# 2018 ANNUAL REPORT State Averages

North Dakota Farm and Ranch Business

Management Education





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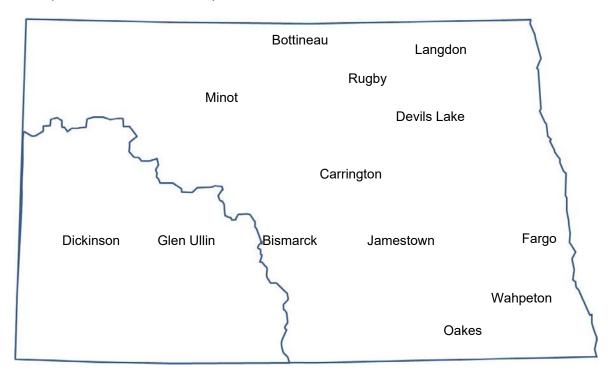
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### NORTH DAKOTA FARM BUSINESS MANAGEMENT EDUCATION

### 2018 ANNUAL REPORT

School Bismarck State College	Instructor Kyle Olson
Bismarck State College - Dickinson	Levi Helmuth
Dakota College at Bottineau	. Rodney Armstrong
Dakota College at Bottineau - Minot	. Lynsey Aberle
Dakota College at Bottineau - Rugby	. Sheila Braaten
Fargo (NDSCS)	Ron Smithberg
Glen Ullin High School	. Ron Egli
Jamestown (NDSCS)	
Lake Region State College - Devils Lake	
Ç Ç	Darren Wilcox
Lake Region State College - Langdon	. Jeremiah Halley
Lake Region State College - Carrington	Joel Lemer
	Steve Metzger
Oakes (SRCTC)	Kacey Holm
Wahpeton (NDSCS)	

This report was made possible by the farm families who cooperated with their farm management instructors in getting the records for 2018 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.



### 2018 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 2018 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 30th 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 <a href="https://www.ndfarmmanagement.com">www.ndfarmmanagement.com</a>.

### 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 income statement is a table which lists <u>cash</u> farm income. There are several sources of cash farm income. Cash sales of crops are listed first followed by cash sales of livestock.

Government payments are categorized. "Crop government payments" are Agricultural Risk Coverage (ARC) and Price Loss Coverage (PLC) payments. "LDP payments" are loan deficiency payments that may be received on production when local prices are below the county loan rate for the crop. "Livestock government payments" include dairy MPP payments and other livestock related payments. "CRP payments" are funds received for land enrolled in the Conservation Reserve Program. "Other government payments" refers to all other government payments such as disaster payments, EQIP, CSP, and Market Facilitation Payments (MFP).

Lastly, cash income is categorized by sources such as custom work, cash patronage dividends, crop and property insurance indemnities, sale of resale items, and other.

The second section of the income statement lists <u>cash</u> expenses. "Hired labor" includes only labor which was hired and paid. "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 operators 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 operators labor and management that is used in the calculation of several financial performance measures. A value of \$25,000 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 <u>Amortization</u>. This represents a measure of earnings available for debt repayment.</u>

#### **Repayment Capacity**

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

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

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

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

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

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

#### **Efficiency**

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

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

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

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

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

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

### **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, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of			
	AII Farms	Low 20%	<u>40 - 60%</u>	<u>High 20%</u>
Number of farms	421	84	84	85
Cash Farm Income				
Barley	15,945	9,297	11,162	39,409
Beans, Black Turtle	836	424	2,723	834
Beans, Garbonzo	930	1,196	-	49
Beans, Navy	2,348	1,516	-	7,089
Beans, Pinto	21,692	21,634	22,109	40,519
Canola	24,649 155 775	22,608 72,321	19,370 123,868	37,351 229,745
Corn Corn Silage	155,775 33	72,321 155	123,000	338,715
Hay, Alfalfa	549	529	<del>-</del>	145
Hay, Mixed	418	735	327	402
Hay, Small Grain	186	700	521	35
Lentils	185	-	_	917
Oats	586	=	831	650
Peas, Field	5,193	5,814	4,436	10,843
Potatoes	1,454	7,228	-	-
Rye	235	100	-	460
Soybeans	181,856	107,439	146,117	394,601
Sugar Beets	21,180	11,014	12,016	50,806
Sunflowers	12,560	5,071	2,862	21,560
Sunflowers, Confectionary	862	-	4,267	-
Wheat, Durum	6,956	4,443	1,454	19,775
Wheat, Spring	103,686	86,910	87,147	181,999
Wheat, Winter	1,342	.=	152	1,574
Rented Out	132	17	45	319
Soybeans, Natto	663	-	935	-
Peas, Organic	118	4.000	-	700
Other Crops	2,167	1,696	- 1 720	730
Miscellaneous crop income	6,625 882	5,994 1,908	1,738	7,122 1,122
Beef Bulls Beef Cow-Calf, Beef Calves	26,366	28,410	33,105	18,336
Beef Replacement Heifers	1,760	2,478	734	2,075
Beef Backgrounding	10,355	15,878	6,813	8,659
Beef Finishing	6,856	17,793	2,709	7,593
Beef Finish Yearlings	636	40	2,700	335
Beef Stockers	586	-	-	2,903
Dairy, Milk	18,589	52,567	40,601	_,000
Dairy, Dairy Calves	151	267	492	-
Dairy Heifers (for sale)	311	1,061	500	-
Sheep, Market Lamb Prod, Mkt Lambs	76	117	-	-
Bison Cow-Calf, Bison Calves	300	-	-	-
Dairy Backgrounding	74	369	<del>.</del>	<u>-</u>
Cull breeding livestock	5,488	6,561	4,800	3,911
Misc. livestock income	271	267	153	16
Crop government payments	23,347	17,734	18,523	46,221
CRP payments	1,119	1,119	437	1,623
Other government payments	35,734 18,074	25,106 47,752	35,269	57,246 20,471
Custom work income Patronage dividends, cash	18,974 4,588	47,752 3,321	11,437 3,890	20,171 7,520
Crop insurance income	4,566 27,652	25,338	25,320	50,870
Property insurance income	3,350	2,933	1,460	10,008
Sale of resale items	97	2,500	1, <del>-1</del> 00	483
Livestock insurance inc	56	76	192	-
Other farm income	15,368	12,944	12,036	24,848
Gross Cash Farm Income	772,147	630,177	640,028	1,419,845
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# Farm Income Statement (continued) North Dakota Farm Business Management Education Program State Report, 2018 (Farms Sorted By Net Farm Income)

	Avg. OfAII Farms	Low 20%	<u>40 - 60%</u>	High 20%
Number of farms	421	84	84	85
Cash Farm Expense Seed and plants Fertilizer	87,814 84,649	66,267 61,287	71,761 70,666	164,503 156,628
Crop chemicals Crop insurance Drying expense Storage	59,999 28,758 3,330 974	47,328 22,512 1,041 213	49,800 22,826 1,977 1,026	104,681 55,196 7,711 2,090
Irrigation energy Cropmiscellaneous Consultants Feeder livestock purchase	262 1,389 1,989 10,472	12 2,696 2,193 27,621	363 787 1,533 3,305	172 1,112 3,959 10,942
Purchased feed Breeding fees Veterinary	18,851 437 2,683 2,031	53,884 866 4,185 4,631	18,361 630 3,923 3,477	7,855 204 1,704 1,000
Supplies Livestock insurance Livestock leases Grazing fees	27 53 28	29 106 105	104 7 -	97
Interest Fuel & oil Repairs Custom hire Hired labor	36,540 34,583 57,067 15,510 29,595	41,423 33,371 57,300 14,648 40,840	35,805 29,128 46,730 13,984 26,533	50,678 55,690 86,464 20,074 48,435 214,007
Land rent Stock/quota lease Machinery leases Building leases Real estate taxes Farm insurance	111,020 807 11,867 1,384 4,758 11,637	78,959 646 14,249 2,328 3,002 12,373	90,785 337 7,822 374 3,551 9,769	2,550 21,452 2,557 7,692 18,556
Utilities Hauling and trucking Marketing Dues & professional fees Purchase of resale items Miscellaneous	9,044 560 1,684 3,756 3,153 9,134	10,104 - 3,192 3,934 1,946 11,220	8,188 2,805 1,448 2,322 2,259 8,056	13,305 - 2,214 7,973 4,911 13,318
Total cash expense Net cash farm income	645,845 126,303	624,506 5,671	540,440 99,588	1,087,730 332,116
Inventory Changes Prepaids and supplies Accounts receivable Hedging accounts Other current assets Crops and feed	307 17,520 3,360 946 31,172	-4,433 2,007 -653 4,285 -3,326	-1,870 12,653 2,578 689 21,868	6,344 57,848 14,902 -777 70,525
Market livestock Breeding livestock Other assets Accounts payable Accrued interest Total inventory change	8,883 -3,361 474 -2,864 -3,181 53,257	27,016 -8,188 -3,460 -1,266 -4,988 6,994	2,234 -2,149 3,169 -7,989 -1,541 29,642	10,728 -2,600 332 -2,003 -2,942 152,356
Net operating profit  Depreciation	179,560	12,664	129,229	484,472
Machinery and equipment Titled vehicles Buildings and improvements Total depreciation	-52,996 -5,740 -5,904 -64,640	-41,703 -5,759 -5,598 -53,060	-40,570 -4,722 -4,447 -49,738	-103,520 -7,766 -12,830 -124,117
Net farm income from operations Gain or loss on capital sales	114,920 1,306	-40,396 -2,305	79,491 1,436	360,355 5,283
Netfarmincome	116,227	-42,700	80,927	365,638

# Inventory Changes North Dakota Farm Business Management Education Program State Report, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	<u> </u>
Number of farms	421	84	84	85
Net cash farm income	126,303	5,671	99,588	332,116
Crops and Feed Ending inventory Beginning inventory Inventory change	471,688	288,848	340,761	1,064,251
	440,515	292,175	318,893	993,726
	31,172	-3,326	21,868	70,525
Market Livestock Ending inventory Beginning inventory Inventory change	45,360	78,342	35,386	37,141
	36,476	51,326	33,152	26,413
	8,883	27,016	2,234	10,728
Accts Receivable Ending inventory Beginning inventory Inventory change	52,257	26,159	41,239	124,887
	34,737	24,152	28,586	67,039
	17,520	2,007	12,653	57,848
Prepaid Expenses and Supplies Ending inventory Beginning inventory Inventory change	53,869 53,562 307	19,532 23,965 -4,433	31,513 33,383 -1,870	139,858 133,514 6,344
Hedging Activities Ending inventory Withdrawals Beginning inventory Deposits Gain or loss	5,496	674	3,351	16,737
	5,592	4,564	2,316	18,475
	4,252	3,068	1,082	10,117
	3,476	2,824	2,006	10,193
	3,360	-653	2,578	14,902
Other Current Assets Ending inventory Beginning inventory Inventory change	3,209	7,168	3,736	2,882
	2,263	2,883	3,046	3,659
	946	4,285	689	-777
Breeding Livestock Ending inventory Capital sales Beginning inventory Capital purchases Depreciation, capital adjust	75,493	99,268	89,043	52,751
	857	1,264	820	-
	70,629	97,303	84,954	48,048
	9,082	11,417	7,058	7,304
	-3,361	-8,188	-2,149	-2,600
Other Capital Assets Ending inventory Capital sales Beginning inventory Capital purchases Depreciation, capital adjust	115,304	71,658	72,756	271,894
	875	227	344	2,180
	108,228	68,679	63,317	253,872
	7,476	6,665	6,615	19,870
	474	-3,460	3,169	332
Accounts Payable Beginning inventory Ending inventory Inventory change	24,366	30,770	14,753	37,010
	27,230	32,036	22,742	39,013
	-2,864	-1,266	-7,989	-2,003
Accrued Interest Beginning inventory Ending inventory Inventory change	15,675	19,129	13,853	22,450
	18,856	24,117	15,394	25,392
	-3,181	-4,988	-1,541	-2,942
Total inventory change	53,257	6,994	29,642	152,356
Net operating profit	179,560	12,664	129,229	484,472

# Depreciation North Dakota Farm Business Management Education Program State Report, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of			
	All Farms	Low 20%	<u>40 - 60%</u>	High 20%
Number of farms	421	84	84	85
Net operating profit	179,560	12,664	129,229	484,472
Machinery and Equipment				
Ending inventory	583,987	465,762	436,724	1,085,377
Capital sales	21,847	13,854	10,672	40,249
Beginning inventory	573,044	470,697	428,006	1,028,274
Capital purchases	85,786	50,622	59,959	200,873
Depreciation, capital adjust.	-52,996	-41,703	-40,570	-103,520
Titled Vehicles				
Ending inventory	51,768	56,352	43,914	74,505
Capital sales	1,207	1,133	158	2,293
Beginning inventory	50,355	54,357	42,224	70,329
Capital purchases	8,360	8,887	6,570	14,235
Depreciation, capital adjust.	-5,740	-5,759	-4,722	-7,766
Buildings and Improvements				
Ending inventory	190,417	190,899	154,999	362,944
Capital sales	1,506	160	-	4,101
Beginning inventory	180,153	184,201	145,060	341,703
Capital purchases	17,674	12,456	14,385	38,172
Depreciation, capital adjust.	-5,904	-5,598	-4,447	-12,830
Total depreciation, capital adj.	-64,640	-53,060	-49,738	-124,117
Net farm income from operations	114,920	-40,396	79,491	360,355
Gain or loss on capital sales	1,306	-2,305	1,436	5,283
Net farm income	116,227	-42,700	80,927	365,638

# Profitability Measures North Dakota Farm Business Management Education Program State Report, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	421	84	84	85
Profitability (assets valued at cost)				
Net farm income from operations	114,920	-40,396	79,491	360,355
Rate of return on assets	4.5 %	-2.5 %	3.9 %	8.1 %
Rate of return on equity	4.6 %	-12.6 %	3.4 %	10.1 %
Operating profit margin	12.2 %	-7.3 %	10.3 %	20.6 %
Asset turnover rate	37.2 %	34.7 %	38.0 %	39.1 %
Farm interest expense	39,721	46,410	37,346	53,620
Value of operator lbr and mgmt.	57,157	47,328	49,279	95,005
Return on farm assets	97,484	-41,314	67,557	318,970
Average farm assets	2,149,473	1,626,914	1,728,328	3,954,265
Return on farm equity	57,763	-87,724	30,211	265,350
Average farm equity	1,256,013	697,898	890,943	2,625,166
Value of farm production	798,586	563,804	657,176	1,547,762

# Liquidity & Repayment Capacity Measures North Dakota Farm Business Management Education Program State Report, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	421	84	84	85
Liquidity				
Current ratio	1.62	0.98	1.49	2.08
Working capital	217,184	-7,061	140,733	602,957
Working capital to gross inc	30.8 %	-1.3 %	25.2 %	44.0 %
Current assets	564,869	382,334	427,626	1,162,797
Current liabilities	347,685	389,395	286,893	559,840
Gross revenues (accrual)	706,137	542,146	558,653	1,371,339
Repayment capacity				
Net farm income from operations	114,920	-40,396	79,491	360,355
Depreciation	64,640	53,060	49,738	124,117
Personal income	39,279	40,803	45,746	32,956
Family living/owner withdrawals	-66,705	-58,667	-65,252	-92,815
Cash discrepancy	84	313	2	-8
Payments on personal debt	-4,349	-5,696	-4,297	-4,400
Income taxes paid	-14,666	-3,919	-10,041	-29,551
Interest on term debt	21,985	27,999	15,619	29,086
Capital debt repayment capacity	155,188	13,497	111,007	419,739
Scheduled term debt payments	-81,685	-87,071	-73,574	-122,009
Capital debt repayment margin	73,503	-73,574	37,433	297,729
Cash replacement allowance	-35,098	-29,076	-22,153	-64,770
Replacement margin	38,406	-102,650	15,279	232,959
Term debt coverage ratio	1.90	0.16	1.51	3.44
Replacement coverage ratio	1.33	0.12	1.16	2.25

### Balance Sheet at Cost Values North Dakota Farm Business Management Education Program State Report, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of <u>All Farms</u>	<u>Low 20%</u>	<u>40 - 60%</u>	<u> High 20%</u>
Number of farms	382	76	81	67
Assets				
Current Farm Assets				
Cash and checking balance	49,959	28,135	46,224	62,322
Prepaid expenses & supplies	41,083	13,447	23,223	100,614
Growing crops	379	782	20	735
Accounts receivable	39,129	19,799	37,000	79,595
Hedging accounts	4,021	-203	1,992	14,108
Crops held for sale or feed	382,144	230,516	281,527	871,792
Market livestock held for sale	46,454	84,194	36,687	32,791
Other current assets	1,698 564,869	5,663	952 427 626	1 162 707
Total current farm assets	504,009	382,334	427,626	1,162,797
Intermediate Farm Assets	07.050	00.700	04.400	04.400
Breeding livestock	67,050	90,736	64,408	34,423
Machinery and equipment	494,586	369,944	379,105	904,321
Titled vehicles	47,543 46,534	51,610	36,790 41,366	67,695
Other intermediate assets  Total intermediate farm assets	46,531 655,710	30,329 542,640	,	101,646 1,108,085
Total Intermediate farm assets	000,710	542,619	521,669	1,100,000
Long Term Farm Assets	504.057	070.045	440.405	000 044
Farm land	504,957	276,645	448,465	903,911
Buildings and improvements	149,383	152,828	95,271	301,006
Other long-term assets	41,392	24,006	21,557	99,770
Total long-term farm assets Total Farm Assets	695,731 1,916,310	453,479 1,378,432	565,293 1,514,587	1,304,687 3,575,568
Total Famil Assets	1,910,510	1,370,432	1,314,367	3,373,300
Total Nonfarm Assets	306,538	250,979	262,054	455,205
Total Assets	2,222,848	1,629,411	1,776,641	4,030,773
Liabilities				
Current Farm Liabilities				
Accrued interest	17,534	24,528	12,491	24,904
Accounts payable	22,564	22,773	17,568	34,361
Current notes	252,699	288,570	207,978	417,682
Principal due on term debt	54,888	53,523	48,856	82,893
Total current farm liabilities	347,685	389,395	286,893	559,840
Total intermediate farm liabs	169,599	192,216	144,282	241,492
Total long term farm liabilities	327,735	358,622	300,409	503,604
Total farm liabilities	845,018	940,233	731,584	1,304,936
Total nonfarm liabilities	64,779	72,674	71,197	76,708
Total liabilities	909,797	1,012,907	802,781	1,381,644
Net worth (farm and nonfarm)	1,313,050	616,505	973,860	2,649,129
Net worth change	75,923	-43,548	57,612	254,146
Percent net worth change	6 %	-7 %	6 %	11 %
Ratio Analysis				
Current farm liabilities / assets	62 %	102 %	67 %	48 %
Intermediate farm liab. / assets	26 %	35 %	28 %	22 %
Long term farm liab. / assets	47 %	79 %	53 %	39 %
Total debt to asset ratio	41 %	62 %	45 %	34 %

### Statement Of Cash Flows

### North Dakota Farm Business Management Education Program State Report, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	421	84	84	85
Number of familis	721	04	04	00
Beginning cash (farm & nonfarm)	58,126	37,965	52,308	77,714
<b>Cash Provided By Operating Activities</b>				
Gross cash farm income	772,147	630,177	640,028	1,419,845
Total cash farm expense	-645,845	-624,506	-540,440	-1,087,730
Net cash from hedging transactions	2,116	1,740	309	8,282
Cash provided by operating	128,419	7,411	99,897	340,398
Cash Provided By Investing Activities				
Sale of breeding livestock	986	1,264	1,478	•
Sale of machinery & equipment	22,049	11,885	11,345	41,644
Sale of titled vehicles	1,117	888	169	2,057
Sale of farm land	4,323	6,667	7,296	6,706
Sale of farm buildings	1,655	160	-	4,281
Sale of other farm assets	1,080	249	437	3,060
Sale of nonfarm assets	5,183	2,508	971	10,451
Purchase of breeding livestock	-9,082	-11,417	-7,058	-7,304
Purchase of machinery & equip.	-85,786	-50,622	-59,959	-200,873
Purchase of titled vehicles	-8,360	-8,887	-6,570	-14,235
Purchase of farm land	-45,585	-18,424	-70,522	-71,483
Purchase of farm buildings	-17,674	-12,456	-14,385	-38,172
Purchase of other farm assets	-7,476	-6,665	-6,615	-19,870
Purchase of nonfarm assets	-21,977	-12,014	-32,866	-30,520
Cash provided by investing	-159,547	-96,864	-176,279	-314,257
Cash Provided By Financing Activities				
Money borrowed	620,596	584,311	599,786	1,088,918
Principal payments	-544,074	-481,018	-489,647	-1,003,882
Personal income	39,279	40,803	45,746	32,956
Family living/owner withdrawals	-66,517	-58,667	-64,307	-92,815
Income and social security tax	-13,050	-4,879	-10,216	-26,955
Capital contributions	318	1,512	-	_0,000
Capital distributions	-3,280	-2,008	-1,657	-9,481
Dividends paid	-188	_,000	-944	0, .0
Cash gifts and inheritances	10,102	17,859	7,231	5,068
Gifts given	-620	-393	-59	-2,144
Other cash flows	-	-	-	∠, 1 →
Cash provided by financing	42,566	97,522	85,933	-8,335
Net change in cash balance	11,438	8,068	9,551	17,805
Ending cash (farm & nonfarm)	69,648	46,346	61,861	95,511
Discrepancy	-84	-313	-2	30,011

### Financial Standards Measures North Dakota Farm Business Management Education Program State Report, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	421	84	84	85
Liquidity				
Current ratio	1.62	0.98	1.49	2.08
Working capital	217,184	-7,061	140,733	602,957
Working capital to gross inc	30.8 %	-1.3 %	25.2 %	44.0 %
Solvency (cost)				
Farm debt to asset ratio	44 %	68 %	48 %	36 %
Farm equity to asset ratio	56 %	32 %	52 %	64 %
Farm debt to equity ratio	0.79	2.15	0.93	0.57
Profitability (cost)				
Rate of return on farm assets	4.5 %	-2.5 %	3.9 %	8.1 %
Rate of return on farm equity	4.6 %	-12.6 %	3.4 %	10.1 %
Operating profit margin	12.2 %	-7.3 %	10.3 %	20.6 %
Net farm income	116,227	-42,700	80,927	365,638
EBITDA	219,281	59,074	166,575	538,092
Repayment Capacity				
Capital debt repayment capacity	155,188	13,497	111,007	419,739
Capital debt repayment margin	73,503	-73,574	37,433	297,729
Replacement margin	38,406	-102,650	15,279	232,959
Term debt coverage ratio	1.90	0.16	1.51	3.44
Replacement coverage ratio	1.33	0.12	1.16	2.25
Efficiency				
Asset turnover rate (cost)	37.2 %	34.7 %	38.0 %	39.1 %
Operating expense ratio	73.6 %	90.9 %	75.5 %	65.8 %
Depreciation expense ratio	7.8 %	8.2 %	7.3 %	7.9 %
Interest expense ratio	4.8 %	7.2 %	5.5 %	3.4 %
Net farm income ratio	14.0 %	-6.6 %	11.9 %	23.3 %

# Crop Production and Marketing Summary North Dakota Farm Business Management Education Program State Report, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of			
	All Farms	Low 20%	<u>40 - 60%</u>	<u>High 20%</u>
Number of farms	421	84	84	85
Acreage Summary				
Total acres owned	654	475	578	956
Total crop acres	1,972	1,561	1,630	3,494
Crop acres owned	416	304	345	651
Crop acres cash rented	1,462	1,213	1,215	2,681
Crop acres share rented	94	43	69	163
Total pasture acres	389	489	328	270
Percent crop acres owned	21 %	19 %	21 %	19 %
Mach invest/crop acre cost	318	330	292	323
Average Price Received (Cash Sales Only)				
Soybeans per bushel	8.78	8.76	8.54	8.92
Wheat, Spring per bushel	5.53	5.76	5.39	5.64
Corn per bushel	3.11	3.15	3.13	3.11
Canola per cwt	16.85	16.72	16.36	16.82
Barley per bushel	4.16	3.80	4.26	4.29
Beans, Pinto per cwt	22.33	23.02	22.15	22.60
Sunflowers per cwt	17.95	17.76	17.59	18.24
Wheat, Durum per bushel	5.86	5.10	17.59	6.28
Peas, Field per bushel	6.60	5.80		6.64
	9.57	5.60	-	9.40
Flax per bushel	65.82	-	-	9.40
Hay per ton	5.08	-	-	-
Wheat, Winter per bushel	3.04	-	-	-
Oats per bushel		-	-	-
Hay, Mixed Alfalfa/Grass per ton	76.07	-	-	-
Beans, Navy per cwt	24.31	-	-	-
Rye per bushel	4.83	-	-	-
Beans, Black Turtle per cwt	24.87	-	-	-
Hay, Alfalfa per ton	116.08	-	-	-
Average Yield Per Acre				
Soybeans (bushel)	36.49	32.87	37.37	37.18
Wheat, Spring (bushel)	55.89	50.42	53.05	59.84
Corn (bushel)	154.00	102.23	155.12	163.62
Canola (cwt)	19.35	16.24	15.77	20.47
Hay, Mixed Alfalfa/Grass (ton)	1.20	0.934	2.35	1.09
Barley (bushel)	75.62	60.79	68.91	84.17
Hay, Grass (ton)	1.15	1.17	1.00	1.59
Hay, Small Grain (ton)	1.95	1.38	1.00	2.61
Sugar Beets (ton)	24.02	1.50	27.70	28.11
Hay, Alfalfa (ton)	2.25	1.80	3.50	1.82
Wheat, Durum (bushel)	52.61	59.09	5.50	48.39
Sunflowers (cwt)	21.20	- -	<u>-</u>	23.21
Beans, Pinto (cwt)	14.70	-	10.96	17.10
Corn Silage (ton)	18.10	19.09	10.90	16.18
Peas, Field (bushel)	40.70	19.09	36.29	46.20
Oats (bushel)		-	30.29	
	68.60	-	-	51.52
Flax (bushel)	23.31	-	-	24.45
Hay, Summer Annual Grass (ton)	1.99	-	-	2.92
Beans, Garbonzo (cwt)	22.78	-	-	21.87
Beans, Navy (cwt)	18.99	-	-	-

# Household and Personal Expenses North Dakota Farm Business Management Education Program State Report, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of	1 - 000/	40 000/	W. J. 000/
	All Farms	Low 20%	40 - 60%	High 20%
Number of farms	125	27	26	18
Average family size	2.9	2.9	3.0	3.4
Family Living Expenses				
Food and meals expense	8,542	8,834	8,274	10,342
Medical care	4,796	4,040	4,733	6,858
Health insurance	8,581	7,678	6,095	12,829
Cash donations	2,112	1,167	2,245	3,291
Household supplies	6,155	6,209	6,598	8,699
Clothing	1,958	2,068	1,686	3,103
Personal care	5,028	4,062	4,045	8,445
Child / Dependent care	875	807	727	551
Alimony and child support	4	17	-	-
Gifts	2,193	1,160	2,197	2,510
Education	852	1,370	1,310	938
Recreation	3,955	4,203	3,440	4,299
Utilities (household share)	4,011	3,488	3,816	5,103
Personal vehicle operating exp	3,644	4,237	3,472	3,243
Household real estate taxes	315	381	232	240
Dwelling rent	175	181	585	-
Household repairs	2,142	2,989	2,667	3,447
Personal interest	1,515	2,173	1,733	1,084
Disability / Long term care ins	408	35	239	543
Life insurance payments	2,667	3,264	932	7,030
Personal property insurance	374	163	329	943
Miscellaneous	3,715	6,352	3,043	4,131
Total cash family living expense	64,019	64,878	58,398	87,630
Family living from the farm	149	461	-	130
Total family living	64,168	65,339	58,398	87,760
Other Nonfarm Expenditures				
Income taxes	13,835	4,576	14,043	30,871
Furnishing & appliance purchases	40	37	-	-
Nonfarm vehicle purchases	3,314	2,776	1,931	7,706
Nonfarm real estate purchases	17,110	323	74,340	106
Other nonfarm capital purchases	41	44	-1,385	-
Nonfarm savings & investments	5,134	10,295	2,691	5,254
Total other nonfarm expenditures	39,474	18,051	91,619	43,937
Total cash family living				
investment & nonfarm capital purch	103,493	82,929	150,017	131,567

# Operator and Labor Information North Dakota Farm Business Management Education Program State Report, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	421	84	84	85
Operator Information				
Average number of operators	1.1	1.1	1.1	1.2
Average age of operators	46.0	47.1	43.7	46.8
Average number of years farming	21.3	21.1	18.5	23.8
Results Per Operator				
Working capital	258,657	36,871	145,547	656,827
Total assets (cost)	2,325,793	1,786,566	1,931,186	3,805,491
Total liabilities	913,183	982,589	898,946	1,202,175
Net worth (cost)	1,412,610	803,977	1,032,239	2,603,316
Gross farm income	757,310	597,466	635,695	1,296,845
Total farm expense	652,588	634,755	561,503	999,464
Net farm income from operations	104,722	-37,289	74,191	297,380
Net nonfarm income	35,794	37,664	42,696	27,197
Family living & tax withdrawals	74,073	57,483	70,271	100,989
Total acres owned	596.4	438.6	539.9	789.1
Total crop acres	1,797.3	1,440.8	1,521.0	2,883.6
Crop acres owned	378.9	280.9	322.0	537.2
Crop acres cash rented	1,332.5	1,119.8	1,134.3	2,212.3
Crop acres share rented	85.9	40.1	64.7	134.1
Total pasture acres	354.3	451.6	305.8	222.6
Labor Analysis				
Number of farms	421	84	84	85
Total unpaid labor hours	2,018	1,861	1,832	2,607
Total hired labor hours	1,060	1,614	908	1,761
Total labor hours per farm	3,078	3,475	2,740	4,368
Unpaid hours per operator	1,839	1,718	1,710	2,152

# Nonfarm Summary North Dakota Farm Business Management Education Program State Report, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	421	84	84	85
Nonfarm Income				
Personal wages & salary	22,957	26,513	27,256	18,075
Net nonfarm business income	4,070	3,322	7,315	4,863
Personal rental income	2,427	2,550	-	2,257
Personal interest income	300	22	77	1,058
Personal cash dividends	104	115	135	147
Tax refunds	939	1,448	830	863
Other nonfarm income	8,482	6,832	10,133	5,693
Total nonfarm income	39,279	40,803	45,746	32,956
Gifts and inheritances	10,102	17,859	7,231	5,068

# Financial Summary North Dakota Farm Business Management Education Program State Report, 2018 (Farms Sorted By Gross Farm Income)

	Avg. Of All Farms	Less than 100,000	100,001 - 250,000	250,001 - 500,000	500,001 - 1,000,000	1,000,001- 2,000,000	Over 2,000,000
Number of farms	421	36	58	94	140	65	28
Income Statement							
Gross cash farm income	772,147	56,307	175,878	370,839	742,344	1,364,604	3,048,563
Total cash farm expense	645,845	62,727	162,433	307,277	610,902	1,127,705	2,589,647
Net cash farm income	126,303	-6,420	13,445	63,562	131,442	236,898	458,916
Inventory change	53,257	30,961	20,379	42,705	61,292	101,758	32,683
Depreciation	-64,640	-5,621	-12,981	-29,257	-62,655	-120,047	-247,612
Net farm income from operations	114,920	18,920	20,843	77,011	130,079	218,609	243,987
Gain or loss on capital sales	1,306	458	-6	-1,195	2,031	5,221	805
Average net farm income	116,227	19,379	20,837	75,816	132,110	223,830	244,792
Median net farm income	83,182	17,556	21,724	78,016	109,933	163,813	263,018
Profitability (cost)	4 = 0/	0.00/	4.0.07	4.0.07	/	/	0.00/
Rate of return on assets	4.5 %	2.3 %	1.6 %	4.9 %	5.2 %	5.3 %	2.9 %
Rate of return on equity	4.6 %	1.6 %	-1.8 %	5.4 %	5.6 %	6.0 %	1.8 %
Operating profit margin	12.2 %	10.4 %	4.7 %	14.7 %	14.1 %	13.8 %	7.5 %
Asset turnover rate	37.2 %	22.0 %	33.0 %	33.3 %	37.0 %	38.8 %	39.3 %
Liquidity & Repayment (end of y	vear)						
Current assets	564,869	97,707	141,082	361,341	644,334	1,138,121	1,991,512
Current liabilities	347,685	48,039	93,523	190,634	368,910	744,847	1,538,122
Current ratio	1.62	2.03	1.51	1.90	1.75	1.53	1.29
Working capital	217,184	49,667	47,558	170,707	275,425	393,274	453,390
Change in working capital	28,333	23,158	-382	22,878	46,762	33,123	3,182
Working capital to gross inc	30.8 %	55.6 %	23.8 %	41.6 %	34.6 %	26.9 %	16.8 %
Term debt coverage ratio	1.90	2.75	0.94	2.11	1.93	2.02	1.76
Replacement coverage ratio	1.33	2.26	0.78	1.50	1.33	1.37	1.23
Term debt to EBITDA	2.23	3.17	4.14	2.26	2.10	2.12	2.24
Solvency (end of year at cost)							
Number of sole proprietors	382	36	57	92	132	51	14
Total assets	2,222,848	501,932	723,773	1,568,170	2,548,582	4,312,126	6,371,444
Total liabilities	909,797	256,654	380,366	556,607	957,787	1,825,584	3,277,272
Net worth	1,313,050	245,278	343,408	1,011,564	1,590,796	2,486,543	3,094,171
Net worth change	75,923	45,879	12,875	68,803	93,748	134,243	76,135
Farm debt to asset ratio	44 %	52 %	57 %	40 %	40 %	46 %	54 %
Total debt to asset ratio	41 %	51 %	53 %	35 %	38 %	42 %	51 %
Change in earned net worth %	6 %	23 %	4 %	7 %	6 %	6 %	3 %
Nonfaura Infaura di as							
Nonfarm Information	20.070	40 44 4	45.000	47.450	07.007	00.000	07.000
Net nonfarm income	39,279	42,414	45,633	47,152	37,687	29,066	27,328
Farms reporting living expenses	125	8	20	34	49	12	2
Total family living expense	64,168	32,770	47,779	60,793	74,257	74,647	-
Crop Acres							
Total crop acres	1,972	296	603	1,194	2,077	3,431	5,670
Total crop acres owned	416	101	134	290	563	598	670
Total crop acres cash rented	1,462	169	423	802	1,406	2,692	4,918
Total crop acres share rented	94	27	45	102	108	141	82
Machinery value per crop acre	318	165	215	285	321	336	345

# Financial Summary North Dakota Farm Business Management Education Program State Report, 2018 (Farms Sorted By Age of Operator)

	Avg. Of MI Farms	Less Than 31	31 - 40	41 - 50	51 - 60	Over 60
Number of farms	421	70	85	77	105	84
Income Statement						
Gross cash farm income	772,147	346,081	715,101	763,511	1,090,186	795,297
Total cash farm expense	645,845	305,178	645,879	650,744	873,184	641,034
Net cash farm income	126,303	40,903	69,222	112,768	217,002	154,263
Inventory change	53,257	46,462	102,620	76,866	8,128	43,740
Depreciation	-64,640	-16,801	-49,793	-56,618	-97,952	-85,241
•						
Net farm income from operations	114,920	70,564	122,048	133,015 367	127,178	112,761
Gain or loss on capital sales	1,306	1,035	2,513		800	1,805
Average net farm income	116,227	71,599	124,561	133,382	127,978	114,566
Median net farm income	83,182	37,852	88,338	91,536	95,391	84,501
Profitability (cost)						
Rate of return on assets	4.5 %	7.7 %	6.4 %	5.8 %	3.7 %	3.1 %
Rate of return on equity	4.6 %	12.9 %	8.7 %	7.0 %	3.0 %	2.7 %
Operating profit margin	12.2 %	14.2 %	13.7 %	14.0 %	10.7 %	10.7 %
Asset turnover rate	37.2 %	54.2 %	46.3 %	41.1 %	34.7 %	28.8 %
Liquidity & Repayment (end of year)						
Current assets	564,869	257,051	565,304	544,922	773,050	609,363
Current liabilities	347,685	157,081	415,901	344,382	494,113	264,443
Current ratio	1.62	1.64	1.36	1.58	1.56	2.30
Working capital	217,184	99,970	149,402	200,540	278,937	344,919
Change in working capital	28,333	16,971	37,486	34,295	32,132	18,157
Working capital to gross inc	30.8 %	26.3 %	18.2 %	28.7 %	30.4 %	55.9 %
Term debt coverage ratio	1.90	2.42	1.94	2.07	1.56	2.11
	1.33	2.42	1.54	1.51	1.08	1.25
Replacement coverage ratio Term debt to EBITDA	2.23	2.03 2.15	2.38	2.24	2.50	1.25
Salvanov (and of year at east)						
Solvency (end of year at cost)	202	60	02	66	02	71
Number of sole proprietors	382	69	83	66	93	71
	2,222,848	846,711	1,975,114	2,238,511	3,043,053	2,760,910
Total liabilities	909,797	511,503	1,063,833	990,357	1,256,803	587,386
	1,313,050	335,208	911,281	1,248,154	1,786,249	2,173,523
Net worth change	75,923	62,479	86,193	106,027	45,263	89,157
Farm debt to asset ratio	44 %	61 %	55 %	48 %	45 %	24 %
Total debt to asset ratio	41 %	60 %	54 %	44 %	41 %	21 %
Change in earned net worth %	6 %	23 %	10 %	9 %	3 %	4 %
Nonfarm Information						
Net nonfarm income	39,279	30,860	36,928	48,372	29,258	52,867
Farms reporting living expenses	125	18	26	13	34	34
Total family living expense	64,168	48,521	63,296	72,865	66,166	67,794
Crop Acres						
Total crop acres	1,972	1,020	1,910	1,942	2,682	1,971
Total crop acres owned	416	82	213	413	601	670
Total crop acres cash rented	1,462	914	1,511	1,470	2,011	1,177
Total crop acres share rented	94	24	185	59	70	124
Machinery value per crop acre	318	161	259	293	338	433
madiling value per diop adie	010	101	200	200	000	700

# Financial Summary North Dakota Farm Business Management Education Program State Report, 2018 (Farms Sorted By Farm Type)

	Avg. Of All Farms	Сгор	Beef	Crop and Beef	Other
Number of farms	421	289	35	47	46
Income Statement					
Gross cash farm income	772,147	890,492	177,219	475,738	590,064
Total cash farm expense	645,845	729,381	140,409	419,425	561,667
Net cash farm income	126,303	161,111	36,810	56,313	28,397
Inventory change	53,257	59,354	1,662	41,921	86,736
Depreciation	-64,640	-79,605	-14,372	-33,473	-34,535
Net farm income from operations	114,920	140,860	24,100	64,760	80,599
Gain or loss on capital sales	1,306	1,300	-599	-1,266	5,437
	116,227	142,160	23,501		86,036
Average net farm income				63,495	
Median net farm income	83,182	100,955	11,077	71,790	30,717
Profitability (cost)					
Rate of return on assets	4.5 %	4.7 %	1.8 %	4.1 %	5.4 %
Rate of return on equity	4.6 %	4.9 %	-0.1 %	3.6 %	6.2 %
Operating profit margin	12.2 %	12.4 %	9.6 %	11.9 %	13.9 %
Asset turnover rate	37.2 %	37.9 %	18.6 %	34.5 %	39.1 %
Liquidity & Repayment (end of year	1				
Current assets	, 564,869	666,250	155,078	433,604	448,318
Current liabilities	347,685	386,961	97,687	325,653	348,352
Current ratio	1.62	1.72	1.59	1.33	1.29
Working capital	217,184	279,289	57,391	107,951	99,966
	28,333	35,416	-2,219	22,087	20,597
Change in working capital	30.8 %	34.2 %	36.0 %	20.2 %	14.6 %
Working capital to gross inc		34.2 % 2.11	1.12	1.31	14.6 %
Term debt coverage ratio	1.90				
Replacement coverage ratio Term debt to EBITDA	1.33 2.23	1.40 1.94	0.95 4.79	1.18 2.94	1.30 3.27
Only and of your of and a					
Solvency (end of year at cost)	000	055	0.4	40	4.5
Number of sole proprietors	382	255	34	46	45
Total assets	2,222,848	2,570,373	898,792	1,696,452	1,829,613
Total liabilities	909,797	974,815	420,621	852,402	983,504
Net worth	1,313,050	1,595,558	478,171	844,050	846,109
Net worth change	75,923	85,285	21,223	60,553	83,831
Farm debt to asset ratio	44 %	41 %	49 %	53 %	60 %
Total debt to asset ratio	41 %	38 %	47 %	50 %	54 %
Change in earned net worth %	6 %	6 %	5 %	8 %	11 %
Nonfarm Information					
Net nonfarm income	39,279	40,144	46,372	29,736	40,083
Farms reporting living expenses	125	<sup>′</sup> 78	<sup>′</sup> 12	<sup>′</sup> 16	19
Total family living expense	64,168	72,693	44,665	50,121	53,313
Crop Acres					
Total crop acres	1,972	2,343	527	1,493	1,213
Total crop acres owned	416	2,343 470	224	373	
Total crop acres owned  Total crop acres cash rented					274
	1,462	1,757	281	1,028	917
Total crop acres share rented  Machinery value per crop acre	94	116	22	92	22
	318	331	281	222	279

#### **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 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. 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.

Market Facilitation Payments, a 2018 USDA FSA program for commodities directly impacted by retaliatory tariffs, are included under "Other crop income per acre." "Government payments" are ARC and PLC payments which are not associated with specific crop planting.

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

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

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

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

### Barley on Owned Land

	Avg. Of All Farms
Number of farms	20
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	134.10 69.24 100.00 4.21 4.32 295.71 12.18 0.47 308.36
Direct Expenses Seed and plants 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	17.53 49.33 34.98 17.39 14.71 25.14 5.98 2.78 6.06 1.91 175.82 132.54
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	9.34 0.24 0.98 9.39 5.13 4.35 0.90 25.38 27.48 6.13 89.32 265.15 43.21
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	20.04 63.25 22.82 40.43
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.54 3.83 3.29 3.62
Net value per unit Machinery cost per acre Est. labor hours per acre	4.21 77.50 1.20

### Barley on Cash Rent

	Avg. Of	J 000/	40, 000/	115-d- 000/
N. 1 . 55	All Farms	<u>Low 20%</u>	<u>40 - 60%</u>	<u>High 20%</u>
Number of farms	40	8	8	8
Acres Yield per acre (bu.)	278.58 76.63	162.57 60.65	229.24 75.18	198.18 85.45
Operators share of yield %	100.00	100.00	100.00	100.00
Value per bu. Total product return per acre	4.11 314.92	3.76 228.27	3.90 293.12	4.15 354.35
Crop insurance per acre	5.46	10.22	8.52	10.82
Other crop income per acre	0.92	-	-	4.15
Gross return per acre	321.29	238.49	301.65	369.32
Direct Expenses				
Seed and plants	16.55	16.28	19.71	15.80
Fertilizer Crop chemicals	48.48 34.42	50.96 35.83	42.17 29.06	44.54 31.24
Crop insurance	15.52	11.69	11.03	10.03
Fuel & oil	13.55	14.85	12.64	13.65
Repairs	21.61	27.36	27.83	25.59
Custom hire Land rent	5.56 57.53	2.09 65.14	3.54 56.58	4.42 58.49
Machinery leases	0.12	0.88	-	-
Operating interest	6.13	6.35	1.63	7.59
Miscellaneous	1.33	1.95	2.46	- 044.05
Total direct expenses per acre Return over direct exp per acre	220.81 100.48	233.37 5.12	206.66 94.99	211.35 157.97
Notalli over direct exp per dere	100.40	0.12	J <del>1</del> .55	107.01
Overhead Expenses	4.45	0.00	0.00	0.07
Custom hire Hired labor	1.15 9.72	0.09 8.62	0.02 9.11	0.37 11.20
Machinery leases	2.44	2.66	4.30	3.64
Building leases	0.44	0.49	0.08	1.45
Farm insurance	4.11	4.61	5.66	4.21
Utilities Dues & professional fees	3.61 1.26	5.16 0.76	3.01 4.43	2.87 0.70
Interest	2.27	2.69	0.98	3.03
Mach & bldg depreciation	36.01	26.54	33.38	25.97
Miscellaneous	4.75	6.78	4.43	2.67
Total dir & overhead expenses per acre	65.76 286.57	58.39 291.76	65.41 272.07	56.11 267.45
Total dir & ovhd expenses per acre Net return per acre	34.72	-53.27	29.58	101.86
·				
Government payments Net return with govt pmts	13.88 48.61	14.66 -38.61	19.82 49.39	16.90 118.76
Labor & management charge	23.75	21.41	22.79	25.75
Net return over lbr & mgt	24.86	-60.02	26.60	93.01
Cost of Production				
Total direct expense per bu.	2.88	3.85	2.75	2.47
Total dir & ovhd exp per bu.	3.74	4.81	3.62	3.13
Less govt & other income	3.48	4.40	3.24	2.76
With labor & management	3.79	4.75	3.54	3.06
Net value per unit	4.11	3.76	3.90	4.15
Machinery cost per acre	80.13	74.57	79.31	74.42
Est. labor hours per acre	1.10	1.06	1.13	1.31

### Beans, Pinto on Owned Land

	Avg. Of <u>All Farms</u>
Number of farms	8
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	143.78 14.28 100.00 21.81 311.50 21.74 3.21 336.45
Direct Expenses Seed and plants 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	48.68 17.84 45.29 16.99 14.66 20.96 0.85 1.52 8.16 0.83 175.78 160.68
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	10.65 2.43 0.96 8.35 4.80 3.22 1.14 32.11 37.88 5.75 107.29 283.07 53.39
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	10.69 64.08 25.56 38.52
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	12.31 19.82 17.33 19.12
Net value per unit Machinery cost per acre Est. labor hours per acre	21.81 78.86 1.27

### Beans, Pinto on Cash Rent

	Avg. Of All Farms
Number of farms	17
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	437.98 14.48 100.00 22.02 319.00 44.08 0.60 363.68
Direct Expenses Seed and plants 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	55.45 37.98 55.24 24.11 14.57 22.01 1.03 2.96 61.97 2.27 8.97 0.83 287.40 76.28
Overhead Expenses  Hired labor Machinery leases Building leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	9.05 4.86 0.69 5.10 4.08 0.56 2.40 43.98 8.96 79.68 367.07 -3.39
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	12.29 8.89 27.64 -18.75
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	19.84 25.34 21.41 23.32
Net value per unit Machinery cost per acre Est. labor hours per acre	22.02 87.40 1.16

### Canola on Owned Land

	Avg. Of			
	<u>All Farms</u>	Low 20%	<u>40 - 60%</u>	<u> High 20%</u>
Number of farms	33	6	6	7
Acres	158.91	201.78	167.93	176.09
Yield per acre (cwt.)	18.90	15.80	19.48	22.75
Operators share of yield % Value per cwt.	100.00 15.89	100.00 15.81	100.00 15.26	100.00 16.17
Other product return per acre	0.48	-	-	-
Total product return per acre	300.87	249.82	297.30	367.93
Crop insurance per acre	6.19	13.92	-	-
Other crop income per acre Gross return per acre	0.33 307.38	263.74	297.30	367.93
	307.30	200.74	291.50	307.93
Direct Expenses	55.08	52.99	57.73	51.29
Seed and plants Fertilizer	50.40	52.41	43.93	42.89
Crop chemicals	32.67	40.89	23.69	33.61
Crop insurance	15.37	20.50	16.22	11.81
Fuel & oil	14.04	13.91	15.68	11.90
Repairs	19.93	22.28	21.44	15.33
Custom hire Hired labor	3.50 0.19	6.03 0.81	6.38	3.37
Machinery leases	0.13	0.52	- -	-
Operating interest	3.57	4.35	3.19	3.61
Miscellaneous	1.41	3.94	1.11	1.17
Total direct expenses per acre	196.28	218.63	189.37	175.00
Return over direct exp per acre	111.10	45.11	107.93	192.93
Overhead Expenses				
Custom hire	0.56	0.80	0.02	0.82
Hired labor	6.38 1.07	12.95 1.29	9.38 0.10	3.33 1.61
Machinery leases Building leases	0.43	1.29	0.41	1.14
RE & pers. property taxes	7.97	8.89	5.78	10.45
Farm insurance	5.05	6.52	3.84	5.35
Utilities	3.46	4.85	2.41	3.83
Dues & professional fees Interest	0.63 15.96	0.62 22.35	0.82 12.01	0.27 9.52
Mach & bldg depreciation	27.10	29.89	27.98	23.44
Miscellaneous	2.66	3.80	1.91	2.05
Total overhead expenses per acre	71.27	91.95	64.66	61.81
Total dir & ovhd expenses per acre	267.55	310.58	254.03	236.81
Net return per acre	39.83	-46.84	43.26	131.12
Government payments	21.06	15.28	18.80	26.51
Net return with govt pmts	60.89	-31.56	62.07	157.63
Labor & management charge	23.45 37.44	21.04 -52.60	20.59 41.48	29.25 128.38
Net return over lbr & mgt	37.44	-52.00	41.40	120.30
Cost of Production	40.00	40.00	0.70	7.00
Total direct expense per cwt. Total dir & ovhd exp per cwt.	10.38 14.15	13.83 19.65	9.72 13.04	7.69 10.41
Less govt & other income	12.67	17.80	12.07	9.24
With labor & management	13.91	19.14	13.13	10.53
Net value per unit	15.89	15.81	15.26	16.17
Machinery cost per acre	66.04	71.87	70.56	56.22
Est. labor hours per acre	1.28	1.34	1.32	1.25
·				

### Canola on Cash Rent

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	<u>- An r arms</u> 49	9	10	10
Acres Yield per acre (cwt.)	425.88 19.48	478.09 16.16	536.03 19.47	290.84 24.08
Operators share of yield %	100.00	100.00	100.00	100.00
Value per cwt.	15.84	15.06	15.81	16.02
Total product return per acre	308.48	243.36	307.95	385.70
Crop insurance per acre Other crop income per acre	5.82 1.07	6.51	3.95 3.28	0.38 1.65
Gross return per acre	315.37	249.87	315.18	387.72
Direct Expenses				
Seed and plants	55.00	61.16	57.56	53.50
Fertilizer	57.88	56.63	59.08	43.66
Crop chemicals Crop insurance	30.62 15.65	30.60 17.04	33.79 13.55	32.00 11.42
Fuel & oil	12.98	12.57	13.29	13.24
Repairs	22.97	22.98	23.76	25.63
Custom hire	4.65	8.33	1.37	2.32
Hired labor	0.70	1.44	- 	
Land rent Machinery leases	52.58 0.22	52.85 0.85	52.37	51.33
Operating interest	4.82	8.07	3.33	4.38
Miscellaneous	1.56	2.17	1.83	0.02
Total direct expenses per acre	259.64	274.69	259.93	237.49
Return over direct exp per acre	55.73	-24.82	55.25	150.23
Overhead Expenses				
Custom hire	1.56	0.74	0.59	1.15
Hired labor Machinery leases	5.81 3.18	5.94 2.04	4.88 6.28	6.16 5.27
Building leases	0.70	0.49	1.30	0.13
Farm insurance	4.13	3.72	4.02	3.31
Utilities	2.60	2.52	2.28	2.34
Dues & professional fees	0.66	1.22	0.62	0.24
Interest Mach & bldg depreciation	3.37 27.01	4.05 26.63	3.46 24.99	2.95 23.31
Miscellaneous	2.88	3.61	2.02	1.90
Total overhead expenses per acre	51.90	50.95	50.43	46.75
Total dir & ovhd expenses per acre	311.55	325.64	310.36	284.24
Net return per acre	3.83	-75.78	4.82	103.49
Government payments	16.82	10.56	20.20	19.76
Net return with govt pmts	20.64	-65.22	25.02	123.25
Labor & management charge	23.51	19.16	25.34	26.09
Net return over lbr & mgt	-2.86	-84.38	-0.32	97.16
Cost of Production	40.00	47.00	40.05	0.00
Total direct expense per cwt. Total dir & ovhd exp per cwt.	13.33 16.00	17.00 20.15	13.35 15.94	9.86 11.81
Less govt & other income	14.78	19.09	14.53	10.90
With labor & management	15.99	20.28	15.83	11.98
Net value per unit	15.84	15.06	15.81	16.02
Machinery cost per acre	74.32	76.93	72.48	72.52
Est. labor hours per acre	1.13	0.89	1.19	1.27
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### Canola on Share 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 Gross return per acre	97.46 18.34 74.59 16.19 221.53 221.53
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	65.48 43.38 28.01 7.63 12.44 28.52 2.20 1.61 0.55 189.80 31.72
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	1.94 7.01 5.39 0.24 2.88 1.36 0.97 2.00 19.55 1.81 43.14 232.94 -11.41
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	19.56 8.14 20.47 -12.33
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	13.87 17.02 15.60 17.09
Net value per unit Machinery cost per acre Est. labor hours per acre	16.19 70.29 1.41

#### Corn on Owned Land

	Avg. Of _All Farms	Low 20%	40 - 60%	High 20%
Number of farms	81	16	16	<u>- 111911 2021</u> 17
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	223.09 153.19 100.00 3.30 506.04 2.06 11.40 2.36 521.85	206.33 96.02 100.00 3.24 311.54 - 43.27 2.70 357.50	248.49 163.55 100.00 3.29 537.45 8.93 0.45 1.94 548.76	221.01 202.18 100.00 3.36 679.87 12.32 1.84 694.03
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Fuel & oil Repairs Custom hire Hired labor Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	88.56 102.29 26.07 19.78 12.19 21.76 39.17 4.91 0.66 1.45 11.22 1.93 330.00 191.86	83.25 87.92 26.97 16.02 3.62 19.69 38.73 5.74 0.98 0.72 10.66 1.42 295.72 61.78	85.67 108.74 29.52 18.94 13.09 19.26 44.94 5.87 1.42 5.13 6.43 3.22 342.22 206.54	92.27 109.09 26.14 24.88 22.16 24.79 33.81 4.92 0.61 14.06 0.45 353.18 340.85
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	0.88 17.98 4.15 0.41 14.26 6.68 5.28 2.39 43.83 49.40 4.20 149.46 479.46 42.39	0.55 21.26 4.60 13.63 5.28 4.97 0.87 67.46 46.69 6.05 171.36 467.09 -109.59	0.12 11.13 2.97 0.75 12.98 8.22 5.82 1.39 51.57 52.57 4.32 151.82 494.05 54.71	1.78 21.59 2.25 0.45 19.93 6.92 7.10 3.68 23.33 45.49 2.03 134.55 487.72 206.30
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	10.30 52.69 39.17 13.52	12.94 -96.64 34.04 -130.68	17.07 71.79 39.35 32.44	0.34 206.64 44.26 162.37
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.15 3.13 2.96 3.22	3.08 4.86 4.25 4.61	2.09 3.02 2.85 3.09	1.75 2.41 2.34 2.56
Net value per unit Machinery cost per acre Est. labor hours per acre	3.32 121.06 1.85	3.24 117.26 1.98	3.34 126.41 1.95	3.36 112.99 1.92

#### Corn on Cash Rent

	Avg. Of _All Farms	Low 20%	<u>40 - 60%</u>	High 20%
Number of farms	125	25	25	25
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre	546.91 153.92 100.00 3.32 0.02 510.91	634.71 107.95 100.00 3.27 - 352.74	343.67 164.89 100.00 3.32 - 548.16	511.03 196.12 100.00 3.32 651.71
Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	1.01 14.14 3.89 529.95	36.28 4.57 393.59	1.16 4.88 5.18 559.39	0.75 4.39 656.85
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense 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	86.54 97.52 23.66 17.05 11.72 21.97 36.59 5.01 0.58 102.67 0.78 12.59 2.15 418.82 111.13	83.28 92.84 22.55 13.83 3.37 19.11 29.50 8.54 1.25 88.26 0.62 18.11 0.65 381.91 11.68	92.44 107.54 30.32 16.72 15.24 27.24 46.84 2.52 0.09 102.24 2.79 12.77 1.16 457.89 101.50	86.38 100.18 23.26 19.54 14.63 21.11 30.67 3.37 113.68 0.15 9.47 1.65 424.10 232.75
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	1.44 18.48 10.00 0.61 5.79 5.15 3.07 4.52 45.14 4.53 98.73 517.54 12.40	2.57 18.65 13.82 0.03 4.83 4.69 2.59 4.22 49.00 5.67 106.07 487.98 -94.39	1.15 12.58 10.56 0.65 5.80 7.05 2.23 4.63 37.12 2.58 84.34 542.23 17.15	0.08 23.25 7.91 0.15 5.57 5.45 2.56 2.71 36.24 2.90 89.81 513.90 142.94
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	6.04 18.44 37.79 -19.35	8.87 -85.52 33.14 -118.66	9.17 26.33 47.38 -21.06	1.54 144.49 34.96 109.53
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.72 3.36 3.20 3.44	3.54 4.52 4.06 4.37	2.78 3.29 3.16 3.45	2.16 2.62 2.59 2.76
Net value per unit Machinery cost per acre Est. labor hours per acre	3.33 120.93 1.69	3.27 121.98 1.62	3.33 131.14 1.91	3.32 101.88 1.62

#### Corn on Share Rent

	Avg. Of All Farms
Number of farms	9
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	164.42 186.98 67.87 3.25 412.36 0.87 0.45 2.02 415.69
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Fuel & oil Repairs Custom hire Hired labor Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	77.27 100.68 17.83 12.93 18.84 19.64 33.78 0.65 1.93 1.71 0.71 285.98 129.72
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	1.98 11.54 1.59 1.08 6.73 7.33 1.09 1.57 52.77 1.81 87.49 373.47 42.23
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	2.44 44.67 35.63 9.03
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.25 2.94 2.90 3.18
Net value per unit Machinery cost per acre Est. labor hours per acre	3.26 109.24 1.83

# Corn Silage 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 Gross return per acre	72.71 17.35 100.00 28.57 495.78 495.78
Direct Expenses  Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	75.46 54.55 18.55 11.64 23.79 39.43 68.59 9.05 0.50 301.56 194.22
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	2.70 7.80 0.98 0.46 5.36 4.04 3.31 1.16 17.49 40.38 3.03 86.72 388.28 107.50
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	19.12 126.62 35.91 90.71
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	17.38 22.37 21.27 23.34
Net value per unit Machinery cost per acre Est. labor hours per acre	28.57 174.92 2.81

# Corn Silage on Cash Rent

	Avg. Of All Farms
Number of farms	13
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	126.94 18.60 100.00 28.74 534.42 2.00 4.29 540.71
Direct Expenses  Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	83.52 84.42 25.76 17.75 21.34 36.00 26.86 88.28 8.28 0.04 392.26 148.45
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	1.21 24.31 3.61 5.72 4.64 2.64 9.37 38.47 3.70 93.67 485.92 54.79
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	4.76 59.54 41.27 18.27
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	21.09 26.13 25.53 27.75
Net value per unit Machinery cost per acre Est. labor hours per acre	28.74 132.93 2.06

#### CRP on Owned Land

	Avg. Of			
	All Farms	Low 20%	40 - 60%	High 20%
Number of farms	29	5	6	6
Acres	126.29	134.70	151.35	130.87
Yield per acre (\$)	56.39	74.30	31.65	84.83
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	56.39	74.30	31.65	84.83
Gross return per acre	56.39	74.30	31.65	84.83
Direct Expenses				
Crop chemicals	0.41	-	0.29	1.56
Fuel & oil	0.77	1.44	0.19	1.23
Repairs	1.90	3.54	0.88	2.79
Miscellaneous	0.20	0.36	0.09	0.38
Total direct expenses per acre	3.29	5.33	1.44	5.96
Return over direct exp per acre	53.10	68.97	30.20	78.87
Overhead Expenses				
Hired labor **	0.37	1.40	0.08	0.21
RE & pers. property taxes	7.52	10.87	3.43	9.29
Farm insurance	1.83	6.52	0.91	1.30
Utilities	0.26	0.52	0.15	0.20
Dues & professional fees	0.21	0.70	0.19	0.00
Interest	26.32	105.06	3.58	2.84
Mach & bldg depreciation	1.61	2.84	1.42	1.85
Miscellaneous	0.50	0.71	0.44	1.03
Total overhead expenses per acre	38.62	128.61	10.21	16.72
Total dir & ovhd expenses per acre	41.91	133.94	11.65	22.69
Net return per acre	14.48	-59.64	19.99	62.15

#### Flax on Owned Land

	Avg. Of All Farms
Number of farms	8
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	161.03 25.24 100.00 9.78 246.81 1.36 248.17
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	13.70 25.52 21.63 15.23 10.05 13.54 5.31 2.77 0.61 108.36 139.81
Overhead Expenses Custom hire Hired labor 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	1.57 5.15 6.26 4.46 2.44 9.05 31.73 4.38 65.03 173.39 74.78
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	14.18 88.95 21.13 67.83
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	4.29 6.87 6.26 7.09
Net value per unit Machinery cost per acre Est. labor hours per acre	9.78 64.08 1.34

#### Flax on Cash Rent

	Avg. Of All Farms
Number of farms	5
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	140.60 19.02 100.00 9.72 184.81 1.79 186.60
Direct Expenses Seed and plants 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	13.97 29.03 26.20 10.11 7.11 12.82 15.33 41.82 1.89 2.61 0.49 161.38 25.22
Overhead Expenses  Hired labor Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	1.45 2.74 3.01 0.35 1.22 21.20 4.12 34.09 195.46 -8.87
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	20.02 11.16 24.40 -13.24
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	8.48 10.28 9.13 10.41
Net value per unit Machinery cost per acre Est. labor hours per acre	9.72 55.89 0.97

# Hay, Alfalfa on Owned Land

	Avg. Of All Farms
Number of farms	18
Acres Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Other crop income per acre Gross return per acre	133.02 2.46 100.00 78.82 193.74 2.18 195.92
Direct Expenses Seed and plants Fertilizer Fuel & oil Repairs Custom hire Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	0.85 5.37 10.55 18.53 3.01 4.14 4.63 0.02 47.11 148.81
Overhead Expenses  Hired labor Machinery leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	8.71 2.34 8.35 3.29 3.41 0.96 42.87 16.25 2.18 88.37 135.48 60.44
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	0.06 60.50 16.64 43.86
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	19.17 55.12 54.21 60.98
Net value per unit Machinery cost per acre Est. labor hours per acre	78.82 56.79 0.99

# Hay, Alfalfa on Cash Rent

	Avg. Of All Farms
Number of farms	13
Acres Yield per acre (ton) Operators share of yield % Value per ton Other product return per acre Total product return per acre Crop insurance per acre Gross return per acre	153.74 1.72 100.00 79.39 0.20 136.54 3.06 139.60
Direct Expenses  Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Hired labor Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	3.78 6.24 0.21 1.75 7.44 13.69 1.01 43.25 1.97 0.90 80.24 59.36
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	2.43 2.88 0.39 3.81 3.71 1.63 3.53 19.55 4.02 41.95 122.19 17.41
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	5.15 22.56 16.77 5.79
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	46.72 71.15 66.26 76.02
Net value per unit Machinery cost per acre Est. labor hours per acre	79.39 44.88 1.09

# Hay, Grass on Owned Land

	Avg. Of All Farms
Number of farms	11
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	148.32 1.12 100.00 39.32 43.86 0.02 0.46 44.34
Direct Expenses Fuel & oil Repairs Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	7.17 14.69 1.13 0.11 23.09 21.25
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	0.89 0.38 0.02 3.10 1.07 1.26 0.46 7.47 12.53 1.42 28.61 51.70 -7.36
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	0.22 -7.14 12.58 -19.72
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management  Net value per unit Machinery cost per acre Est. labor hours per acre	20.70 46.34 45.72 56.99 39.32 35.37 1.04

# Hay, Grass 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 Other crop income per acre Gross return per acre	205.61 1.05 100.00 47.14 49.42 0.10 1.65 51.17
Direct Expenses Fuel & oil Repairs Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	7.51 11.53 20.13 1.78 0.67 41.62 9.55
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	1.20 0.66 1.38 1.04 0.50 0.85 14.73 1.53 21.89 63.51 -12.34
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	0.19 -12.15 12.60 -24.75
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management  Net value per unit Machinery cost per acre Est. labor hours per acre	39.69 60.58 58.73 70.74 47.14 34.65 0.89

# Hay, Mixed Alfalfa/Grass on Owned Land

	Avg. Of All Farms
Number of farms	23
Acres Yield per acre (ton) Operators share of yield % Value per ton Other product return per acre Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	168.42 1.23 100.00 55.96 0.39 69.07 1.53 0.36 70.96
Direct Expenses Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	0.69 0.19 0.79 8.16 13.38 2.53 1.70 0.27 27.71 43.25
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	0.17 2.51 0.26 4.28 3.91 2.49 1.11 14.94 13.47 2.54 45.67 73.39 -2.42
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	1.50 -0.92 13.27 -14.19
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	22.58 59.79 56.71 67.52
Net value per unit Machinery cost per acre Est. labor hours per acre	55.96 39.59 0.92

## Hay, Mixed Alfalfa/Grass 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	154.51 1.27 100.00 56.32 71.48 0.91 1.56 73.95
Direct Expenses Fertilizer Crop insurance Fuel & oil Repairs Hired labor Land rent Operating interest Total direct expenses per acre Return over direct exp per acre	0.40 0.45 8.78 13.72 1.43 23.63 1.93 50.34 23.61
Overhead Expenses Custom hire Hired labor Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	0.69 0.30 4.10 3.36 2.30 3.01 15.22 3.42 32.42 82.75 -8.81
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	3.62 -5.19 15.10 -20.28
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	39.66 65.20 60.40 72.30
Net value per unit Machinery cost per acre Est. labor hours per acre	56.32 39.44 0.91

# Hay, Small Grain on Owned Land

	Avg. Of All Farms
Number of farms	15
Acres Yield per acre (ton) Operators share of yield % Value per ton Other product return per acre Total product return per acre Gross return per acre	99.53 2.07 100.00 58.93 0.17 122.33 122.33
Direct Expenses Seed and plants Fertilizer Crop chemicals Fuel & oil Repairs Custom hire Hired labor Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	19.03 18.90 9.88 9.18 17.40 3.77 0.79 2.68 0.68 82.31 40.02
Overhead Expenses  Hired labor  RE & pers. property taxes  Farm insurance  Utilities  Dues & professional fees Interest  Mach & bldg depreciation  Miscellaneous  Total overhead expenses per acre  Total dir & ovhd expenses per acre  Net return per acre	4.30 4.40 3.89 2.91 1.29 15.87 16.35 5.51 54.51 136.82 -14.49
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	27.39 12.90 15.12 -2.22
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management  Net value per unit Machinery cost per acre Est. labor hours per acre	39.70 66.00 52.71 60.00 58.93 48.39 1.17

## Hay, Small Grain on Cash Rent

	Avg. Of All Farms
Number of farms	18
Acres Yield per acre (ton) Operators share of yield % Value per ton Other product return per acre Total product return per acre Other crop income per acre Gross return per acre	85.58 1.74 100.00 56.74 1.53 100.11 0.15 100.26
Direct Expenses  Seed and plants 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	24.92 23.42 13.38 1.42 10.81 15.59 7.81 38.06 2.28 0.58 138.25 -37.99
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	0.38 2.51 0.45 3.97 2.80 1.94 3.65 12.33 6.06 34.09 172.34 -72.08
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	11.66 -60.42 18.98 -79.40
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	79.56 99.18 91.51 102.43
Net value per unit Machinery cost per acre Est. labor hours per acre	56.74 49.21 1.35

#### 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. Total product return per acre Crop insurance per acre Gross return per acre	87.76 59.07 100.00 2.74 161.98 5.92 167.89
Direct Expenses Seed and plants 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	11.74 26.30 21.92 7.15 10.26 17.29 10.20 45.67 4.28 0.82 155.63 12.26
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	0.36 5.00 1.11 0.36 3.30 1.95 1.97 1.98 17.05 1.77 34.85 190.48 -22.59
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	17.93 -4.66 18.26 -22.92
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.63 3.22 2.82 3.13
Net value per unit Machinery cost per acre Est. labor hours per acre	2.74 56.19 1.02

#### Pasture on Owned Land

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	47	9	10	10
Acres	578.62	180.03	759.40	489.47
Yield per acre (aum)	0.87	0.90	0.79	1.18
Operators share of yield %	100.00	100.00	100.00	100.00
Value per aum	18.11	21.60	17.30	20.70
Other product return per acre	0.02	-	0.08	-
Total product return per acre	15.82	19.44	13.82	24.36
Crop insurance per acre	0.53	-	0.17	0.01
Other crop income per acre	0.44	-	-	2.14
Gross return per acre	16.78	19.44	13.99	26.51
Direct Expenses				
Fuel & oil	0.47	0.80	0.37	0.64
Repairs	0.81	1.43	0.63	0.79
Hired labor	0.03	0.53	-	-
Miscellaneous	0.65	0.58	0.80	0.16
Total direct expenses per acre	1.96	3.34	1.80	1.59
Return over direct exp per acre	14.82	16.09	12.20	24.93
Overhead Expenses				
RE & pers. property taxes	2.77	5.74	2.54	3.19
Farm insurance	0.30	1.07	0.25	0.56
Interest	6.33	23.80	5.20	2.92
Mach & bldg depreciation	0.77	0.85	0.64	1.17
Miscellaneous	0.63	0.90	0.61	0.76
Total overhead expenses per acre	10.81	32.36	9.23	8.60
Total dir & ovhd expenses per acre	12.77	35.70	11.03	10.19
Net return per acre	4.01	-16.27	2.97	16.32

#### Pasture on Cash Rent

	Avg. Of		40000/	U. 1 000/
	All Farms	Low 20%	40 - 60%	High 20%
Number of farms	64	12	13	13
Acres	1,051.17	930.53	1,278.55	709.84
Yield per acre (aum)	0.88	0.74	0.78	1.17
Operators share of yield %	100.00	100.00	100.00	100.00
Value per aum	19.10	16.61	16.92	21.26
Other product return per acre	0.02	-	0.09	-
Total product return per acre	16.84	12.37	13.36	24.79
Crop insurance per acre	0.29	-	=	-
Other crop income per acre	0.43	-	=	1.84
Gross return per acre	17.56	12.37	13.36	26.63
Direct Expenses				
Fuel & oil	0.46	0.54	0.31	0.48
Repairs	0.68	0.76	0.40	0.76
Hired labor	0.13	0.76	-	0.06
Land rent	15.34	18.98	12.48	14.97
Miscellaneous	0.50	0.94	0.19	0.32
Total direct expenses per acre	17.12	21.97	13.37	16.59
Return over direct exp per acre	0.44	-9.61	-0.02	10.04
Overhead Expenses				
Farm insurance	0.35	0.99	0.17	0.24
Mach & bldg depreciation	0.80	1.10	0.54	0.92
Miscellaneous	0.90	1.97	0.83	0.65
Total overhead expenses per acre	2.06	4.06	1.53	1.80
Total dir & ovhd expenses per acre	19.18	26.03	14.90	18.39
Net return per acre	-1.62	-13.66	-1.55	8.24

## Peas, Field 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. Total product return per acre Crop insurance per acre Gross return per acre	111.87 36.38 100.00 6.17 224.36 6.37 230.73
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	33.07 11.43 37.21 17.93 11.38 15.10 3.29 1.27 0.62 6.82 0.37 138.49 92.24
Overhead Expenses Hired labor Machinery leases Building leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	7.93 0.09 0.78 8.90 3.93 2.25 0.61 19.58 32.08 3.93 80.08 218.58 12.16
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	7.02 19.18 25.42 -6.24
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.81 6.01 5.64 6.34
Net value per unit Machinery cost per acre Est. labor hours per acre	6.17 62.01 1.40

## Peas, Field on Cash Rent

	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 Other crop income per acre Gross return per acre	320.17 37.44 100.00 7.18 268.69 16.53 2.43 287.66
Direct Expenses  Seed and plants 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	39.61 11.45 40.25 17.01 11.08 20.08 3.94 4.52 58.86 2.33 7.08 1.43 217.63 70.03
Overhead Expenses  Hired labor Machinery leases Building leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	5.25 3.83 0.92 5.41 3.94 0.52 3.27 24.59 8.42 56.15 273.78 13.88
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	17.42 31.29 21.81 9.48
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 Machinery cost per acre	5.81 7.31 6.34 6.92 7.18 64.51
Est. labor hours per acre	1.11

## Prevented planting on Owned Land

	Avg. Of All Farms
Number of farms	7
Acres Yield per acre Operators share of yield % Value per 0 Total product return per acre Crop insurance per acre Gross return per acre	69.91 - - - 142.40 142.40
Direct Expenses Crop chemicals Cover crop expense Crop insurance Fuel & oil Repairs Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	1.56 0.83 16.20 4.87 8.13 1.60 0.44 33.62 108.78
Overhead Expenses  Hired labor Machinery leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	2.94 0.19 7.42 4.98 5.09 0.87 42.63 8.26 7.08 79.45 113.07 29.33
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	11.42 40.75 7.87 32.87
Machinery cost per acre Est. labor hours per acre	24.13 0.43

# Soybeans on Owned Land

	Avg. Of	L 200/	40 60%	Uinh 200/
	AII Farms	Low 20%	<u>40 - 60%</u>	<u>High 20%</u>
Number of farms	122	24	25	25
Acres	294.72	256.66	367.14	249.42
Yield per acre (bu.)	36.02	25.51	35.93	52.09
Operators share of yield %	100.00 8.34	100.00 8.48	100.00 8.17	100.00 8.65
Value per bu. Total product return per acre	300.31	216.23	293.35	450.81
Hedging gains/losses per acre	0.39	-	-	-
Crop insurance per acre	21.57	42.30	8.35	5.09
Other crop income per acre	56.78	42.99	52.79	87.09
Gross return per acre	379.06	301.52	354.48	542.99
Direct Expenses				
Seed and plants	63.83	67.47	67.09	56.85
Fertilizer	9.46	15.85	11.30	5.21
Crop chemicals	31.47 16.59	40.35 20.66	24.09 14.20	35.61 18.75
Crop insurance Fuel & oil	13.82	13.40	13.77	15.22
Repairs	22.16	27.41	19.96	26.26
Custom hire	4.43	4.75	3.88	4.66
Machinery leases	1.22	1.32	0.25	5.06
Operating interest	6.05	6.11	6.83	7.94
Miscellaneous	1.66	3.41	1.18 162.56	0.98 176.54
Total direct expenses per acre Return over direct exp per acre	170.68 208.38	200.74 100.79	191.92	366.44
rteturi over direct exp per acre	200.30	100.79	191.92	300.44
Overhead Expenses				
Custom hire	1.33	1.09	2.09	2.71
Hired labor	9.09 2.22	5.47 3.68	10.62 1.12	10.16 3.45
Machinery leases Building leases	0.34	0.03	0.56	0.24
RE & pers. property taxes	12.04	9.00	9.10	20.45
Farm insurance	5.88	5.76	5.19	6.91
Utilities	4.31	4.66	3.35	6.24
Dues & professional fees	1.87	1.26	1.20	3.91
Interest Mach & bldg depreciation	31.34	57.88 30.29	17.64 46.06	31.11 28.19
Mach & bldg depreciation Miscellaneous	34.00 4.28	50.29 5.93	46.06 4.68	4.06
Total overhead expenses per acre	106.70	125.04	101.63	117.43
Total dir & ovhd expenses per acre	277.38	325.78	264.18	293.97
Net return per acre	101.68	-24.26	90.30	249.02
Government payments	11.95	21.16	12.49	2.44
Net return with govt pmts	113.63	-3.10	102.78	251.46
Labor & management charge	24.94	25.35	23.88	30.05
Net return over lbr & mgt	88.70	-28.46	78.90	221.41
Cost of Production				
Total direct expense per bu.	4.74	7.87	4.52	3.39
Total dir & ovhd exp per bu.	7.70	12.77	7.35	5.64
Less govt & other income	5.18	8.60	5.30	3.83
With labor & management	5.87	9.59	5.97	4.40
Net value per unit	8.35	8.48	8.17	8.65
Machinery cost per acre	79.21	81.79	86.26	85.26
Est. labor hours per acre	1.20	1.21	1.26	1.18

# Soybeans on Cash Rent

	Avg. Of			
	All Farms	Low 20%	<u>40 - 60%</u>	<u> High 20%</u>
Number of farms	187	37	38	38
Acres	799.76	744.76	805.94	818.97
Yield per acre (bu.)	36.56	27.70	36.46	49.23
Operators share of yield %	100.00	100.00	100.00	100.00
Value per bu.	8.27	8.06	8.19	8.59
Total product return per acre Hedging gains/losses per acre	302.31 1.67	223.22	298.46 2.32	422.68 0.48
Crop insurance per acre	25.51	40.99	16.32	5.59
Other crop income per acre	57.91	39.98	56.51	81.12
Gross return per acre	387.40	304.19	373.61	509.86
Direct Expenses				
Seed and plants	61.72	64.22	60.46	51.54
Fertilizer	9.92	10.03	10.39	5.79
Crop chemicals	30.24	34.17	30.46	30.14
Crop insurance	16.52	18.02	18.03	17.84
Fuel & oil	13.18 22.62	12.92 25.34	14.68 20.99	13.30 23.77
Repairs Custom hire	2.58	3.64	2.45	2.63
Land rent	81.53	76.80	73.40	111.61
Machinery leases	1.63	4.77	0.75	1.97
Operating interest	6.35	8.46	7.65	6.04
Miscellaneous	1.49	0.93	1.61	0.62
Total direct expenses per acre	247.78	259.29	240.86	265.25
Return over direct exp per acre	139.61	44.90	132.75	244.61
Overhead Expenses	0.00	4.07	0.00	0.40
Custom hire	0.80	1.27	0.69	0.46
Hired labor	11.40 4.62	9.34 5.48	10.32	16.84 6.02
Machinery leases Building leases	0.41	0.14	6.00 0.60	0.02
Farm insurance	4.98	5.17	4.92	4.81
Utilities	3.68	3.68	3.38	3.80
Dues & professional fees	2.49	1.50	1.61	3.25
Interest	3.25	4.21	2.23	3.74
Mach & bldg depreciation	29.52	30.43	34.65	25.99
Miscellaneous	3.65	4.79	4.60	2.79
Total overhead expenses per acre	64.80	66.01	69.01	68.10
Total dir & ovhd expenses per acre Net return per acre	312.58 74.82	325.30 -21.11	309.88 63.74	333.35 176.51
Government payments	10.84	17.14	11.27	2.26
Net return with govt pmts	85.66	-3.97	75.00	178.78
Labor & management charge	23.62	24.48	23.91	25.14
Net return over lbr & mgt	62.04	-28.45	51.09	153.64
Cost of Production	2 -2	2.22	2.24	
Total direct expense per bu.	6.78	9.36	6.61	5.39
Total dir & ovhd exp per bu.	8.55 5.03	11.74 8.20	8.50 6.13	6.77
Less govt & other income With labor & management	5.93 6.57	8.20 9.09	6.78	4.95 5.47
-				
Net value per unit	8.32	8.06	8.25	8.60
Machinery cost per acre	75.74	85.80	79.26	75.94
Est. labor hours per acre	1.12	1.09	1.13	1.26

## Soybeans on Share Rent

	Avg. Of <u>All Farms</u>	Low 20%	<u>40 - 60%</u>	High 20%
Number of farms	29	5	6	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	291.12 37.80 69.03 8.27 215.72 0.33 14.06 43.31 273.41	191.37 29.82 57.04 8.34 141.95 19.83 27.52 189.30	457.68 37.05 69.10 8.25 211.31 - 14.72 41.77 267.81	378.74 45.45 71.94 8.52 278.48 1.21 12.04 55.03 346.76
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	59.47 8.66 28.01 13.15 12.03 21.02 4.43 0.39 0.38 3.30 0.79 151.63 121.78	74.89 19.40 23.74 9.60 8.58 20.19 4.07 - 5.91 0.63 167.02 22.27	59.61 3.55 36.03 11.92 12.89 23.88 1.87 1.20 0.90 1.90 0.73 154.48 113.32	50.07 10.80 24.14 13.57 12.55 20.30 - - 2.04 0.99 134.46 212.30
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	0.71 5.35 2.65 0.41 5.72 4.10 0.96 2.08 33.17 2.63 57.77 209.40 64.01	1.46 9.15 1.25 5.94 2.40 3.52 0.74 39.76 4.72 68.96 235.98 -46.68	3.43 5.96 0.45 4.73 4.16 0.58 1.94 39.20 3.56 64.03 218.52 49.29	0.01 8.57 1.67 0.91 9.03 5.93 1.09 2.22 24.42 1.76 55.63 190.08 156.68
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	9.66 73.67 21.70 51.97	10.18 -36.50 23.45 -59.95	14.58 63.87 22.62 41.25	2.55 159.23 18.54 140.69
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	5.81 8.02 5.44 6.27	9.82 13.87 10.49 11.87	6.03 8.54 5.76 6.64	4.11 5.81 3.65 4.21
Net value per unit Machinery cost per acre Est. labor hours per acre	8.28 74.59 1.08	8.34 72.70 1.21	8.25 85.13 0.91	8.55 59.77 1.13

#### Soybeans, Food on Cash Rent

	Avg. Of All Farms
Number of farms	8
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	298.10 37.41 100.00 10.89 407.37 13.01 63.47 483.85
Direct Expenses Seed and plants 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	35.69 6.15 40.37 17.30 14.78 29.68 4.50 126.74 0.63 8.53 1.24 285.59 198.25
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	0.93 7.45 5.67 6.54 4.88 5.68 4.36 34.84 2.65 72.99 358.58 125.26
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	8.53 133.80 29.97 103.82
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	7.63 9.59 7.31 8.11
Net value per unit Machinery cost per acre Est. labor hours per acre	10.89 93.88 1.03

# Sugar Beets on Owned Land

	Avg. Of <u>All Farms</u>
Number of farms	12
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	126.64 22.96 100.00 34.34 788.39 0.11 26.24 814.73
Direct Expenses  Seed and plants 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	200.30 78.08 126.32 31.01 65.74 88.40 16.65 30.37 18.48 15.02 1.63 672.00 142.73
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	56.20 13.52 1.15 27.32 7.71 10.34 2.90 76.40 100.53 5.50 301.57 973.57 -158.84
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	1.19 -157.65 103.01 -260.66
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	29.27 42.41 41.21 45.69
Net value per unit Machinery cost per acre Est. labor hours per acre	34.34 292.40 4.16

# Sugar Beets 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 Other crop income per acre Gross return per acre	238.42 24.31 100.00 35.06 852.35 3.99 18.83 875.17
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Land rent Stock/quota lease Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	194.07 81.42 118.85 28.95 63.47 109.86 14.32 23.82 133.37 59.63 0.09 24.58 1.42 853.85 21.32
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	4.86 54.66 22.26 0.73 7.56 8.84 3.76 8.79 87.59 5.41 204.45 1,058.30 -183.13
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	0.60 -182.53 89.75 -272.27
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	35.12 43.53 42.57 46.26
Net value per unit Machinery cost per acre Est. labor hours per acre	35.06 307.84 4.42

#### Sunflowers on Owned Land

	Avg. Of All Farms
Number of farms	6
Acres Yield per acre (cwt.) Operators share of yield % Value per cwt. Total product return per acre Gross return per acre	115.83 21.44 100.00 16.64 356.79 356.79
Direct Expenses  Seed and plants 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	39.10 36.45 32.45 14.65 4.21 12.23 16.23 4.30 10.44 1.45 171.51 185.28
Overhead Expenses  Hired labor Machinery leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	3.10 1.16 14.10 4.87 3.96 1.22 26.86 31.67 3.89 90.81 262.33 94.46
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	10.88 105.34 24.90 80.44
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	8.00 12.23 11.73 12.89
Net value per unit Machinery cost per acre Est. labor hours per acre	16.64 69.04 1.11

#### Sunflowers on Cash Rent

	Avg. Of All Farms
Number of farms	22
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	409.96 21.21 100.00 17.88 379.25 0.63 1.66 381.54
Direct Expenses Seed and plants 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	36.26 39.72 40.26 13.26 14.02 20.25 10.26 65.95 1.70 6.28 0.70 248.66 132.87
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	2.23 8.04 2.07 1.10 4.11 2.78 1.49 3.27 25.20 3.71 53.99 302.65 78.88
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	11.12 90.00 22.81 67.19
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	11.73 14.27 13.64 14.72
Net value per unit Machinery cost per acre Est. labor hours per acre	17.88 76.45 1.11

## Wheat, Durum on Owned Land

	Avg. Of All Farms
Number of farms	7
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	242.79 48.23 100.00 5.66 272.81 0.00 56.13 18.32 347.26
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	18.85 50.58 44.73 15.38 11.91 19.87 12.18 2.41 6.41 0.25 182.56 164.70
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	0.31 3.50 0.71 5.40 5.06 2.91 2.01 23.33 31.31 3.31 77.85 260.42 86.85
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	13.91 100.76 21.03 79.72
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.79 5.40 3.57 4.00
Net value per unit Machinery cost per acre Est. labor hours per acre	5.66 77.36 0.85

## Wheat, Durum on Cash Rent

	Avg. Of <u>All Farms</u>
Number of farms	15
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	570.91 53.38 100.00 5.42 2.64 291.83 10.60 8.02 310.45
Direct Expenses Seed and plants 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	20.01 48.70 38.15 12.26 12.74 21.17 5.59 0.75 52.31 1.66 6.70 0.50 220.55 89.90
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	2.23 8.36 1.42 4.42 2.84 3.16 4.29 28.58 3.31 58.62 279.18 31.27
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	16.56 47.84 21.01 26.82
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	4.13 5.23 4.52 4.92
Net value per unit Machinery cost per acre Est. labor hours per acre	5.42 73.36 0.90

# Wheat, Spring on Owned Land

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	102	20	21	<u><b>g</b></u> 21
Acres Yield per acre (bu.)	319.47 55.73	265.90 50.67	248.87 58.32	289.39 64.19
Operators share of yield %	100.00	100.00	100.00	100.00
Value per bu. Other product return per acre	5.23 0.55	5.37 0.06	5.23 0.12	5.27 0.47
Total product return per acre	291.81	271.91	305.35	338.88
Hedging gains/losses per acre Crop insurance per acre	0.16 5.63	8.45	0.38 5.00	0.51
Other crop income per acre	9.84	10.12	11.07	14.32
Gross return per acre	307.44	290.48	321.80	353.71
Direct Expenses	40.02	24.02	20.04	45.00
Seed and plants Fertilizer	18.03 54.55	24.03 70.82	20.91 53.79	15.03 50.57
Crop chemicals	31.58	37.55	34.23	31.74
Crop insurance Fuel & oil	16.41 11.98	17.22 13.57	18.67 12.63	15.75 12.18
Repairs	19.47	25.96	22.95	16.91
Custom hire	4.65	4.39	7.17	2.34
Hired labor Machinery leases	0.54 0.64	0.34 1.52	1.36 2.45	-
Operating interest	4.70	7.47	5.48	2.85
Miscellaneous	1.63	1.62	2.71	0.68
Total direct expenses per acre Return over direct exp per acre	164.18 143.27	204.49 85.99	182.36 139.44	148.06 205.65
• •	-			
Overhead Expenses Custom hire	0.66	0.52	0.94	0.23
Hired labor	5.75	6.29	9.29	4.03
Machinery leases Building leases	1.45 0.27	3.95 0.00	0.61 0.39	0.73 0.66
RE & pers. property taxes	8.14	12.70	8.57	8.20
Farm insurance	5.36	7.28	6.20	4.43
Utilities Dues & professional fees	3.25 0.84	4.50 1.06	4.22 1.39	2.70 0.29
Interest	25.75	54.55	26.88	9.44
Mach & bldg depreciation Miscellaneous	34.33 4.67	39.80 8.38	32.35 3.16	32.23 2.62
Total overhead expenses per acre	90.48	139.03	93.99	65.58
Total dir & ovhd expenses per acre	254.66	343.52	276.34	213.64
Net return per acre	52.79	-53.04	45.46	140.07
Government payments	16.47	17.68	20.55	20.72
Net return with govt pmts Labor & management charge	69.26 23.40	-35.36 23.93	66.00 23.75	160.79 24.87
Net return over lbr & mgt	45.86	-59.29	42.25	135.92
Cost of Production				
Total direct expense per bu.	2.95	4.04	3.13	2.31
Total dir & ovhd exp per bu. Less govt & other income	4.57 3.98	6.78 6.06	4.74 4.10	3.33 2.77
With labor & management	4.40	6.54	4.51	3.15
Net value per unit	5.23	5.37	5.24	5.28
Machinery cost per acre	72.92	89.39	78.95	64.90
Est. labor hours per acre	1.15	1.10	1.31	1.22

# Wheat, Spring on Cash Rent

	Avg. Of _All Farms	Low 20%	40 - 60%	High 20%
Number of farms	153	30	30	31
Acres	686.23	480.07	739.68	643.49
Yield per acre (bu.)	55.79	49.14	53.48	64.22
Operators share of yield %	100.00	100.00	100.00	100.00
Value per bu.	5.27	5.50	5.22	5.28
Other product return per acre	0.38	-	-	0.72
Total product return per acre	294.56	270.35	278.93	340.05
Hedging gains/losses per acre	0.74	1.49	-	1.31
Crop insurance per acre	8.30	8.55	6.98	2.02
Other crop income per acre	9.83	9.26	9.85	13.35
Gross return per acre	313.42	289.66	295.76	356.74
Direct Expenses				
Seed and plants	17.92	19.00	20.39	16.18
Fertilizer	57.08	72.66	51.98	51.53
Crop chemicals	32.03	27.72	31.97	33.75
Crop insurance	15.63	14.84	15.86	14.08
Fuel & oil	12.21	14.41	11.36	12.69
Repairs	20.85	25.95	18.16	19.50
Custom hire	4.72	7.59	5.93	2.74
Hired labor	0.80	-	1.39	-
Land rent	58.54	90.87	57.46	50.39
Machinery leases	1.31	0.25	1.12	0.14
Operating interest	5.98	6.46	5.59	4.32
Miscellaneous	1.67	1.44	1.46	1.32
Total direct expenses per acre	228.74	281.19	222.65	206.63
Return over direct exp per acre	84.69	8.47	73.11	150.11
Overhead Expenses	0.00	0.07	0.70	4.40
Custom hire	0.96	0.67	0.78	1.49
Hired labor	7.64	12.18	7.22	5.33
Machinery leases	3.12	7.38	2.50	2.23
Building leases	0.46	0.51	0.35	0.48
Farm insurance	4.24	5.26	4.63	3.11
Utilities	2.98	4.21	3.41	2.25
Dues & professional fees	1.15	2.68	1.14	0.80
Interest	3.20	4.69	2.74	2.45
Mach & bldg depreciation	27.46	27.02	25.14	19.99
Miscellaneous	3.53	5.91	4.25 52.15	2.43 40.56
Total overhead expenses per acre	54.75 283.48	70.50 351.69	274.81	247.18
Total dir & ovhd expenses per acre	203.46 29.94	-62.03	20.96	109.55
Net return per acre	29.94	-02.03	20.90	109.55
Government payments	15.14	13.79	11.34	19.83
Net return with govt pmts	45.08	-48.24	32.30	129.38
Labor & management charge	22.87	22.69	20.65	25.80
Net return over lbr & mgt	22.21	-70.93	11.65	103.59
Cost of Production				<u>.</u>
Total direct expense per bu.	4.10	5.72	4.16	3.22
Total dir & ovhd exp per bu.	5.08	7.16	5.14	3.85
Less govt & other income	4.46	6.48	4.61	3.27
With labor & management	4.87	6.95	5.00	3.67
Net value per unit	5.29	5.53	5.22	5.30
Machinery cost per acre	71.55	85.88	65.84	59.64
Est. labor hours per acre	1.06	1.12	1.05	1.05

# Wheat, Spring on Share Rent

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	25	<u> </u>	5	<u>- 111g11 2078</u> 5
Acres Yield per acre (bu.) Operators share of yield %	293.06 58.40 71.75	148.48 43.52 60.48	249.11 54.63 67.96	186.61 61.09 75.23
Value per bu. Other product return per acre Total product return per acre Hedging gains/losses per acre	5.26 0.11 220.56 0.38	5.13 1.13 136.23	5.25 - 194.84 -	5.31 - 244.13 3.00
Crop insurance per acre Other crop income per acre Gross return per acre	0.89 7.60 229.44	9.40 145.64	8.07 202.92	8.08 255.21
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	13.77 54.90 31.76 12.60 11.79 20.48 10.36 2.86 1.53 160.05 69.39	11.72 48.91 18.48 7.49 15.51 30.44 5.82 2.87	8.95 51.04 30.12 10.42 11.16 18.49 19.81 2.73 1.72 154.43 48.48	15.39 49.02 30.75 15.24 9.81 16.23 5.43 1.78 2.45 146.11 109.10
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	0.58 4.58 3.41 0.79 4.22 2.87 0.44 2.37 27.49 3.06 49.78 209.84 19.60	0.00 3.49 0.17 5.53 3.26 0.75 1.84 28.00 2.01 45.04 186.29 -40.65	2.77 13.12 0.54 4.54 3.72 0.50 0.83 26.06 3.82 55.89 210.32 -7.40	0.49 2.82 3.20 2.25 5.27 3.68 0.39 2.80 12.67 1.17 34.73 180.83 74.38
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	14.02 33.62 21.00 12.63	9.10 -31.56 19.10 -50.65	11.67 4.27 24.93 -20.66	16.33 90.70 18.21 72.49
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.82 5.01 4.46 4.96	5.37 7.08 6.33 7.06	4.16 5.66 5.13 5.80	3.18 3.93 3.34 3.73
Net value per unit Machinery cost per acre Est. labor hours per acre	5.27 74.81 1.11	5.13 81.60 1.40	5.25 77.45 1.60	5.38 50.11 0.93

#### **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. C All Farr		Low 2	0%	40 - 60	0%	High 2	20%
Number of farms		36		7		7		8
Beef Calves sold (lb) Transferred out (lb) Cull sales Government payments Other income Purchased Transferred in Inventory change Gross margin	Quantity 32.81 67.19	Value 53.21 108.10 24.39 2.87 0.28 -21.97 -34.81 12.88 144.93	Quantity 21.95 78.05	Value 35.29 109.20 24.05 3.88 - -50.69 -15.92 9.16 114.96	Quantity 45.63 54.37	Value 75.13 91.38 22.75 1.67 0.26 -21.64 -31.93 4.46 142.07	Quantity 31.88 68.12	Value 50.21 105.86 21.21 1.61 0.08 -21.97 -35.07 32.53 154.45
Direct Expenses Protein Vit Minerals (lb.) Creep / Starter (lb.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Peas, Field (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Total direct expenses Return over direct expense	107.38 10.27 417.48 67.06 948.48 1.37 0.04 107.83	4.97 1.07 6.18 2.49 25.78 25.50 0.26 6.97 5.70 5.93 4.80 8.88 1.11 99.63 45.30	20.75 13.78 255.22 16.37 1,615.53 1.47 0.43 142.55	3.25 0.55 3.83 0.44 42.55 25.48 3.04 7.02 3.88 8.47 8.08 10.91 2.64 120.13 -5.18	11.70 - 259.74 67.35 1,061.31 1.53 - 43.40	4.24 3.44 3.28 38.43 30.07 6.13 5.40 5.69 3.42 6.95 0.62 107.66 34.41	3.80 28.83 412.91 154.04 901.34 1.17 - 19.46	1.69 3.23 5.16 5.53 20.01 18.29 5.42 6.86 3.06 3.79 8.36 0.02 81.42 73.04
Overhead Expenses Hired labor Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		2.27 2.75 2.30 2.94 9.04 3.67 22.97 122.60 22.33		0.60 5.26 4.32 4.77 16.53 4.22 35.71 155.84 -40.88		0.56 2.60 1.94 4.11 5.98 3.66 18.86 126.52 15.56		2.54 1.55 1.28 1.13 6.42 2.88 15.81 97.22 57.23
Labor & management charge Net return over lbr & mgt		13.81 8.52		19.53 -60.41		11.95 3.61		13.88 43.35
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	99.63 122.60 139.21 153.03		120.13 155.84 185.28 204.81		107.66 126.52 151.22 163.16		81.42 97.22 98.92 112.80
Est. labor hours per unit		1.02		1.60		0.91		1.07
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.		176.8 96.8 2.6 15.3 94.3 89.6 0.94 4.1 1.4 563 504 387.12 584 162.16		87.6 97.5 3.6 12.7 94.0 89.5 0.92 4.7 2.3 537 481 407.63 526 160.78		197.5 98.1 0.5 15.2 97.6 95.2 0.92 4.0 2.2 535 509 430.09 587 164.64		172.2 93.8 4.2 14.0 89.8 84.6 0.98 6.0 0.9 593 502 343.58 609 157.50

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

_	Avg. O All Farn		Low 2	0%	40 - 6	0%	High 2	0%
Number of farms		36		7		7		8
Beef Calves sold (lb) Transferred out (lb) Cull sales Government payments Other income Purchased Transferred in Inventory change Gross margin	Quantity 173.5 355.3	Value 281.36 571.58 128.94 15.15 1.49 -116.19 184.06 68.08 766.36	Quantity 103.8 369.3	Value 166.97 516.66 113.78 18.34 	Quantity 229.3 273.2	Value 377.58 459.25 114.33 8.37 1.30 -108.77 460.47 22.43 714.01	Quantity 184.7 394.5	Value 290.83 613.10 122.87 9.31 0.44 -127.24 -203.14 188.40 894.56
Direct Expenses Protein Vit Minerals (lb.) Creep / Starter (lb.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Total direct expenses Return over direct expense	567.8 54.3 2,207.5 354.6 5,015.2 7.3 570.4	26.28 5.63 32.66 13.18 134.81 38.22 30.15 31.38 25.38 46.95 5.85 526.82 239.54	98.2 65.2 1,207.5 77.4 7,643.7 7.0 676.5	15.38 2.61 18.11 2.06 201.33 120.55 47.59 18.36 40.07 38.23 51.61 12.50 568.40 -24.49	58.8 - 1,305.4 338.5 5,333.7 7.7 218.1	21.29 17.29 16.49 193.14 151.10 30.80 27.12 28.62 17.21 34.93 3.09 541.06 172.96	22.0 167.0 2,391.5 892.2 5,220.3 6.8 112.7	9.78 18.70 29.89 32.00 115.91 105.91 31.38 39.71 17.71 21.97 48.44 0.14 471.55 423.01
Overhead Expenses Hired labor Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		11.99 14.57 12.16 15.57 47.81 19.39 121.47 648.29 118.07		2.86 24.87 20.44 22.58 78.21 19.99 168.95 737.35 -193.44		2.84 13.08 9.77 20.66 30.05 18.39 94.77 635.83 78.18		14.72 8.96 7.41 6.54 37.21 16.69 91.54 563.10 331.47
Labor & management charge Net return over lbr & mgt		73.03 45.04		92.40 -285.84		60.06 18.13		80.41 251.05
Cost of Production Per Cwt. Production Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management	ced	99.63 122.60 139.21 153.03		120.13 155.84 185.28 204.81		107.66 126.52 151.22 163.16		81.42 97.22 98.92 112.80
Est. labor hours per unit		5.41		7.55		4.57		6.18
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.		176.8 96.8 2.6 15.3 94.3 89.6 0.94 4.1 1.4 563 504 387.12 584 162.16		87.6 97.5 3.6 12.7 94.0 89.5 0.92 4.7 2.3 537 481 407.63 526 160.78		197.5 98.1 0.5 15.2 97.6 95.2 0.92 4.0 2.2 535 509 430.09 587 164.64		172.2 93.8 4.2 14.0 89.8 84.6 0.98 6.0 0.9 593 502 343.58 609 157.50

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

_	Avg. C All Farn		Low 2	0%	40 - 60	0%	High 2	0%
Number of farms		30		6		6	_	6
Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) Insurance income Government payments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 80.55 7.45	Value 118.42 11.10 19.15 0.58 1.51 0.25 -18.45 -13.83 26.14 144.86	Quantity 79.32 5.57	Value 119.21 9.79 13.75 - 0.27 -25.67 -14.47 17.99 120.86	Quantity 76.35 9.03	Value 114.02 14.21 25.29 3.10 0.77 -14.88 -25.52 27.47 144.45	Quantity 99.05 -	Value 146.30 
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Other feed stuffs (lb) Breeding fees Veterinary Supplies Fuel & oil Repairs Custom hire Operating interest Total direct expenses Return over direct expense	29.00 111.53 1.10 457.70 191.00 944.57 1.19 191.28	11.78 3.05 3.36 6.38 6.47 25.23 21.77 5.09 1.05 5.90 4.60 5.26 6.39 2.75 1.98 111.05 33.81	7.88 2.05 957.37 69.75 1,418.58 1.46 88.98	6.92 6.13 13.66 2.79 43.61 27.34 2.47 5.91 4.73 6.39 9.02 3.31 2.20 134.49 -13.62	24.31 74.20 0.25 97.03 167.05 1,145.38 1.30 138.75	14.60 3.72 0.81 1.46 4.58 29.79 21.26 4.49 0.77 6.63 5.36 5.13 5.15 2.15 2.46 108.38 36.08	46.16 1.90 356.69 152.87 631.31 1.04 199.78	18.96 5.81 4.65 5.03 16.99 19.63 5.45 3.06 4.35 3.28 4.17 3.83 2.42 1.89 99.52 65.23
Overhead Expenses Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		2.56 2.84 6.33 5.44 17.16 128.21 16.65		1.93 2.41 7.00 7.25 18.59 153.07 -32.21		3.50 4.19 4.62 8.04 20.35 128.73 15.72		2.40 2.45 5.79 3.61 14.25 113.77 50.98
Labor & management charge Net return over lbr & mgt		14.57 2.08		12.56 -44.77		15.84 -0.12		10.51 40.47
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	111.05 128.21 131.94 146.51		134.49 153.07 182.44 195.00		108.38 128.73 137.48 153.33		99.52 113.77 96.67 107.18
Est. labor hours per unit		0.95		0.84		1.30		0.65
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.		132.5 97.4 4.1 11.5 93.4 89.2 0.74 4.0 1.0 537 479 480.81 692 147.01		135.2 93.9 8.1 8.3 86.3 82.2 0.74 5.4 0.9 496 408 556.76 630 150.30		153.2 95.6 1.6 14.3 94.1 90.3 0.73 4.8 1.4 553 499 430.90 635 149.32		171.7 98.5 1.2 6.8 97.4 93.0 0.79 2.2 0.4 529 492 466.59 760 147.71

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

_	Avg. C All Farn		Low 2	0%	40 - 6	0%	High 2	20%
Number of farms		30		6		6		6
Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) Insurance income Government payments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 465.9 43.1	Value 684.88 64.22 110.73 3.33 8.75 1.44 -106.72 -79.99 151.18 837.84	Quantity 429.1 30.1	Value 644.85 52.97 74.35 - 1.48 -138.86 -78.30 97.30 653.80	Quantity 407.6 48.2	Value 608.63 75.85 135.01 - 16.57 4.09 -79.43 -136.24 146.63 771.11	Quantity 603.9 -	Value 892.01 - 67.70 - 16.08 0.76 -22.04 -14.47 64.44 1,004.49
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Stover (lb.) Other feed stuffs (lb) Breeding fees Veterinary Supplies Fuel & oil Repairs Custom hire Total direct expenses Return over direct expense	167.7 645.0 6.4 2,647.2 1,104.7 5,463.1 6.9 285.9 820.4	68.15 17.62 19.46 36.90 37.42 145.92 125.91 6.55 22.88 6.05 34.12 38.02 30.43 36.95 15.91 642.27	42.6 11.1 5,178.8 377.3 7,673.7 7.9 239.2 242.1	37.45 33.14 73.91 15.09 235.93 147.87 7.15 6.21 31.98 37.50 34.57 48.80 17.89 727.50 -73.70	129.8 396.1 1.3 518.0 891.7 6,114.1 6.9 740.7	77.95 19.84 4.35 7.77 24.47 159.05 113.50	281.5 11.6 2,174.8 932.0 3,849.1 6.3 788.8 429.2	35.43 28.35 30.68 103.57 119.70 17.77 15.49 18.67 26.51 31.54 25.40 23.34 14.75 606.80 397.68
Overhead Expenses Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		14.80 16.43 36.59 31.45 99.27 741.55 96.30		10.44 13.01 37.84 39.24 100.54 828.04 -174.24		18.67 22.39 24.68 42.91 108.64 687.17 83.94		14.61 14.95 35.31 21.99 86.86 693.67 310.82
Labor & management charge Net return over lbr & mgt		84.27 12.03		67.95 -242.19		84.58 -0.64		64.09 246.73
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	111.05 128.21 131.94 146.51		134.49 153.07 182.44 195.00		108.38 128.73 137.48 153.33		99.52 113.77 96.67 107.18
Est. labor hours per unit		5.49		4.53		6.92		3.97
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.		132.5 97.4 4.1 11.5 93.4 89.2 0.74 4.0 1.0 537 479 480.81 692 147.01		135.2 93.9 8.1 8.3 86.3 82.2 0.74 5.4 0.9 496 408 556.76 630 150.30		153.2 95.6 1.6 14.3 94.1 90.3 0.73 4.8 1.4 553 499 430.90 635 149.32		171.7 98.5 1.2 6.8 97.4 93.0 0.79 2.2 0.4 529 492 466.59 760 147.71

### Beef Replacement Heifers -- Average Per Head

	Avg All Fa	
Number of farms		20
Beef Replace sold (hd) Transferred out (hd) Cull sales (hd) Government payments Other income Purchased (hd) Transferred in (hd) Inventory change (hd) Gross margin	Quantity 0.28 0.75 0.01  0.09 0.71 -0.26	Value 393.38 1,021.41 17.82 10.01 5.80 -92.80 -658.32 -207.26 490.03
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Barley (bu.) 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 Livestock leases Marketing Total direct expense	40.70 474.49 0.50 3.60 1,571.16 391.18 2,354.52 4.34 67.05 132.16	12.08 20.38 1.47 11.11 22.73 15.58 68.74 78.39 4.24 4.28 6.85 18.90 10.98 5.95 9.59 3.84 5.53 300.64 189.39
Overhead Expenses Hired labor Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		6.56 13.33 17.77 37.66 338.30 151.73
Labor & management charge Net return over lbr & mgt		20.16 131.56
Est. labor hours per unit		1.33
Other Information No. purchased or trans in Number sold or trans out Average number of head Percentage death loss Feed cost per average head Feed cost/head sold/trans		39 50 48 1.4 239.00 232.80

#### Beef Replacement Heifers -- Average Per Head Sold/Trans

	Avg. <u>All Far</u>	Of ms
Number of farms		20
Beef Replace sold (hd) Transferred out (hd) Cull sales (hd) Government payments Other income Purchased (hd) Transferred in (hd) Inventory change (hd) Gross margin	Quantity 0.3 0.7 0.0 0.1 0.7 -0.3	Value 383.18 994.92 17.36 9.75 5.65 -90.40 -641.25 -201.89 477.32
Direct Expenses Protein Vit Minerals (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 Livestock leases Marketing Total direct expenses Return over direct expense	39.6 462.2 3.5 1,530.4 381.0 2,293.4 4.2 65.3 129.2	11.77 19.85 10.82 22.14 15.18 66.96 76.35 4.13 5.61 6.67 18.41 10.70 5.80 9.34 3.74 5.38 292.84 184.48
Overhead Expenses Hired labor Farm insurance Dues & professional fees Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		6.39 4.56 2.76 12.98 9.98 36.69 329.53 147.79
Labor & management charge Net return over lbr & mgt		19.64 128.15
Est. labor hours per unit		1.29
Other Information No. purchased or trans in Number sold or trans out Average number of head Percentage death loss Feed cost per average head Feed cost/head sold/trans		39 50 48 1.4 239.00 232.80

# Beef Backgrounding -- Average Per Cwt. Produced

	Avg. AII Fa	
Number of farms		18
Backgnd Beef sold (lb) Transferred out (lb) Other income Transferred in (lb) Inventory change (lb) Gross margin	Quantity 328.29 94.31 -328.87 4.28	Value 499.19 135.93 3.90 -516.06 -15.49 107.48
Direct Expenses Protein Vit Minerals (lb.) Creep / Starter (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Hay (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Livestock leases Marketing Total direct expenses Return over direct expense	71.93 12.81 537.94 1.42 517.29 83.90 530.70 34.87 111.35	5.89 2.58 7.48 4.34 6.92 3.00 14.06 1.22 8.17 6.59 4.09 3.17 6.84 2.82 3.02 80.20 27.28
Farm insurance Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		1.67 1.52 5.91 5.04 14.14 94.34 13.14
Labor & management charge Net return over lbr & mgt		10.47 2.67
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		143.84 147.18 147.18 149.66
Est. labor hours per unit		0.78
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.		101 107 0.5 1.20 8.26 16.62 53.66 47.05 685 152.06

#### Beef Backgrounding -- Average Per Head

	Avg. All Fa	
Number of farms		18
Backgnd Beef sold (lb) Transferred out (lb) Other income Transferred in (lb) Inventory change (lb) Gross margin	Quantity 287.9 82.7 -288.4 3.8	Value 437.73 119.19 3.42 -452.52 -13.58 94.24
Direct Expenses Protein Vit Minerals (lb.) Creep / Starter (lb.) Complete Ration (lb.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Hay (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Livestock leases Marketing Total direct expense Return over direct expense	63.1 11.2 471.7 1.2 453.6 73.6 465.4 30.6 97.6	5.16 2.26 6.56 3.80 6.07 2.63 12.33 1.07 7.16 5.78 3.59 2.78 6.00 2.48 2.65 70.32 23.92
Overhead Expenses Farm insurance Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		1.46 1.34 5.18 4.42 12.40 82.72 11.52
Labor & management charge Net return over lbr & mgt		9.18 2.34
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		143.84 147.18 147.18 149.66
Est. labor hours per unit		0.69
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.		101 107 0.5 1.20 8.26 16.62 53.66 47.05 685 152.06

# Figure 1. Gross Cash Income Per Farm

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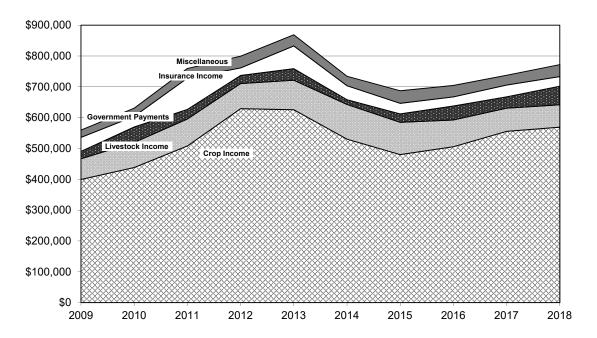


Figure 2. Net Farm Income (Accrual) Per Farm

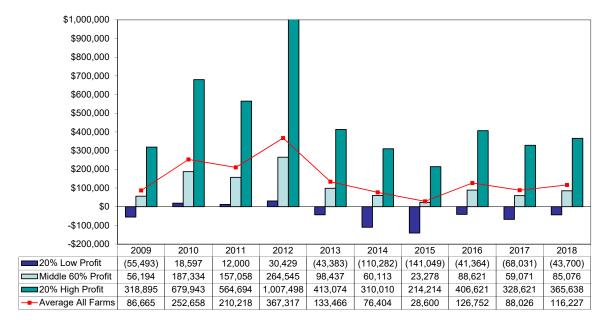


Figure 3. Financial Efficiency Measures (As Percent of Gross Revenue)

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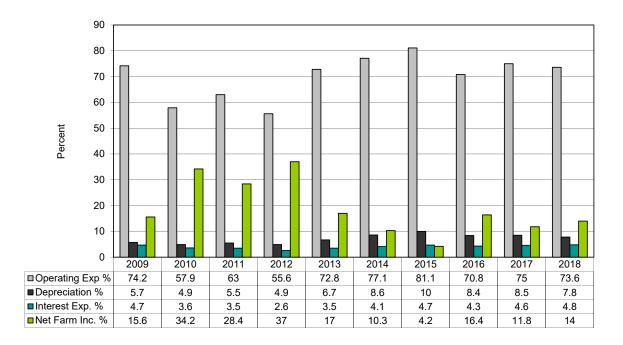


Figure 4. Profitability Measures Per Farm

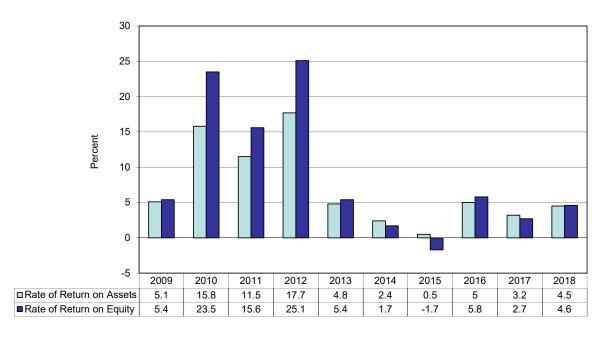


Figure 5. Assets and Liabilities Per Farm, 2018

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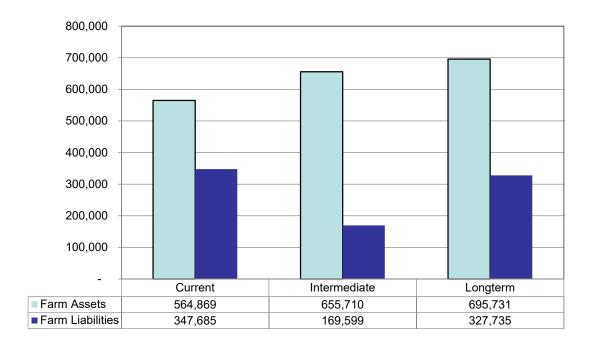
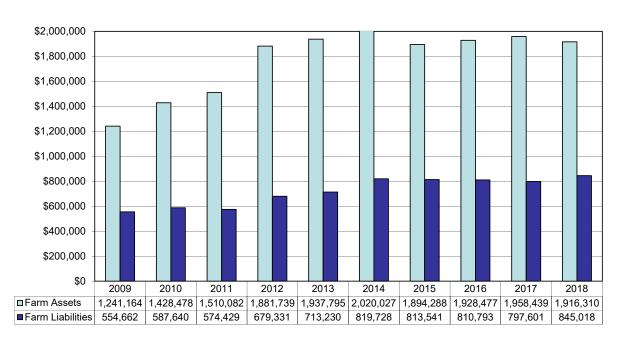


Figure 6. Total Farm Assets and Liabilities



# Figure 7. Household and Personal Expenses

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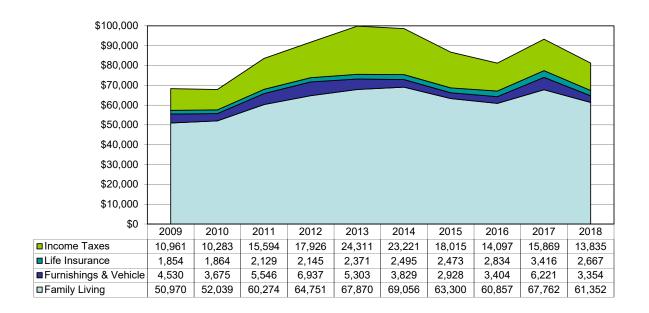


Figure 8. Crop Acreage Per Farm

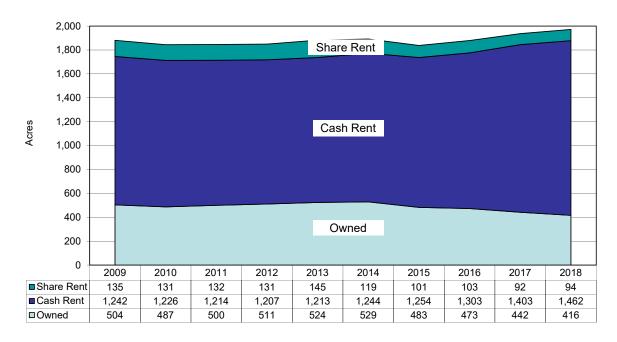


Figure 9. Spring Wheat Costs Per Acre

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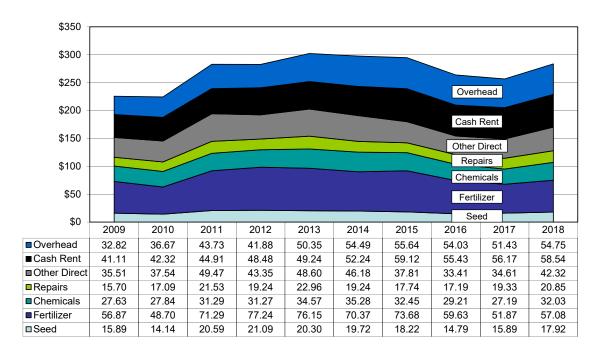
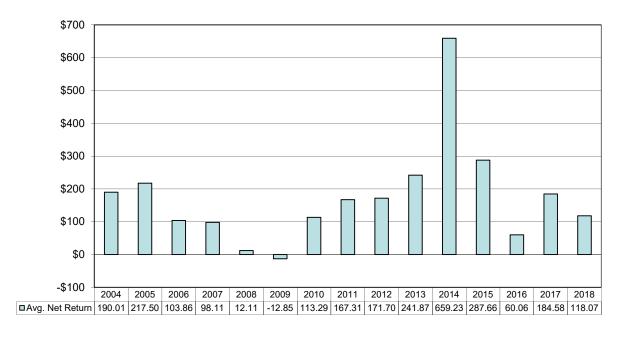


Figure 10. Average Net Return Per Beef Cow



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