expenses				
Custom hire	0.49	1.36	0.10	0.08
Hired labor	2.87	5.24	2.52	1.06
Machinery leases	1.44	2.10	0.77	0.01
Farm insurance	3.74	3.68	4.38	5.10
Utilities	1.90	1.09	1.75	2.36
Dues & professional fees	1.73	0.78	1.00	1.85
Interest	2.65	5.60	1.31	2.24
Mach & bldg depreciation	10.92	8.49	17.85	9.93
Miscellaneous	2.05 27.80	3.93 32.27	0.67 30.36	1.90 24.54
Total overhead expenses per acre Total dir & ovhd expenses per acre	145.13	135.52	159.09	159.55
Net return per acre	7.65	-52.78	20.59	96.42
Government payments	11.51	5.38	16.08	13.57
Net return with govt pmts	19.16	-47.40	36.67	109.99
Labor & management charge	7.83	3.74	10.20	7.33
Net return over lbr & mgt	11.33	-51.14	26.47	102.66
Machinery cost per acre	28.51	28.65	32.37	23.28
Est. labor hours per acre	0.50	0.35	0.62	0.46
•	5.55	3.33	5.52	5.10

Soybeans on Owned Land

	Avg. Of _All Farms	Low 20%	40 - 60%	High 20%
				-
Number of farms	140	28	28	28
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	283.93 32.43 100.00 8.32 269.91 0.42 15.26 0.20 285.79	201.41 26.35 100.00 8.10 213.55 0.65 17.36	313.78 31.51 100.00 8.31 261.86 0.48 14.87 0.43 277.64	292.52 41.03 100.00 8.31 341.01 32.80
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	69.27 11.87 24.92 16.69 13.12 20.50 4.46 0.88 3.96 0.39 166.08 119.71	71.78 20.30 24.15 19.03 13.03 22.69 6.00 0.50 5.99 0.47 183.96 47.60	77.16 12.65 25.25 17.35 13.53 19.77 4.96 0.30 2.51 0.36 173.83 103.81	65.05 5.16 27.65 19.46 11.61 16.78 0.54 0.27 4.19 0.55 151.27 222.54
Overhead Expenses Custom hire 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	0.65 8.28 2.20 10.46 5.94 3.97 1.98 23.54 32.94 4.61 94.57 260.64 25.14	1.70 7.28 2.44 8.68 7.00 5.82 2.06 43.64 30.79 9.00 118.41 302.37 -70.81	0.34 11.78 0.22 12.78 5.22 3.78 1.72 15.55 36.43 4.40 92.23 266.06 11.57	0.60 7.11 3.85 13.94 7.09 4.22 2.99 27.93 39.37 3.75 110.85 262.12
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	14.21 39.35 22.97 16.38	19.28 -51.53 24.06 -75.60	11.67 23.24 23.54 -0.30	17.36 129.06 24.55 104.51
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	5.12 8.04 7.11 7.82	6.98 11.48 10.06 10.97	5.52 8.44 7.57 8.32	3.69 6.39 5.17 5.76
Net value per unit Machinery cost per acre Est. labor hours per acre	8.34 76.38 1.24	8.13 78.54 1.39	8.33 75.83 1.23	8.31 74.53 1.15

Soybeans on Cash Rent

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	223	44	44	45
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	680.16	743.65	729.91	474.74
	32.64	29.47	33.07	38.92
	100.00	100.00	100.00	100.00
	8.30	8.21	8.25	8.46
	270.88	242.03	272.84	329.42
	0.19	-	-	0.11
	12.94	8.09	10.64	29.16
	0.41	-	0.10	2.07
	284.42	250.12	283.58	360.77
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Land rent Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	66.24 13.39 25.19 15.65 13.15 20.58 3.32 0.08 80.38 0.49 4.69 0.51 243.68 40.74	70.76 18.90 27.16 15.56 16.43 27.39 3.83	68.53 11.36 25.05 16.89 13.55 20.24 3.34 - 73.01 0.69 3.42 0.17 236.25 47.34	65.65 10.61 27.11 16.58 11.91 17.28 2.21 0.53 87.45 0.33 3.29 1.29 244.25 116.52
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	0.69	0.54	1.10	0.66
	9.14	11.56	11.08	3.90
	3.87	7.51	1.65	2.05
	0.31	0.04	0.52	0.25
	5.20	5.21	4.80	5.86
	3.71	3.93	3.70	3.49
	2.20	1.93	3.29	1.98
	3.85	6.72	2.46	3.50
	32.26	34.90	32.24	34.61
	3.42	4.31	2.88	3.23
	64.64	76.65	63.71	59.51
	308.31	348.92	299.96	303.76
	-23.90	-98.80	-16.37	57.01
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	13.17	12.37	11.89	16.45
	-10.73	-86.42	-4.49	73.46
	22.19	20.68	22.21	28.08
	-32.92	-107.10	-26.70	45.38
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	7.47	9.24	7.14	6.28
	9.45	11.84	9.07	7.80
	8.63	11.14	8.39	6.58
	9.31	11.85	9.06	7.30
Net value per unit	8.31	8.21	8.25	8.47
Machinery cost per acre	76.22	95.73	73.79	69.07
Est. labor hours per acre	1.21	1.27	1.36	1.16

Soybeans on Share Rent

	Avg. Of			
	<u>All Farms</u>	<u>Low 20%</u>	<u>40 - 60%</u>	<u>High 20%</u>
Number of farms	41	8	8	9
Acres	241.90	244.70	213.02	235.78
Yield per acre (bu.)	32.79	26.34	29.25	37.01
Operators share of yield %	64.56	62.64	67.19	62.62
Value per bu.	8.35	8.16	8.24	8.44
Total product return per acre	176.72	134.60	161.85	195.63
Crop insurance per acre	4.41	5.35	3.27	11.28
Other crop income per acre	2.34	420.00	405.40	4.07
Gross return per acre	183.47	139.96	165.13	210.99
Direct Expenses				
Seed	62.42	88.52	61.50	47.72
Fertilizer	12.57	27.22	18.54	7.55
Crop chemicals	21.86	35.77	14.41	13.23
Crop insurance	12.40	19.30	8.99	11.62
Fuel & oil	11.49	11.99	11.58	9.71
Repairs	16.49	20.20	17.46	14.49
Custom hire	2.55 2.60	0.99 4.09	3.43 5.00	0.59 2.28
Operating interest Miscellaneous	3.85	4.09	0.28	7.99
Total direct expenses per acre	146.24	208.09	141.19	115.18
Return over direct exp per acre	37.24	-68.13	23.94	95.82
Overhead Expenses				
Custom hire	1.16	0.44	1.65	3.37
Hired labor	4.82	3.91	5.20	2.44
Machinery leases	1.50	2.86	2.77	0.06
Farm insurance	4.84	5.36	3.64	4.19
Utilities	3.59	1.93	2.70	5.45
Dues & professional fees	1.03	1.76	0.87	0.54
Interest	2.53	4.18	1.67	2.77
Mach & bldg depreciation	35.58	35.90	24.00	22.93
Miscellaneous	3.60	5.93	3.18	1.68
Total overhead expenses per acre	58.66	62.27	45.68	43.44
Total dir & ovhd expenses per acre	204.89	270.35	186.86	158.61
Net return per acre	-21.42	-130.39	-21.74	52.38
Government payments	6.41	7.87	3.13	3.32
Net return with govt pmts	-15.01	-122.52	-18.61	55.69
Labor & management charge	21.57	17.89	21.60	20.98
Net return over lbr & mgt	-36.58	-140.41	-40.21	34.72
Cost of Production				
Total direct expense per bu.	6.91	12.61	7.18	4.97
Total dir & ovhd exp per bu.	9.68	16.39	9.51	6.85
Less govt & other income	9.06	15.58	9.18	6.04
With labor & management	10.08	16.67	10.28	6.94
Net value per unit	8.35	8.16	8.24	8.44
Machinery cost per acre	69.50	74.65	61.47	52.69
Est. labor hours per acre	1.09	0.88	1.11	1.13

Soybeans, Food on Cash Rent

	Avg. Of All Farms
Number of farms	11
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	268.83 34.53 100.00 10.47 361.41 5.67 2.00 369.08
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Land rent Operating interest Total direct expenses per acre Return over direct exp per acre	40.12 7.41 38.07 15.73 12.17 20.70 7.60 3.55 125.11 4.05 274.52 94.57
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	1.02 5.31 3.28 0.58 6.42 4.63 4.25 4.15 28.69 3.25 61.58 336.10 32.99
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	20.60 53.59 30.53 23.05
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	7.95 9.73 8.92 9.80
Net value per unit Machinery cost per acre Est. labor hours per acre	10.47 76.21 1.28

Sugar Beets on Owned Land

	Avg. Of All Farms
Number of farms	15
Acres Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	141.60 21.60 100.00 51.54 1,113.27 2.78 17.76 1,133.80
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Stock/quota lease Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	202.46 130.28 73.10 34.21 56.24 100.79 12.76 25.14 44.55 10.55 0.77 690.83 442.97
Overhead Expenses Custom hire 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	6.03 47.58 11.30 2.91 23.83 10.37 5.91 3.76 60.07 118.17 7.18 297.12 987.96 145.85
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	24.34 170.19 88.06 82.13
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	31.98 45.74 43.66 47.74
Net value per unit Machinery cost per acre Est. labor hours per acre	51.54 308.44 4.57

Sugar Beets on Cash Rent

	Avg. Of All Farms
Number of farms	19
Acres Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	238.35 20.93 100.00 52.22 1,092.80 5.22 16.81 1,114.83
Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Land rent Stock/quota lease Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	198.41 115.87 78.99 31.32 54.34 94.54 4.64 26.30 136.90 90.87 13.42 1.12 846.72 268.11
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	8.46 49.31 9.84 2.50 10.18 5.56 3.47 6.07 105.40 3.96 204.75 1,051.47 63.36
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	17.56 80.93 78.62 2.31
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	40.46 50.24 48.35 52.11
Net value per unit Machinery cost per acre Est. labor hours per acre	52.22 281.01 4.09

Sunflowers on Owned Land

	Avg. Of All Farms
Number of farms	23
Acres 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	151.35 15.50 100.00 18.63 288.68 9.60 1.26 299.55
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	37.41 50.31 32.25 14.36 13.61 23.71 12.36 0.14 5.33 0.91 190.41 109.14
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	3.16 6.68 1.32 5.44 4.19 2.67 19.20 26.33 4.55 73.54 263.95 35.60
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	8.46 44.05 22.48 21.58
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	12.29 17.03 15.79 17.24
Net value per unit Machinery cost per acre Est. labor hours per acre	18.63 80.55 1.28

Sunflowers on Cash Rent

	Avg. Of All Farms	Low 20%	40 - 60%	<u> High 20%</u>
Number of farms	44	8	9	9
Acres 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	319.51 16.17 100.00 19.20 310.55 4.71 1.37 316.63	287.11 12.58 100.00 16.62 209.06 12.15	299.29 16.60 100.00 19.39 321.91 7.13 3.95 332.99	332.15 19.97 100.00 19.45 388.52 - 2.88 391.40
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	34.77	40.06	38.38	33.87
	53.72	62.28	54.02	49.53
	35.07	41.04	39.50	34.03
	14.17	14.71	17.60	12.98
	13.38	13.10	15.71	11.73
	19.06	22.18	24.31	16.17
	8.43	4.55	8.33	6.13
	55.03	60.18	47.01	68.60
	5.84	9.89	6.33	4.84
	1.20	0.09	2.41	1.11
	240.67	268.09	253.61	238.99
	75.97	-46.88	79.38	152.41
Overhead Expenses Custom hire 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	1.51 5.74 3.15 3.63 2.51 0.90 2.45 30.27 3.30 53.47 294.14 22.50	1.18 1.99 2.95 3.79 2.53 1.96 4.04 32.33 3.05 53.80 321.89 -100.68	1.83 10.35 2.47 4.35 2.47 0.67 2.07 40.73 3.96 68.91 322.52 10.47	6.02 4.60 3.06 1.79 1.21 2.00 22.88 3.56 45.12 284.11 107.29
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	9.18	9.03	8.50	9.94
	31.68	-91.66	18.97	117.22
	23.42	23.47	23.57	27.62
	8.26	-115.13	-4.60	89.60
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	14.88	21.31	15.28	11.97
	18.19	25.59	19.43	14.22
	17.25	23.90	18.25	13.58
	18.69	25.77	19.67	14.97
Net value per unit	19.20	16.62	19.39	19.45
Machinery cost per acre	75.58	79.16	92.78	60.71
Est. labor hours per acre	1.54	3.27	1.24	1.37

Sunflowers, Confectionary on Cash Rent

	Avg. Of _All Farms
Number of farms	5
Acres 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	303.25 14.87 100.00 26.34 391.83 35.37 2.70 429.91
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	54.02 43.89 46.15 13.85 0.55 13.87 23.54 9.69 64.78 9.46 0.45 280.24 149.67
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	0.73 12.38 2.95 0.29 4.33 3.88 0.88 4.64 26.94 4.97 62.00 342.24 87.67
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	11.94 99.61 27.16 72.45
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	18.84 23.01 19.65 21.47
Net value per unit Machinery cost per acre Est. labor hours per acre	26.34 79.33 1.35

Wheat, Durum on Owned Land

	Avg. Of <u>All Farms</u>
Number of farms	8
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Other crop income per acre Gross return per acre	256.08 53.34 100.00 6.46 344.63 1.36 346.00
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	22.50 73.70 43.18 12.51 11.22 16.83 12.65 0.05 2.92 0.17 195.73 150.27
Overhead Expenses Custom hire 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	1.88 6.77 0.16 3.66 3.76 3.46 0.37 15.14 31.97 4.48 71.67 267.39 78.60
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	10.75 89.36 19.90 69.45
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management Net value per unit	3.67 5.01 4.79 5.16 6.46
Machinery cost per acre Est. labor hours per acre	75.01 1.78

Wheat, Durum on Cash Rent

	Avg. Of All Farms
Number of farms	13
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Crop insurance per acre Gross return per acre	650.66 54.27 100.00 6.94 376.46 5.18 381.64
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Land rent Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	31.76 72.59 44.78 14.44 11.66 15.99 9.26 50.12 0.67 3.77 0.45 255.49 126.16
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	8.32 0.93 3.91 2.49 2.28 3.58 27.75 2.33 51.59 307.08 74.57
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	8.15 82.72 19.47 63.25
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	4.71 5.66 5.41 5.77
Net value per unit Machinery cost per acre Est. labor hours per acre	6.94 68.08 1.16

Wheat, Spring on Owned Land

	Avg. Of			
	All Farms	Low 20%	<u>40 - 60%</u>	<u> High 20%</u>
Number of farms	152	30	31	31
Acres	283.30	226.38	305.86	284.52
Yield per acre (bu.)	55.24 100.00	46.53 100.00	55.11 100.00	63.61 100.00
Operators share of yield % Value per bu.	4.65	4.49	4.62	4.83
Other product return per acre	0.12	0.34	-	0.15
Total product return per acre	256.98	209.41	254.56	307.34
Hedging gains/losses per acre	0.72	-	0.98	- 44.00
Crop insurance per acre Other crop income per acre	6.96 0.45	5.61 0.90	3.96 1.40	11.26
Gross return per acre	265.11	215.91	260.90	318.60
Direct Expenses				
Seed	17.45	20.41	17.72	17.90
Fertilizer	66.84	69.47	65.41	62.16
Crop chemicals	30.73	34.67	33.33	29.87
Crop insurance Fuel & oil	14.60 12.39	17.88 13.66	14.61 13.23	12.24 13.21
Repairs	19.32	23.06	22.30	16.61
Custom hire	6.28	10.94	5.65	2.07
Operating interest	4.04	4.86	5.60	2.73
Miscellaneous	1.18	2.92	0.25	0.49
Total direct expenses per acre	172.82 92.29	197.87 18.04	178.09 82.81	157.28 161.33
Return over direct exp per acre	92.29	10.04	02.01	101.33
Overhead Expenses				
Custom hire	0.83	1.60	0.91	0.96
Hired labor Machinery leases	5.48 2.92	5.11 3.03	5.90 1.07	3.83 1.25
RE & pers. property taxes	6.28	6.96	6.39	6.81
Farm insurance	4.61	4.65	4.58	4.17
Utilities	3.05	2.76	2.79	3.16
Dues & professional fees	0.90	0.98	1.82	0.83
Interest Mach & bldg depreciation	19.38 29.64	38.68 25.47	17.51 32.12	13.47 30.90
Miscellaneous	3.88	25.47 3.75	32.12 4.07	3.86
Total overhead expenses per acre	76.97	92.99	77.17	69.23
Total dir & ovhd expenses per acre	249.79	290.87	255.26	226.51
Net return per acre	15.32	-74.95	5.64	92.09
Government payments	10.44	13.21	9.57	11.07
Net return with govt pmts	25.76	-61.75	15.21	103.16
Labor & management charge Net return over lbr & mgt	21.05 4.72	20.82 -82.56	20.92 -5.71	21.58 81.58
· ·	4.72	-02.50	-5.71	01.30
Cost of Production	3.13	4.25	3.23	2.47
Total direct expense per bu. Total dir & ovhd exp per bu.	3.13 4.52	4.25 6.25	3.23 4.63	3.56
Less govt & other income	4.18	5.82	4.34	3.21
With labor & management	4.56	6.27	4.72	3.55
Net value per unit	4.66	4.49	4.64	4.83
Machinery cost per acre	72.43	78.79	76.93	65.44
Est. labor hours per acre	1.21	1.18	1.43	1.07
•				_

Wheat, Spring on Cash Rent

	Avg. Of _All Farms	Low 20%	40 - 60%	High 20%
Number of farms	210	42	42	42
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	504.21 55.54 100.00 4.71 0.10 261.91 0.36 6.77 0.28 269.33	389.59 51.33 100.00 4.44 0.05 228.08 3.21 231.29	545.31 54.10 100.00 4.73 255.74 0.67 3.20 1.03 260.63	468.12 58.44 100.00 4.89 0.45 286.08 9.07
Direct Expenses Seed Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Land rent Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	18.22	23.70	17.56	17.10
	73.68	83.41	67.25	65.87
	32.45	33.39	32.13	29.27
	15.20	15.93	14.42	13.28
	11.68	11.89	12.03	11.48
	17.74	20.97	18.65	13.16
	4.87	6.43	9.23	2.37
	59.12	79.15	57.12	45.95
	0.36	0.40	0.94	0.04
	4.79	5.74	5.32	2.75
	0.91	1.63	0.84	0.60
	239.01	282.64	235.50	201.86
	30.31	-51.34	25.13	93.29
Overhead Expenses Custom hire 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	0.87	0.49	0.44	0.71
	6.92	7.96	7.29	4.95
	3.44	5.66	1.94	3.57
	4.20	5.50	4.22	3.48
	2.99	3.07	2.85	2.53
	1.01	1.67	0.90	0.71
	3.13	3.08	3.02	2.15
	29.11	30.41	27.96	26.97
	3.96	3.06	3.47	4.33
	55.64	60.91	52.08	49.40
	294.66	343.54	287.57	251.26
	-25.33	-112.25	-26.94	43.89
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	9.43	9.89	9.06	8.84
	-15.90	-102.36	-17.89	52.73
	20.63	21.68	19.63	21.70
	-36.53	-124.04	-37.51	31.02
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	4.30	5.51	4.35	3.45
	5.31	6.69	5.32	4.30
	5.00	6.44	5.06	3.99
	5.37	6.86	5.42	4.36
Net value per unit	4.72	4.44	4.74	4.89
Machinery cost per acre	69.34	78.03	72.39	58.28
Est. labor hours per acre	1.22	1.27	1.01	1.12

Wheat, Spring on Share Rent

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	40	8	8	<u>- 711911 2070</u> 8
				-
Acres	282.43	177.73	227.14	391.22
Yield per acre (bu.)	58.55	42.35	57.87	58.23
Operators share of yield %	65.57	69.24	70.00	64.94
Value per bu.	4.67	4.34	4.62	4.69
Total product return per acre	179.26	127.24	187.01	177.36
Crop insurance per acre	2.57	5.55	-	6.75
Other crop income per acre	0.87	-	0.51	-
Gross return per acre	182.71	132.78	187.52	184.11
Direct Expenses				
Seed	14.48	15.74	17.55	11.97
Fertilizer	58.57	49.96	71.47	46.22
Crop chemicals	28.00	26.31	25.63	28.28
Crop insurance	9.82	9.15	9.19	10.10
Fuel & oil	11.43	13.20	11.07	8.91
Repairs	18.86	21.94	20.55	13.56
Custom hire	4.35	7.35	4.50	2.03
Operating interest	3.07	3.25	6.18	2.62
Miscellaneous	3.09	4.00	0.42	4.42
Total direct expenses per acre	151.67	150.91	166.55	128.10
Return over direct exp per acre	31.04	-18.13	20.97	56.01
Overhead Expenses				
Custom hire	0.95	0.00	1.14	1.66
Hired labor	5.10	3.63	5.13	1.82
Machinery leases	1.58	0.66	1.72	3.52
Farm insurance	4.46	5.35	4.92	3.73
Utilities	2.86	2.84	2.78	2.60
	1.16	0.86	1.09	0.21
Dues & professional fees	2.65	2.64	3.68	1.27
Interest	30.17	32.90	24.14	18.79
Mach & bldg depreciation				
Miscellaneous	2.66	3.64	1.78	2.43
Total din 8 audid averages per acre	51.59	52.53	46.39	36.03
Total dir & ovhd expenses per acre	203.26	203.44	212.94	164.13
Net return per acre	-20.55	-70.66	-25.42	19.98
Government payments	4.83	14.12	3.35	2.96
Net return with govt pmts	-15.72	-56.53	-22.07	22.94
Labor & management charge	20.62	25.01	17.96	18.57
Net return over lbr & mgt	-36.34	-81.54	-40.03	4.37
Cost of Production				
Total direct expense per bu.	3.95	5.15	4.11	3.39
Total direct expense per bu. Total dir & ovhd exp per bu.	5.29	6.94	5.26	4.34
Less govt & other income	5.08	6.27	5.16	4.08
With labor & management	5.62	7.12	5.60	4.57
With labor & management	0.02	1.12	3.00	7.57
Net value per unit	4.67	4.34	4.62	4.69
Machinery cost per acre	68.52	77.95	65.52	48.63
Est. labor hours per acre	1.11	1.19	0.99	0.89

Wheat, Winter on Cash Rent

	Avg. Of All Farms
Number of farms	9
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre Crop insurance per acre Gross return per acre	155.85 43.76 100.00 3.87 0.36 169.62 0.17 169.79
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	13.47 78.73 28.40 14.25 14.25 17.96 8.94 59.84 4.27 240.11 -70.32
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	8.07 1.85 4.88 3.59 2.01 2.19 29.82 3.92 56.33 296.43 -126.64
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	10.84 -115.81 20.60 -136.41
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	5.49 6.77 6.51 6.98
Net value per unit Machinery cost per acre Est. labor hours per acre	3.87 71.40 1.29

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. Of All Farms		Low 2	0%	40 - 60	%	High 20%	
Number of farms			82		16		17	
Beef Calves sold (lb) Transferred out (lb) Cull sales Other income Purchased Transferred in Inventory change Gross margin	Quantity 31.71 68.29	Value 62.93 124.60 36.24 1.17 -35.34 -35.74 17.49 171.62	Quantity 22.65 77.35	Value 40.21 146.71 32.43 0.77 -42.36 -39.31 1.32 141.22	Quantity 39.72 60.28	Value 75.72 100.01 31.53 0.31 -27.78 -43.03 31.47 168.23	Quantity 30.93 69.07	Value 67.47 133.99 42.02 3.00 -33.54 -31.72 18.94 200.16
Direct Expenses Protein Vit Minerals (lb.) Creep / Starter (lb.) Complete Ration (lb.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Livestock leases Marketing Operating interest Total direct expenses Return over direct expense	16.08 18.47 52.59 366.45 95.64 972.06 1.35 73.09	4.88 1.47 1.90 5.44 2.87 23.26 25.73 3.51 5.68 2.42 4.65 8.25 2.59 0.24 1.08 1.94 95.91 75.71	10.60 27.23 647.13 126.71 1,031.90 1.55 33.55	3.74 0.37 9.13 4.66 24.72 31.75 2.94 6.35 1.86 4.68 8.62 2.55 1.32 1.70 1.83 106.23 34.99	15.97 11.33 32.80 317.14 158.72 966.38 1.27 41.48	5.29 1.19 1.60 4.43 4.39 21.83 23.76 1.25 7.43 5.11 4.57 10.10 2.69 1.06 3.11 97.82 70.41	7.43 21.78 79.14 357.13 59.15 876.62 1.41 74.45	2.79 1.97 2.63 5.90 1.81 21.96 24.12 2.44 4.30 2.44 4.56 6.70 1.78 0.75 1.66 85.82 114.33
Overhead Expenses Hired labor Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		2.62 2.33 2.22 2.26 7.97 3.25 20.64 116.55 55.07		1.67 2.51 1.73 2.52 8.82 2.63 19.88 126.11 15.11		2.92 2.98 2.67 2.37 8.06 3.77 22.77 120.59 47.64		3.78 1.98 2.36 1.67 6.98 3.34 20.10 105.93 94.23
Labor & management charge Net return over lbr & mgt		13.21 41.86		11.64 3.47		14.96 32.68		12.94 81.29
Cost of Production Per Cwt. Produce Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management	ed	95.91 116.55 132.81 146.03		106.22 126.10 172.38 184.02		97.82 120.59 128.32 143.28		85.82 105.93 107.69 120.62
Est. labor hours per unit		0.96		0.86		0.99		1.06
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.		156.9 95.6 2.2 14.1 93.5 88.5 0.94 5.0 1.6 555 491 360.67 559 198.43		149.2 89.8 1.6 13.8 88.3 82.8 0.87 6.5 1.5 544 450 366.76 602 177.55		139.2 96.9 2.1 12.7 94.8 89.4 0.97 4.1 1.6 566 506 344.83 551 190.61		189.3 97.8 3.1 16.5 94.8 90.7 0.98 4.5 1.8 548 497 338.12 540 218.15

Beef Cow-Calf -- Average Per Cow

_	Avg. Of All Farms		Low 20%		40 - 60	<u> </u>	High 20%	
Number of farms	82		16			17		17
Beef Calves sold (lb) Transferred out (lb) Cull sales Other income Purchased Transferred in Inventory change Gross margin	Quantity 165.6 356.7	Value 328.68 650.79 189.28 6.10 -184.59 -186.66 91.35 896.41	Quantity 107.4 366.9	Value 190.73 695.92 153.82 3.63 -200.93 -186.48 6.26 669.89	Quantity 215.0 326.2	Value 409.71 541.19 170.60 1.70 -150.31 -232.87 170.28 910.30	Quantity 164.3 367.0	Value 358.52 712.00 223.29 15.94 -178.25 -168.55 100.64 1,063.59
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Marketing Operating interest Total direct expenses Return over direct expense	84.0 274.7 1,914.0 499.5 5,077.2 7.0 478.2	25.49 9.91 28.40 15.02 121.46 134.39 26.01 29.68 13.89 24.27 43.10 13.54 5.64 10.14 500.95 395.46	50.3 - 3,069.6 601.0 4,894.8 7.3 288.3	17.74 43.31 22.10 117.28 150.61 15.72 30.14 15.05 22.22 40.90 12.11 8.06 8.66 503.92 165.97	86.4 177.5 1,716.1 858.9 5,229.3 6.9 285.7	28.60 8.66 23.97 23.74 118.10 128.55 13.21 40.22 27.67 24.75 54.64 14.58 5.76 16.84 529.31 380.99	39.5 420.5 1,897.7 314.3 4,658.2 7.5 511.3	14.85 13.97 31.36 9.64 116.67 128.18 23.45 22.84 12.98 24.22 35.62 9.48 4.00 8.80 456.05 607.53
Overhead Expenses Hired labor Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		13.70 12.16 11.57 11.79 41.62 16.95 107.80 608.74 287.66		7.92 11.89 8.22 11.95 41.83 12.49 94.30 598.22 71.67		15.79 16.10 14.46 12.85 43.62 20.38 123.20 652.51 257.79		20.09 10.50 12.54 8.85 37.09 17.76 106.82 562.88 500.71
Labor & management charge Net return over lbr & mgt		69.02 218.64		55.20 16.47		80.94 176.85		68.73 431.98
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	ed	95.91 116.55 132.81 146.03		106.22 126.10 172.38 184.02		97.82 120.59 128.32 143.28		85.82 105.93 107.69 120.62
Est. labor hours per unit		5.00		4.08		5.34		5.64
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.		156.9 95.6 2.2 14.1 93.5 88.5 0.94 5.0 1.6 555 491 360.67 559 198.43		149.2 89.8 1.6 13.8 88.3 82.8 0.87 6.5 1.5 544 450 366.76 602 177.55		139.2 96.9 2.1 12.7 94.8 89.4 0.97 4.1 1.6 566 506 344.83 551 190.61		189.3 97.8 3.1 16.5 94.8 90.7 0.98 4.5 1.8 548 497 338.12 540 218.15

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

_	Avg. C All Fari		Low 2	0%	40 - 60	9%	High 2	0%		
Number of farms	29		29			5		6	6	
Beef Calves sold (lb) Transferred out (lb) Cull sales Other income Purchased Transferred in Inventory change Gross margin	Quantity 51.30 24.19	Value 102.91 39.61 30.26 0.54 -35.53 -11.32 45.14 172.12	Quantity 88.09 7.28	Value 171.54 13.30 44.84 1.31 -62.97 - 6.73 174.75	Quantity 37.82 23.82	Value 83.49 35.16 28.91 -27.50 -11.84 59.49 167.70	Quantity 58.43 23.76	Value 113.36 40.91 35.59 0.20 -15.44 -10.34 18.96 183.89		
Direct Expenses Beet Pulp (dry) (lb.) Protein Vit Minerals (lb.) Complete Ration (lb.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Oats (bu.) Pasture (aum) Stover (lb.) Straw (lb.) DDGS, dry (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Operating interest Total direct expenses Return over direct expense	41.31 23.63 102.30 673.46 194.33 807.78 0.36 1.10 51.68 66.90 39.11 19.53	0.74 5.90 5.37 9.84 6.39 21.45 0.79 21.21 1.02 1.28 1.66 2.95 4.94 4.78 6.53 11.01 3.26 1.60 110.72 61.39	271.20 40.52 16.34 1,667.04 243.97 633.51 1.96 1.20 52.39 235.25 84.02 8.22	4.86 8.58 0.57 23.54 9.15 19.42 4.41 22.62 1.08 5.88 2.94 4.12 5.41 8.43 8.93 14.65 0.49 3.27 148.35 26.39	15.43 365.51 895.17 99.52 598.48 - 0.82 204.99 34.83 121.56 0.98	3.45 21.12 13.13 3.98 16.13 12.83 3.98 0.50 5.70 2.92 4.63 3.72 5.68 12.67 2.12 1.42 113.96 53.75	16.50 96.11 338.10 277.78 740.33 0.09 1.12 5.54 22.17	4.67 3.48 5.58 8.35 16.08 0.18 19.69 0.13 0.27 3.62 3.93 1.39 6.05 11.00 0.76 88.17 95.72		
Overhead Expenses Hired labor Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		2.26 2.90 11.06 7.95 24.17 134.90 37.22		7.38 3.13 17.58 12.37 40.46 188.81 -14.07		0.67 2.44 9.66 6.46 19.24 133.19 34.51		0.91 3.75 10.46 7.34 22.46 110.63 73.26		
Labor & management charge Net return over lbr & mgt		13.95 23.27		15.69 -29.76		12.94 21.57		14.85 58.41		
Cost of Production Per Cwt. Product Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management	ed	110.72 134.90 122.57 136.53		148.35 188.81 156.98 172.67		113.96 133.19 113.11 126.05		88.17 110.63 96.76 111.61		
Est. labor hours per unit		1.10		1.18		1.00		1.42		
Other Information Number of cows Pregnancy percentage Pregnancy loss percentage Culling percentage Calving percentage Weaning percentage Weaning percentage Calves sold per cow Calf death loss percent Cow death loss percent Average weaning weight Lb. weaned/exposed female Feed cost per cow Avg wgt/ Beef Calves sold Avg price / cwt.		134.3 96.3 2.8 11.8 93.6 88.9 0.59 5.3 1.3 521 463 405.32 664 200.59		139.8 97.9 4.5 14.7 93.4 88.7 0.50 5.6 1.4 504 447 469.25 791 194.72		129.2 94.3 4.0 10.1 90.6 85.5 0.41 5.5 1.0 495 423 434.27 800 220.77		165.8 95.6 3.4 16.5 92.4 89.3 0.71 3.9 0.7 525 469 337.64 605 194.01		

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

<u>-</u>	Avg. Of All Farms		Low 2	Low 20%		<u> </u>	High 20%	
Number of farms	29		5		6			6
Beef Calves sold (lb) Transferred out (lb) Cull sales Other income Purchased Transferred in Inventory change Gross margin	Quantity 264.6 124.7	Value 530.73 204.29 156.07 2.80 -183.24 -58.39 232.81 887.61	Quantity 385.7 31.9	Value 751.06 58.23 196.33 5.72 -275.70 - 29.48 765.12	Quantity 196.1 123.5	Value 433.01 182.33 149.94 -142.61 -61.42 308.51 869.75	Quantity 317.9 129.3	Value 616.83 222.61 193.66 1.11 -84.00 -56.26 103.15 1,000.60
Direct Expenses Beet Pulp (dry) (lb.) Protein Vit Minerals (lb.) Complete Ration (lb.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Stover (lb.) Straw (lb.) DDGS, dry (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Total direct expense Return over direct expense	213.1 121.9 527.6 3,473.0 1,002.2 4,165.8 5.7 266.5 345.0 201.7 102.6	3.82 30.45 27.67 50.73 32.97 110.62 109.36 5.26 6.61 8.55 19.28 25.49 32.95 33.68 56.76 16.80 571.00 316.61	1,187.4 177.4 71.5 7,299.0 1,068.2 2,773.8 5.2 229.4 1,030.0 367.9 44.6	21.28 37.56 2.50 103.08 40.06 85.04 99.05 4.72 25.75 12.88 37.34 23.70 51.22 39.10 64.14 2.15 649.56 115.56	80.0 1,895.6 4,642.6 516.1 3,103.9 4.2 1,063.1 180.6 630.5 5.1	17.91 109.52 68.11 20.65 83.65 66.52 20.65 2.58 29.58 15.12 23.99 26.63 29.44 65.72 10.97 591.02 278.74	89.8 522.9 1,839.7 1,511.5 4,028.3 6.1 30.2 120.6	25.42 18.94 30.36 45.44 87.48 107.14 0.70 1.46 20.71 21.37 11.67 32.94 59.85 16.30 479.77 520.83
Overhead Expenses Hired labor Farm insurance Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		11.66 13.97 14.97 57.03 27.03 124.66 695.67 191.95		32.31 12.95 13.70 76.98 41.21 177.15 826.71 -61.59		3.50 10.70 12.68 50.10 22.80 99.76 690.78 178.97		4.97 15.96 20.39 56.91 23.98 122.22 601.99 398.61
Labor & management charge Net return over lbr & mgt		71.95 120.00		68.71 -130.29		67.10 111.88		80.78 317.83
Cost of Production Per Cwt. Produc Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management	ed	110.72 134.90 122.57 136.53		148.35 188.81 156.98 172.67		113.96 133.19 113.11 126.05		88.17 110.63 96.76 111.61
Est. labor hours per unit		5.69		5.17		5.19		7.74
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.		134.3 96.3 2.8 11.8 93.6 88.9 0.59 5.3 1.3 521 463 405.32 664 200.59		139.8 97.9 4.5 14.7 93.4 88.7 0.50 5.6 1.4 504 447 469.25 791 194.72		129.2 94.3 4.0 10.1 90.6 85.5 0.41 5.5 1.0 495 423 434.27 800 220.77		165.8 95.6 3.4 16.5 92.4 89.3 0.71 3.9 0.7 525 469 337.64 605 194.01

Beef Cow-Calf (shares) -- Average Per Cwt. Produced

	Avg. (AII Fai	
Number of farms		7
Beef Calves sold (lb) Transferred out (lb) Other income Gross margin	Quantity 19.75 80.25	Value 32.80 131.73 - 164.53
Direct Expenses Protein Vit Minerals (lb.) Aftermath Grazing (aum) Corn Silage (lb.) Hay, Grass (lb.) Pasture (aum) DDGS, dry (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Livestock leases Operating interest Total direct expenses Return over direct expense	18.99 0.11 529.44 1,105.44 0.90 9.23 16.06	5.47 2.45 6.90 33.91 19.39 1.56 0.17 3.67 0.84 5.81 6.89 2.76 51.03 2.65 143.52 21.01
Overhead Expenses Hired labor Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		1.24 1.51 1.79 1.88 5.04 2.03 13.50 157.02 7.51
Labor & management charge Net return over lbr & mgt		13.13 -5.62
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		143.52 157.02 157.02 170.15
Est. labor hours per unit		0.99
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.		75.4 93.7 0.6 2.5 93.2 90.1 0.96 4.9 0.2 525 473 372.85 568 166.11

Beef Cow-Calf (shares) -- Average Per Cow

	Avg. (All Far	
Number of farms		7
Beef Calves sold (lb) Transferred out (lb) Other income Gross margin	Quantity 105.4 428.3	Value 175.05 703.03 - 878.07
Direct Expenses Protein Vit Minerals (lb.) Aftermath Grazing (aum) Corn Silage (lb.) Hay, Grass (lb.) Pasture (aum) DDGS, dry (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Livestock leases Operating interest Total direct expenses Return over direct expense	101.3 0.6 2,825.5 5,899.6 4.8 49.2 85.7	29.21 13.08 36.85 181.00 103.48 8.33 0.90 19.61 4.50 30.99 36.79 14.74 272.36 14.12 765.95 112.12
Overhead Expenses Hired labor Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		6.63 8.05 9.57 10.06 26.90 10.83 72.04 837.99 40.08
Labor & management charge Net return over lbr & mgt		70.07 -29.99
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		143.52 157.02 157.02 170.15
Est. labor hours per unit		5.27
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.		75.4 93.7 0.6 2.5 93.2 90.1 0.96 4.9 0.2 525 473 372.85 568 166.11

Beef Replacement Heifers -- Average Per Head

	Avg. Of All Farms		Low 20%		40 - 6	0%	High 20%	
Number of farms	57		11		12		12	
Beef Replace sold (hd) Transferred out (hd) Cull sales (hd) Other income Purchased (hd) Transferred in (hd) Inventory change (hd) Gross margin	Quantity 0.17 1.01 0.00 0.12 0.63 -0.44	Value 305.76 1,750.93 4.05 1.56 -183.43 -796.67 -646.85 435.34	Quantity 0.29 0.78 - 0.76 -0.33	Value 535.60 1,358.62 	Quantity 0.11 1.05 0.00	Value 240.10 1,722.15 3.00 - -1,214.26 -419.69 331.30	Quantity 0.20 1.13 - 0.21 0.44 -0.68	Value 346.56 2,022.42 -335.01 -468.17 -962.70 603.10
Direct Expenses Protein Vit Minerals (lb.) Creep / Starter (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) DDGS, dry (lb.) Other feed stuffs (lb) Breeding fees Veterinary Supplies Fuel & oil Repairs Custom hire Bedding Total direct expenses Return over direct expense	162.66 8.06 246.24 5.06 2,676.26 244.83 2,918.39 4.43 181.49 214.56	13.86 1.02 8.90 14.78 32.09 7.52 71.28 83.43 12.13 7.87 6.71 18.32 7.06 7.41 9.93 6.32 1.84 310.47 124.87	25.45 38.42 581.94 4.23 4,309.81 1,198.85 4,420.77 4.55 40.39 313.04	13.47 6.07 18.25 11.83 63.91 36.19 90.18 84.94 7.07 2.64 6.88 23.48 10.85 6.40 11.22 25.14 0.46 418.97 -152.13	46.98 - 2.32 1,649.39 386.24 2,609.98 4.41 369.75 488.59	15.10 7.74 22.88 12.23 61.81 102.27 24.98 10.29 1.25 16.93 4.15 7.37 9.93 6.22 303.15 28.15	334.41 6.04 85.19 7.66 3,346.17 - 2,167.16 4.45 191.18 42.57	12.86 0.34 3.79 21.25 31.90 63.02 62.88 12.03 4.26 11.37 22.09 9.16 9.40 11.03 1.10 4.20 280.68 322.42
Overhead Expenses Hired labor Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		4.48 3.89 3.38 3.33 12.20 5.14 32.42 342.90 92.45		2.74 2.72 2.96 2.26 8.65 3.48 22.82 441.79 -174.95		0.52 2.73 2.40 4.07 10.29 5.49 25.50 328.66 2.64		8.21 4.90 4.27 3.45 15.85 5.76 42.43 323.11 280.00
Labor & management charge Net return over lbr & mgt		20.00 72.45		15.17 -190.12		19.73 -17.09		22.80 257.20
Est. labor hours per unit		1.34		1.17		1.56		1.48
Other Information No. purchased or trans in Number sold or trans out Average number of head Percentage death loss Feed cost per average head		31 50 42 0.4 252.88		24 34 32 0.9 334.54		31 39 33 0.2 257.30		54 110 83 0.3 212.32

Beef Backgrounding -- Average Per Cwt. Produced

	Avg. OfAII Farms		Low 2	0%	40 - 60	<u>)%</u>	High 20%	
Number of farms	27		5		6		6	
Backgnd Beef sold (lb) Transferred out (lb) Other income	Quantity 267.24 95.08	Value 497.67 151.85 5.35	Quantity 378.98 228.82	Value 699.10 393.84 -	Quantity 260.06 16.75	Value 518.38 24.59	Quantity 104.82 206.50	Value 211.96 318.22 0.46
Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	-13.44 -179.33 -69.82	-24.51 -330.64 -209.97 89.74	-286.46 -221.34	-610.01 -580.68 -97.74	-42.32 -41.60 -92.90	-77.18 -87.63 -292.84 85.33	-212.83 1.04	-335.26 -43.33 152.04
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Barley (bu.) Corn (bu.) Corn Silage (lb.) Corn, Ear (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Oats (bu.) Pasture (aum) Straw (lb.) DDGS, dry (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Marketing Total direct expenses Return over direct expense	32.53 29.76 0.50 4.56 571.92 61.24 109.48 238.68 1.30 0.10 77.96 48.50 86.32	6.79 2.27 1.27 13.31 8.68 3.11 3.58 5.92 2.80 2.15 1.07 2.57 2.70 4.72 3.48 2.29 3.64 2.11 2.12 74.58 15.16	28.82 2.77 1.48 600.63 - 618.34 0.29 0.23 232.99 44.76	7.95 6.24 4.74 9.01 - 15.94 0.72 3.49 2.91 4.04 21.06 1.57 4.10 7.43 9.13 - 98.33 -196.07	51.66 0.39 2.60 654.65 125.17 203.53 179.49 2.21 0.24 99.76 100.48 38.08	12.19 - 1.18 7.46 9.62 6.07 7.41 4.27 4.28 5.89 2.18 4.27 2.95 1.80 4.77 2.22 3.01 0.12 0.28 79.98 5.35	3.72 107.23 0.25 5.07 539.85 85.05 68.41 212.84 0.11	2.48 6.89 0.74 15.26 7.76 4.68 1.71 5.41 0.27
Overhead Expenses Hired labor Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		2.96 4.36 4.17 11.49 86.07 3.67		0.21 6.67 3.97 10.85 109.17 -206.92		5.31 4.34 3.54 13.20 93.17 -7.84		1.10 2.92 1.97 5.99 63.08 88.96
Labor & management charge Net return over lbr & mgt		5.21 -1.53		8.61 -215.53		4.48 -12.32		2.96 86.00
Cost of Production Per Cwt. Produ Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management	ced	176.48 179.66 178.25 179.69		212.08 213.86 213.86 215.28		194.22 198.98 198.98 200.60		139.80 141.72 141.72 142.67
Est. labor hours per unit		0.41		0.62		0.37		0.19
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.		110 156 0.7 1.81 5.54 11.99 56.22 107.95 723 186.23		73 120 2.6 1.05 2.99 13.50 55.03 81.34 710 184.47		70 163 0.2 1.90 5.51 12.80 67.77 148.18 766 199.33		133 148 0.3 2.19 5.33 10.57 48.71 107.19 641 202.21

Beef Backgrounding -- Average Per Head

	Avg. 0 All Fari		Low	20%	40 - 6	0%	High 20%	
Number of farms	27		5		6		6	
Backgnd Beef sold (lb) Transferred out (lb) Other income	Quantity 513.1 182.6	Value 955.60 291.58 10.27	Quantity 560.1 338.2	Value 1,033.23 582.07	Quantity 568.6 36.6	Value 1,133.39 53.77	Quantity 230.7 454.4	Value 466.40 700.23 1.02
Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	-25.8 -344.3 -134.1	-47.05 -634.89 -403.18 172.32	-423.4 -327.1	-901.55 -858.21 -144.46	-92.5 -91.0 -203.1	-168.76 -191.59 -640.26 186.57	-468.3 2.3	-737.73 -95.35 334.56
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Barley (bu.) Corn (bu.) Corn Silage (lb.) Corn, Ear (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Oats (bu.) Pasture (aum) Straw (lb.) DDGS, dry (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Marketing Total direct expenses Return over direct expense	62.5 57.2 1.0 8.8 1,098.2 117.6 210.2 458.3 2.5 0.2 149.7 93.1 165.7	13.03 4.36 2.44 25.55 16.66 5.97 6.86 11.37 5.38 4.14 2.06 4.94 5.19 9.05 6.69 4.40 7.00 4.04 4.08 143.21 29.11	42.6 4.1 2.2 887.7 913.9 0.4 0.3 344.3 66.1	9.22 7.00 13.32 23.56 1.06 5.16 4.30 5.97 31.13 2.33 6.06 10.99 13.49	112.9 0.9 5.7 1,431.3 273.7 445.0 392.4 4.8 0.5 218.1 219.7 83.3	26.66 2.58 16.31 21.03 13.28 16.20 9.34 9.36 12.88 4.76 9.34 6.45 3.94 10.42 4.85 6.58 0.27 0.62 174.86 11.71	8.2 236.0 0.5 11.2 1,187.9 187.1 150.5 468.4 0.2	5.45 15.15 1.62 33.58 17.07 10.29 3.76 11.90 0.60 5.93 1.83 3.98 7.00 2.65 3.30 1.51
Overhead Expenses Hired labor Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		5.68 8.37 8.01 22.06 165.27 7.05		0.30 9.86 5.87 16.03 161.35 -305.81		11.61 9.50 7.74 28.85 203.71 -17.14		2.42 6.42 4.34 13.18 138.80 195.76
Labor & management charge Net return over lbr & mgt		10.00 -2.95		12.72 -318.53		9.78 -26.93		6.52 189.24
Cost of Production Per Cwt. Produ Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management	ıced	176.48 179.66 178.25 179.69		212.08 213.86 213.86 215.28		194.22 198.98 198.98 200.60		139.80 141.72 141.72 142.67
Est. labor hours per unit		0.80		0.91		0.81		0.42
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.		110 156 0.7 1.81 5.54 11.99 56.22 107.95 723 186.23		73 120 2.6 1.05 2.99 13.50 55.03 81.34 710 184.47		70 163 0.2 1.90 5.51 12.80 67.77 148.18 766 199.33		133 148 0.3 2.19 5.33 10.57 48.71 107.19 641 202.21

Figure 1. Gross Cash Income Per Farm

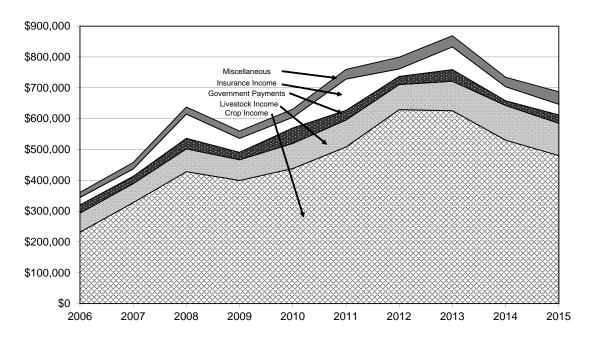


Figure 2. Net Farm Income (Accrual) Per Farm N.D. Farm Business Management Education Program

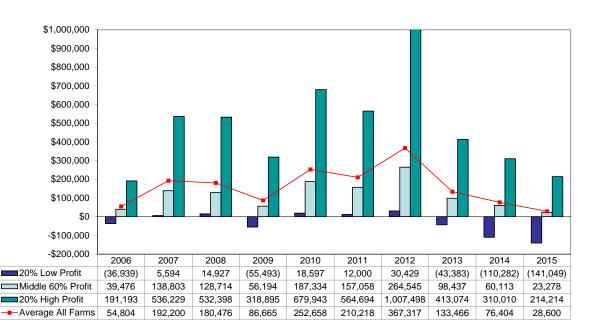


Figure 3. Financial Efficiency Measures (As Percent of Gross Revenue)

N.D. Farm Business Management Education Program

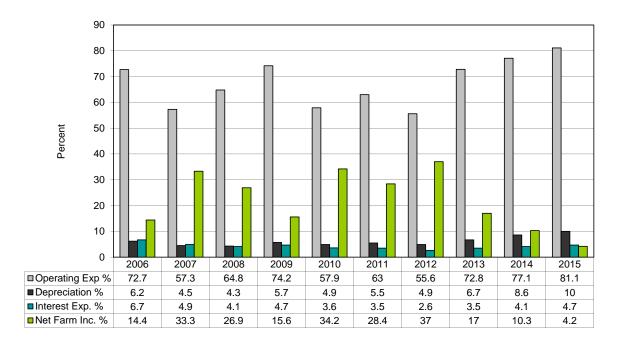


Figure 4. Profitability Measures Per Farm

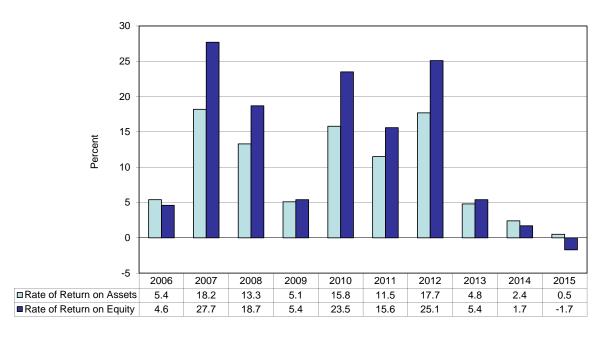


Figure 5. Assets and Liabilities Per Farm, 2015

N.D. Farm Business Management Education Program

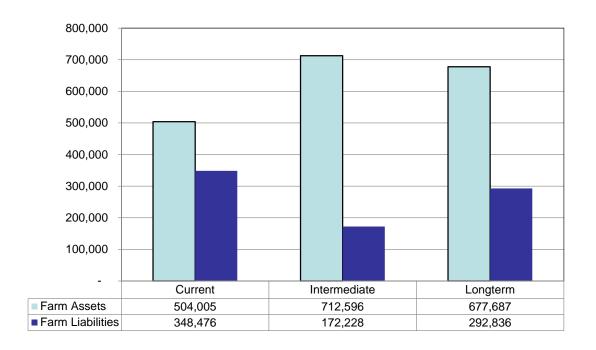


Figure 6. Total Farm Assets and Liabilities

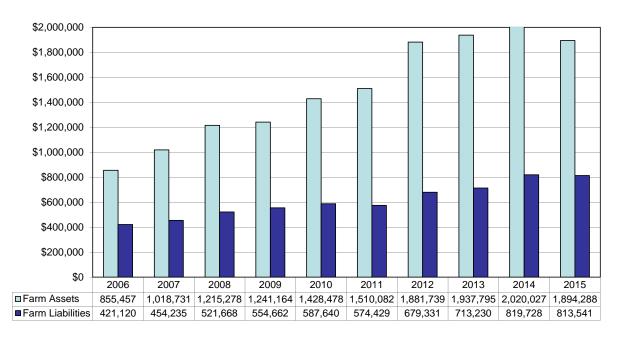


Figure 7. Household and Personal Expenses

N.D. Farm Business Management Education Program

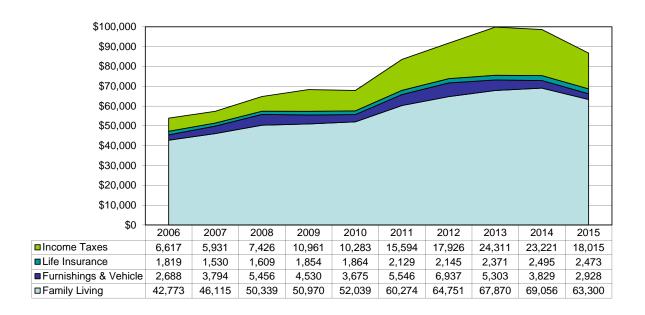


Figure 8. Crop Acreage Per Farm

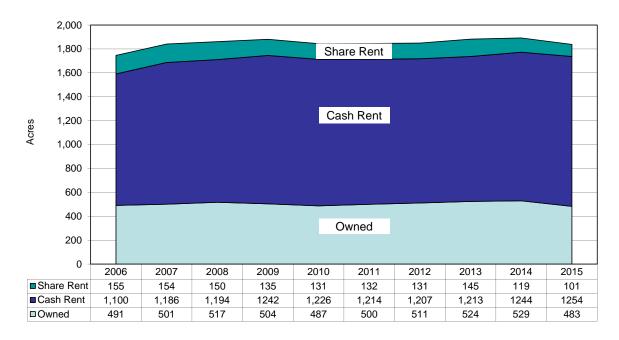


Figure 9. Spring Wheat Costs Per Acre

N.D. Farm Business Management Education Program

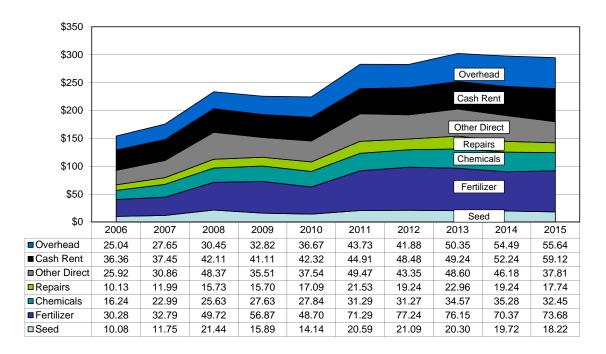
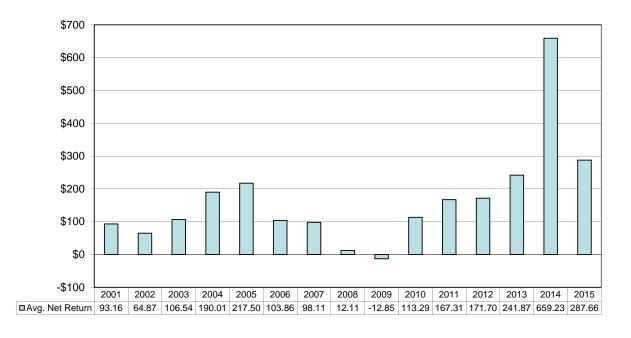


Figure 10. Average Net Return Per Beef Cow







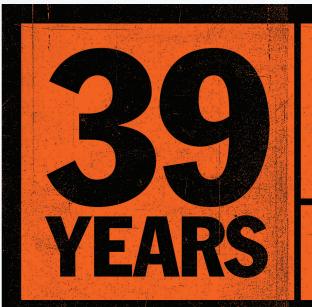






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