2020 ANNUAL REPORT

State Averages

North Dakota Farm and Ranch Business

Management Education



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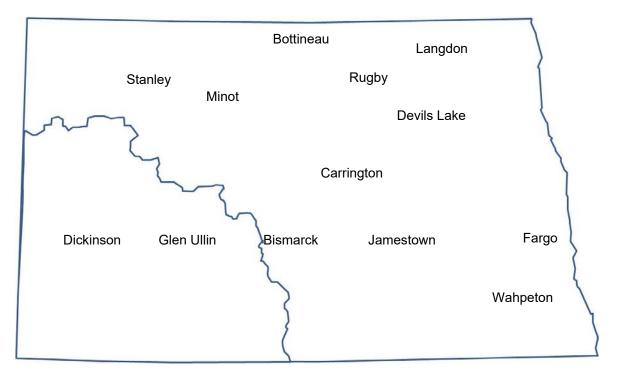
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NORTH DAKOTA FARM BUSINESS MANAGEMENT EDUCATION

2020 ANNUAL REPORT

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This report was made possible by the farm families who cooperated with their farm management instructors in getting the records for 2020 closed out on a timely basis. The farm management instructors cited above generated the Finpack year-end farm analyses Bryon Parman, NDSU Extension Service, databased the Finpack analyses of farms and generated the comparative tables for this report.



2020 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 2020 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 32nd year that the regional averages have been generated in North Dakota based upon the four regions shown in the state map on the cover of this publication. A regional report has been generated and published for Regions 2 – North Central, 3 – South Central and 4 - Western identified on the North Dakota map. Farms in Region 1 – Red River Valley are located within the Red River Valley. Those farms are contained in a combined Minnesota-North Dakota Red River Valley report. The state averages report includes all farms participating in the North Dakota Farm Business Management Education Program that were represented in the regional averages and also those farms which were processed and submitted after the March deadline date. All of these reports may be ordered from Farm Business Management, P.O. Box 6022, Bismarck, ND, 58506-6022 for \$5 per copy. The reports are available online at www.ndfarmmanagement.com.

EXPLANATORY NOTES FOR THE FARM OPERATORS' REPORTS

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

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

Farm Income Statement

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

The first section of the 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 <u>cash</u> 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 <u>are</u> used. The measures and their components are described below.

"Rate of return on assets" is the "Return on farm assets" divided by "Average farm assets." "Rate of return on equity "is the "Return of farm equity" divided by "Average farm equity." "Operating profit margin" is the "Return on farm assets" divided by "Value of farm production."

"Asset turnover rate" is the "Value of farm production" divided by "Average farm assets."

"Farm interest expense" is the accrual interest cost, usually it will be different from the cash interest expense.

"Value of operator's labor and management" is an opportunity cost for unpaid 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 Amortization</u>. This represents a measure of earnings available for debt repayment.

Repayment Capacity

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

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

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

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

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

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

Efficiency

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

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

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

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

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

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

Crop Production and Marketing Summary

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

Household and Personal Expenses

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

Operator and Labor Information

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

Nonfarm Summary

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

Farm Income Statement North Dakota Farm Business Management Education Program State Report, 2020 (Farms Sorted By Net Farm Income)

	Ava. Of <u>All Farms</u>	Low 20%	40 - 60%	
Number of farms	327	65	66	66
Cash Farm Income	40.007	0.000	40.000	00.404
Barley	13,037	3,033	18,292	26,491
Barley, Malting Beans, Black Turtle	2,202 2,061	- 236	-	8,916 6,701
Beans, Faba	2,001	230	-	1,308
Beans, Garbonzo	248	1,249	-	-
Beans, Navy	1,331	-	6,593	-
Beans, Pinto	16,303	17,776	9,158	21,392
Corn	140,212	111,692	110,262	235,523
Corn Silage	933	-	260	3,971
Hay, Alfalfa Hay, Mixed	602 2,958	2,169 1,841	570	646 3,916
Lentils	2,033	1,041	2,345	7,725
Oats	1,595	937	542	2,725
Peas, Field	5,390	1,813	2,569	15,856
Rye	543	681	583	277
Safflower	255	-	-	1,265
Soybeans	212,919	142,868	188,979	433,552
Sugar Beets Sunflowers	13,119 16,657	1,704 8,360	13,765 18,738	19,215 37,296
Sunflowers, Confectionary	917	8,300	2,738	1,805
Wheat, Durum	13,277	7,537	8,270	39,386
Wheat, Spring	121,708	80,721	106,942	255,330
Wheat, Winter	283		-	1,401
Rented Out	296	690	55	463
Soybeans, Natto	186	356	-	-
Peas, Organic Other Crop	54 6,567	272 190	-	25,704
Miscellaneous crop income	39,175	21,214	35,916	73,749
Beef Bulls	450	1,377	-	80
Beef Cow-Calf, Beef Calves	26,248	24,045	17,011	25,474
Beef Replacement Heifers	1,841	1,257		1,098
Beef Backgrounding	8,276	3,979	14,924	1,015
Beef Finishing Beef Finish Yearlings	2,885 905	2,076	1,565	7,435 337
Beef Stockers	1,382	2,342	-	3,437
Dairy, Milk	25,411	2,042	11,604	59,055
Dairy, Dairy Calves	311	-	463	732
Honey Production, Honey	2,697	-	-	13,363
Sheep, Feeder Lamb Prod, Fdr Lambs	30	130	22	-
Bison Cow-Calf, Bison Calves	226 7,575	1,137 4,870	2 5 9 0	- 8,376
Cull breeding livestock Misc. livestock income	1,270	4,986	3,589 192	0,370 93
LDP payments	80	-,500	396	-
Crop government payments	40,702	26,260	33,062	75,494
CRP payments	1,160	707	1,168	1,810
Other government payments	105,110	64,048	85,300	190,312
Conservation govt payment	7,741	6,385	8,378	9,807
Custom work income	13,423 4,935	10,645 3,572	2,760 6,051	37,598 5,444
Patronage dividends, cash Crop insurance income	99,238	73,443	75,792	196,820
Property insurance income	727	1,655	663	933
Sale of resale items	1,467	2,173	2,446	2,578
Livestock insurance inc	731	151	-	2,484
Renewable energy income	182		902	
Farm rental income	1,882	7,422	452	570
Other farm income Gross Cash Farm Income	18,890 990,903	9,393 657,393	20,122 813,439	36,968 1,905,926
	000,000	001,000	010,400	1,000,020

Farm Income Statement (continued) North Dakota Farm Business Management Education Program State Report, 2020 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	327	65	66	66
Cash Farm Expense				
Seed and plants	94,554	52,804	78,291	172,810
Fertilizer	98,818	59,493	79,230	191,142
Crop chemicals	73,202	49,780	72,023	133,165
Crop insurance	32,467	24,431	28,811	61,816
Drying expense	2,177	2,683	1,511	2,786
Storage	790	9	749	2,295
Irrigation energy	292	16	77	550
Crop miscellaneous	3,049	1,070	1,811	8,230
Crop consultants	2,702	1,513	2,488	4,671
Crop office & administrative	44	-	-	219
Feeder livestock purchase	4,800	6,977	5,248	3,083
Purchased feed	19,059	9,883	7,985	41,351
Breeding fees	616	377	149	837
Veterinary	3,298	2,463	1,757	4,242
Supplies	3,100	1,320	700	5,470
Livestock leases	493	15	-	-
Livestock consultants	83	-	-	409
Interest	45,160	42,283	39,082	72,521
Fuel & oil	31,869	23,161	27,265	52,463
Repairs	75,848	66,538	63,288	116,207
Custom hire	19,549	12,432	21,130	36,852
Hired labor	36,868	19,684	23,036	81,695
Land rent	125,153	93,103	98,214	224,317
Stock/quota lease	50	-	248	-
Machinery leases	14,250	15,322	6,512	24,371
Building leases	1,021	701	304	2,097
Real estate taxes	6,584	5,048	5,054	11,553
Farm insurance	14,005	11,399	12,519	24,092
Utilities	11,162	9,566	10,164	18,316
Hauling and trucking	743	-	102	-
Marketing	1,769	448	1,674	3,699
Dues & professional fees	5,823	5,718	4,516	11,334
Purchase of resale items	5,396	19	3,496	15,758
Miscellaneous	12,558	11,243	11,045	19,848
Licenses & registrations	89	32	348	18
Office & administrative	132	67	4	567
Total cash expense	747,574	529,599	608,831	1,348,783
Net cash farm income	243,328	127,794	204,608	557,142
Inventory Changes				
Prepaids and supplies	22,655	-5,388	15,138	66,438
Accounts receivable	-4,094	-12,378	-17,328	16,601
Hedging accounts	-5,030	-13,002	-2,858	-1,885
Other current assets	-767	-930	-45	-712
Crops and feed	-11,090	-84,221	-17,611	34,327
Market livestock	3,051	2,484	-703	-2,746
Breeding livestock	-3,072	-7,930	-1,969	2,366
Other assets	349	1,195	-152	-4,248
Accounts payable	6,688	1,878	8,183	4,864
Accrued interest	3,700	2,728	2,418	7,234
Total inventory change	12,390	-115,563	-14,926	122,240
Net operating profit	255,718	12,231	189,682	679,382
Depreciation	00 700	45.004	00 704	400.007
Machinery and equipment	-63,760	-45,621	-60,791	-122,067
Titled vehicles	-7,641	-6,916	-4,971	-14,704
Buildings and improvements	-6,790 78,102	-4,716 57.252	-5,184	-14,508
Total depreciation	-78,192	-57,253	-70,946	-151,279
Net farm income from operations	177,526	-45,022	118,735	528,103
Gain or loss on capital sales	-1,489	-3,466	-527	1,195
·				
Net farm income	176,038	-48,488	118,208	529,298

Inventory Changes North Dakota Farm Business Management Education Program State Report, 2020 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	327	65	66	66
Net cash farm income	243,328	127,794	204,608	557,142
Crops and Feed				
Ending inventory	498,965	215,419	359,511	1,198,745
Beginning inventory	510,055	299,640	377,123	1,164,419
Inventory change	-11,090	-84,221	-17,611	34,327
Market Livestock	10.040	00.000	00.450	10.015
Ending inventory	42,313	26,096	36,158	40,615
Beginning inventory	39,262	23,612	36,861	43,360
Inventory change	3,051	2,484	-703	-2,746
Accts Receivable Ending inventory	67,349	26,397	35,698	145,667
Beginning inventory	71,443	38,775	53,025	129,066
Inventory change	-4,094	-12,378	-17,328	16,601
Prepaid Expenses and Supplies				
Ending inventory	79,897	24,050	50,995	213,566
Beginning inventory	57,242	29,438	35,857	147,128
Inventory change	22,655	-5,388	15,138	66,438
Hedging Activities	4.040	0.500	0.044	40.004
Ending inventory	4,340	3,503	2,844	12,384
Withdrawals	5,025 5,897	8,569 6,672	1,370 2,328	12,155 15,855
Beginning inventory Deposits	8,498	18,403	2,320 4,744	10,569
Gain or loss	-5,030	-13,002	-2,858	-1,885
Other Current Assets	2 011	490	1 270	2 026
Ending inventory Beginning inventory	2,911 3,678	480 1,410	1,270 1,314	2,826 3,538
Inventory change	-767	-930	-45	-712
	-101	-000		-112
Breeding Livestock	22.112	aa 151	- /	~~~~
Ending inventory	89,116	69,154	54,533	90,345
Capital sales	3,222	1,137	3,822	1,171
Beginning inventory Capital purchases	85,815 9,595	71,341 6,879	57,312 3,013	84,046 5,104
Depreciation, capital adjust	-3,072	-7,930	-1,969	2,366
	-0,012	-1,000	-1,000	2,000
Other Capital Assets	400.045	74 707	00 770	077 000
Ending inventory	128,845 1,261	71,737 835	90,773 210	277,826
Capital sales Beginning inventory	119,941	70,270	90,381	2,533 245,617
Capital purchases	9,816	1,107	754	38,990
Depreciation, capital adjust	349	1,195	-152	-4,248
Accounts Payable				
Beginning inventory	29,109	29,523	18,654	46,500
Ending inventory	22,422	27,645	10,471	41,636
Inventory change	6,688	1,878	8,183	4,864
Accrued Interest	6 /			
Beginning inventory	21,629	20,321	18,421	35,317
Ending inventory	17,928	17,592	16,003	28,083
Inventory change	3,700	2,728	2,418	7,234
Total inventory change	12,390	-115,563	-14,926	122,240
Net operating profit	255,718	12,231	189,682	679,382

Depreciation North Dakota Farm Business Management Education Program State Report, 2020 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	_Low 20%	40 - 60%	
Number of farms	327	65	66	66
Net operating profit	255,718	12,231	189,682	679,382
Machinery and Equipment				
Ending inventory	664,964	474,091	579,189	1,304,349
Capital sales	26,250	30,318	19,583	47,518
Beginning inventory	640,379	480,300	595,988	1,197,333
Capital purchases	114,596	69,730	63,575	276,601
Depreciation, capital adjust.	-63,760	-45,621	-60,791	-122,067
Titled Vehicles				
Ending inventory	63,318	51,978	44,041	109,209
Capital sales	2,061	2,508	938	3,970
Beginning inventory	58,667	49,828	44,775	97,865
Capital purchases	14,353	11,573	5,175	30,019
Depreciation, capital adjust.	-7,641	-6,916	-4,971	-14,704
Buildings and Improvements				
Ending inventory	222,852	154,584	180,540	468,838
Capital sales	251	4	-	294
Beginning inventory	210,957	155,580	177,755	433,679
Capital purchases	18,935	3,724	7,968	49,961
Depreciation, capital adjust.	-6,790	-4,716	-5,184	-14,508
Total depreciation, capital adj.	-78,192	-57,253	-70,946	-151,279
Net farm income from operations	177,526	-45,022	118,735	528,103
Gain or loss on capital sales	-1,489	-3,466	-527	1,195
Net farm income	176,038	-48,488	118,208	529,298

Profitability Measures North Dakota Farm Business Management Education Program State Report, 2020 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	
Number of farms	327	65	66	66
Profitability (assets valued at cost)				
Net farm income from operations	177,526	-45,022	118,735	528,103
Rate of return on assets	5.9 %	-3.2 %	4.5 %	9.8 %
Rate of return on equity	7.1 %	-12.0 %	4.6 %	12.8 %
Operating profit margin	15.9 %	-10.3 %	12.5 %	25.1 %
Asset turnover rate	37.0 %	31.5 %	36.0 %	38.9 %
Farm interest expense	41,460	39,555	36,664	65,287
Value of operator lbr and mgmt.	69,617	48,606	60,739	118,733
Return on farm assets	149,369	-54,073	94,660	474,657
Average farm assets	2,546,286	1,668,832	2,096,996	4,859,380
Return on farm equity	107,909	-93,628	57,996	409,370
Average farm equity	1,522,072	779,936	1,266,031	3,192,160
Value of farm production	941,416	525,954	755,937	1,888,939

Liquidity & Repayment Capacity Measures North Dakota Farm Business Management Education Program State Report, 2020 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	327	65	66	66
Liquidity				
Current ratio	1.97	1.20	1.98	2.36
Working capital	374,902	58,331	273,151	990,047
Working capital to gross inc	38.6 %	10.7 %	35.4 %	50.8 %
Current assets	760,201	352,433	552,365	1,720,340
Current liabilities	385,299	294,102	279,215	730,293
Gross revenues (accrual)	970,671	542,833	772,666	1,949,130
Repayment capacity				
Net farm income from operations	177,526	-45,022	118,735	528,103
Depreciation	78,192	57,253	70,946	151,279
Personal income	38,235	52,642	24,246	44,588
Family living/owner withdrawals	-66,801	-59,130	-59,176	-94,404
Cash discrepancy	-149	-292	-11	-70
Payments on personal debt	-5,233	-5,241	-5,151	-6,199
Income taxes paid	-13,976	-12,665	-9,125	-29,186
Interest on term debt	29,140	27,148	26,353	44,983
Capital debt repayment capacity	236,934	14,693	166,818	639,095
Scheduled term debt payments	-95,173	-78,095	-91,802	-158,284
Capital debt repayment margin	141,761	-63,402	75,016	480,811
Cash replacement allowance	-45,938	-31,973	-37,952	-92,134
Replacement margin	95,823	-95,375	37,064	388,677
Term debt coverage ratio	2.49	0.19	1.82	4.04
Replacement coverage ratio	1.68	0.13	1.29	2.55

Balance Sheet at Cost Values North Dakota Farm Business Management Education Program State Report, 2020 (Farms Sorted By Net Farm Income)

	Av <u>g</u> . Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	327	65	66	66
Assets Current Farm Assets				
Cash and checking balance	64,426	56,488	65,889	106,537
Prepaid expenses & supplies	79,897	24,050	50,995	213,566
Growing crops	657	207	678	1,656
Accounts receivable	67,349	26,397	35,698	145,667
Hedging accounts	4,340	3,503	2,844	12,384
Crops held for sale or feed	498,965	215,419	359,511	1,198,745
Crops under government loan Market livestock held for sale	42,313	26,096	36,158	40,615
Other current assets	2,254	274	592	1,170
Total current farm assets	760,201	352,433	552,365	1,720,340
Intermediate Farm Assets Breeding livestock Machinery and equipment	89,116 664,964	69,154 474,091	54,533 579,189	90,345 1,304,349
Titled vehicles	63,318	51,978	44,041	109,209
Other intermediate assets	55,387	35,514	40,569	80,486
Total intermediate farm assets Long Term Farm Assets	872,786	630,737	718,332	1,584,389
Farm land	683,074	454,849	596,697	1,097,113
Buildings and improvements	222,852	154,584	180,540	468,838
Other long-term assets	73,458	36,223	50,204	197,340
Total long-term farm assets	979,384	645,656	827,441	1,763,291
Total Farm Assets	2,612,371	1,628,825	2,098,138	5,068,019
Total Nonfarm Assets	377,718	344,981	321,998	622,153
Total Assets	2,990,089	1,973,806	2,420,137	5,690,173
Liabilities Current Farm Liabilities				
Accrued interest	17,928	17,592	16,003	28,083
Accounts payable	22,422	27,645	10,471	41,636
Current notes	273,036	197,967	190,351	536,184
Government crop loans Principal due on term debt Total current farm liabilities	- 71,913 385,299	50,898 294,102	62,389 279,215	- 124,390 730,293
Total intermediate farm liabs	195,252	193,565	176,315	271,151
Total long term farm liabilities	445,650	404,216	336,537	657,836
Total farm liabilities	1,026,200	891,883	792,067	1,659,281
Total nonfarm liabilities	66,142	60,187	46,476	101,330
Total liabilities	1,092,342	952,071	838,542	1,760,610
Net worth (farm and nonfarm)	1,897,747	1,021,735	1,581,594	3,929,563
Net worth change	164,951	-52,743	119,792	489,336
Percent net worth change	10 %	-5 %	8 %	14 %
Ratio Analysis Current farm liabilities / assets Intermediate farm liab. / assets	51 % 22 %	83 % 31 %	51 % 25 %	42 % 17 %
Long term farm liab. / assets	46 %	63 %	41 %	37 %
Total debt to asset ratio	37 %	48 %	35 %	31 %

Statement Of Cash Flows North Dakota Farm Business Management Education Program State Report, 2020 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	327	65	66	66
	021	00	00	00
Beginning cash (farm & nonfarm)	69,178	62,277	67,565	100,800
Cash Provided By Operating Activities				
Gross cash farm income	990,903	657,393	813,439	1,905,926
Total cash farm expense	-747,574	-529,599	-608,831	-1,348,783
Net cash from hedging transactions	-3,473	-9,834	-3,375	1,586
Cash provided by operating	239,855	117,960	201,233	558,729
Cash Provided By Investing Activities				
Sale of breeding livestock	3,070	1,137	3,501	1,171
Sale of machinery & equipment	25,386	28,000	19,550	46,731
Sale of titled vehicles	2,061	2,637	847	4,186
Sale of farm land	7,671	16,440	3,728	12,090
Sale of farm buildings	399	8	-	1,289
Sale of other farm assets	808	835	210	2,538
Sale of nonfarm assets	4,119	3,334	1,181	4,010
Purchase of breeding livestock	-9,595	-6,879	-3,013	-5,104
Purchase of machinery & equip.	-114,596	-69,730	-63,575	-276,601
Purchase of titled vehicles	-14,353	-11,573	-5,175	-30,019
Purchase of farm land	-64,736	-46,203	-24,701	-87,005
Purchase of farm buildings	-18,935	-3,724	-7,968	-49,961
Purchase of other farm assets	-9,816	-1,107	-754	-38,990
Purchase of nonfarm assets	-20,513	-12,346	-12,159	-23,998
Cash provided by investing	-209,032	-99,170	-88,328	-439,662
Cash Provided By Financing Activities				
Money borrowed	707,201	648,646	569,609	1,112,456
Principal payments	-693,427	-643,279	-637,487	-1,121,145
Personal income	38,235	52,642	24,246	44,588
Family living/owner withdrawals	-66,800	-59,126	-59,176	-94,404
Income and social security tax	-13,558	-13,012	-8,776	-28,291
Capital contributions	3,132	-	14,700	819
Capital distributions	-2,286	-8,732	-1,515	-1,212
Dividends paid	-1	-4	-	-
Cash gifts and inheritances	12,279	8,875	5,187	9,802
Gifts given	-1,073	-1,650	-1,751	-392
Other cash flows	-	-	-	-
Cash provided by financing	-16,298	-15,640	-94,963	-77,779
Net change in cash balance	14,526	3,150	17,943	41,287
Ending cash (farm & nonfarm)	83,554	65,135	85,497	142,018
Discrepancy	149	292	11	70

Financial Standards Measures North Dakota Farm Business Management Education Program State Report, 2020 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	327	65	66	66
Liquidity Current ratio Working capital Working capital to gross inc	1.97 374,902 38.6 %	1.20 58,331 10.7 %	1.98 273,151 35.4 %	2.36 990,047 50.8 %
Solvency (market) Farm debt to asset ratio Farm equity to asset ratio Farm debt to equity ratio	31 % 69 % 0.46	40 % 60 % 0.68	29 % 71 % 0.41	27 % 73 % 0.37
Profitability (cost) Rate of return on farm assets Rate of return on farm equity Operating profit margin Net farm income EBITDA	5.9 % 7.1 % 15.9 % 176,038 297,178	-3.2 % -12.0 % -10.3 % -48,488 51,786	4.5 % 4.6 % 12.5 % 118,208 226,345	9.8 % 12.8 % 25.1 % 529,298 744,669
Repayment Capacity Capital debt repayment capacity Capital debt repayment margin Replacement margin Term debt coverage ratio Replacement coverage ratio	236,934 141,761 95,823 2.49 1.68	14,693 -63,402 -95,375 0.19 0.13	166,818 75,016 37,064 1.82 1.29	639,095 480,811 388,677 4.04 2.55
Efficiency Asset turnover rate (cost) Operating expense ratio Depreciation expense ratio Interest expense ratio Net farm income ratio	37.0 % 69.4 % 8.1 % 4.3 % 18.3 %	31.5 % 90.5 % 10.5 % 7.3 % -8.3 %	36.0 % 70.7 % 9.2 % 4.7 % 15.4 %	38.9 % 61.8 % 7.8 % 3.3 % 27.1 %

Crop Production and Marketing Summary North Dakota Farm Business Management Education Program State Report, 2020 (Farms Sorted By Net Farm Income)

	Avg. Of <u>All Farms</u>	Low 20%	40 - 60%	High 20%
Number of farms	327	65	66	66
Acreage Summary Total acres owned	793	602	700	1,306
Total crop acres	2,246	1,416	1,962	4,047
Crop acres owned Crop acres cash rented	508 1,656	291 1,083	407 1,505	999 2,917
Crop acres share rented	82	41	50	130
Total pasture acres Percent crop acres owned	421 23 %	365 21 %	270 21 %	363 25 %
Mach invest/crop acre cost Mach invest/crop acre market	310 380	332 410	321 391	332 401
Average Price Received (Cash Sales C	Dnly)			
Soybeans per bushel	8.49	8.63	8.62	8.31
Wheat, Spring per bushel Corn per bushel	4.78 3.04	4.85 3.06	4.71 3.07	4.89 3.06
Canola per cwt	15.76	15.40	16.03	15.43
Barley per bushel Sunflowers per cwt	4.00 18.83	4.12 19.44	4.30 18.62	3.76 19.05
Beans, Pinto per cwt	26.49	27.10	-	25.88
Peas, Field per bushel	5.46	-	5.52	5.46
Wheat, Durum per bushel Oats per bushel	6.12 2.74	- 2.41	5.74	6.14
Flax per bushel	9.66	-	-	-
Rye per bushel	4.41	-	-	-
Hay, Grass per ton Rented Out per \$	54.38 39.47	-	-	-
Hay per ton	49.69	-	-	-
Hay, Mixed Alfalfa/Grass per ton	68.98	-	-	-
Average Yield Per Acre				
Soybeans (bushel) Wheat, Spring (bushel)	32.44 53.77	29.00 53.45	31.78 52.02	33.73 55.46
Corn (bushel)	137.39	125.55	149.10	131.08
Canola (cwt)	21.38	23.39	18.99	22.52
Sunflowers (cwt) Hay, Small Grain (ton)	20.60 2.00	21.20 2.16	20.48	22.34 2.24
Hay, Mixed Alfalfa/Grass (ton)	1.21	1.20	0.902	1.20
Barley (bushel)	70.50 16.05	57.69 12.21	68.18 11.98	72.08 17.99
Beans, Pinto (cwt) Hay, Grass (ton)	1.19	-	0.696	1.79
Wheat, Durum (bushel)	54.40	36.55	49.14	59.52
Hay, Alfalfa (ton) Sugar Beets (ton)	2.38 22.54	2.03	2.22 21.21	2.74 22.24
Corn Silage (ton)	17.61	14.20	20.23	-
Peas, Field (bushel)	40.54 22.76	-	-	40.57 22.78
Flax (bushel) Oats (bushel)	90.10	63.24	-	- 22.70
Soybeans, Food (bushel)	36.07	-	-	-
Rye (bushel) Hay (ton)	38.29 1.46	-	-	-
Lentils (cwt)	20.63	-	-	20.63
Cover crop grazing (aum)	1.66	-	-	-
Hay, Sudan Grass (ton)	2.90	-	-	-

Household and Personal Expenses North Dakota Farm Business Management Education Program State Report, 2020 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	75	19	14	12
Average family size	3.0	2.6	3.1	3.1
Family Living Expenses				
Food and meals expense	9,702	9,367	12,649	9,535
Medical care	4,839	3,878	6,803	6,437
Health insurance	8,728	7,498	7,055	15,178
Cash donations	2,084	1,318	3,311	3,885
Household supplies	7,072	6,342	8,119	7,053
Clothing	1,701	2,195	2,609	1,334
Personal care	4,081	5,838	4,421	3,217
Child / Dependent care	1,014	1,609	511	31
Alimony and child support	-	-	-	-
Gifts	2,368	2,658	2,413	1,729
Education	919	646	1,189	1,555
Recreation	3,123	3,661	3,453	3,117
Utilities (household share)	4,101	3,634	4,086	5,348
Personal vehicle operating exp	2,596	2,471	2,587	2,232
Household real estate taxes	386	72	446	1,496
Dwelling rent	332	211	250	-
Household repairs	2,040	1,530	1,521	2,265
Personal interest	2,322	2,361	2,120	3,228
Disability / Long term care ins	309	291	200	29
Life insurance payments	3,173	4,669	2,574	4,856
Personal property insurance	873	716	1,317	1,197
Miscellaneous	9,744	8,624	9,845	8,693
Total cash family living expense	71,505	69,576	77,481	82,413
Family living from the farm	159	00,070	711	02,410
Total family living	71,664	69,576	78,192	82,413
	71,004	03,070	70,132	02,410
Other Nonfarm Expenditures				
Income taxes	14,908	24,104	10,474	22,197
Furnishing & appliance purchases	97	362	-	34
Nonfarm vehicle purchases	4,760	1,683	2,466	11,456
Nonfarm real estate purchases	8,598	1,080	10,528	-
Other nonfarm capital purchases	1,143	, -	-	6,660
Nonfarm savings & investments	12,611	2,191	4,192	5,713
Total other nonfarm expenditures	42,118	29,420	27,660	46,059
Total cash family living				
investment & nonfarm capital purch	113,623	98,996	105,141	128,473

Operator and Labor Information North Dakota Farm Business Management Education Program State Report, 2020 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	
Number of farms	327	65	66	66
Operator Information				
Average number of operators	1.1	1.0	1.1	1.3
Average age of operators	47.1	45.1	50.4	49.0
Average number of years farming	22.5	19.7	25.8	26.0
Results Per Operator				
Working capital	338,655	55,757	250,388	777,894
Total assets (market)	3,360,095	2,474,010	2,864,251	5,336,497
Total liabilities	989,235	910,068	768,664	1,387,617
Net worth (market)	2,370,860	1,563,942	2,095,587	3,948,881
Net worth excl deferred liabs	2,373,367	1,563,942	2,095,587	3,953,161
Gross farm income	876,822	518,885	708,277	1,531,459
Total farm expense	716,460	561,921	599,436	1,116,521
Net farm income from operations	160,362	-43,036	108,841	414,938
Net nonfarm income	34,538	50,319	22,225	35,034
Family living & tax withdrawals	73,102	68,907	62,619	97,161
Total acres owned	716.2	575.4	642.1	1,026.2
Total crop acres	2,028.5	1,353.3	1,798.3	3,180.0
Crop acres owned	459.3	278.6	372.8	785.2
Crop acres cash rented	1,495.5	1,035.5	1,379.3	2,292.3
Crop acres share rented	73.8	39.3	46.2	102.5
Total pasture acres	379.9	348.9	247.7	285.5
Labor Analysis				
Number of farms	327	65	66	66
Total unpaid labor hours	2,133	1,863	2,044	2,620
Total hired labor hours	1,205	782	731	2,679
Total labor hours per farm	3,338	2,645	2,775	5,299
Unpaid hours per operator	1,927	1,781	1,874	2,059
Value of farm production / hour	281.99	198.82	272.45	356.44
Net farm income / unpaid hour	83.21	-24.17	58.09	201.53
Average hourly hired labor wage	29.17	26.69	30.43	27.49

Nonfarm Summary North Dakota Farm Business Management Education Program State Report, 2020 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	Liah 20%
		LOW 20%	40 - 00%	High 20%
Number of farms	327	65	66	66
Nonfarm Income				
Personal wages & salary	20,809	26,747	15,218	20,411
Net nonfarm business income	4,337	1,385	814	10,992
Personal rental income	1,468	4,628	300	2,005
Personal interest income	359	44	206	1,292
Personal cash dividends	111	-	32	306
Tax refunds	1,550	2,241	1,013	577
Other nonfarm income	9,601	17,598	6,662	9,004
Total nonfarm income	38,235	52,642	24,246	44,588
Gifts and inheritances	12,279	8,875	5,187	9,802

Financial Summary North Dakota Farm Business Management Education Program State Report, 2020 (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	327	13	41	55	103	80	35
Income Statement Gross cash farm income Total cash farm expense Net cash farm income Inventory change Depreciation Net farm income from operations Gain or loss on capital sales Average net farm income Median net farm income	990,903 747,574 243,328 12,390 -78,192 177,526 -1,489 176,038 116,965	67,151 58,650 8,501 5,892 -4,709 9,684 610 10,293 3,520	170,667 145,143 25,523 28,365 -9,968 43,920 326 44,246 42,314	377,233 286,036 91,196 23,600 -25,588 89,208 335 89,543 88,835	739,480 561,170 178,310 46,889 -65,817 159,381 -2,647 156,734 134,573	1,368,916 1,021,865 347,050 -17,500 -119,771 209,779 -1,541 208,238 181,666	3,135,068 2,356,050 779,018 -54,732 -209,446 514,840 -3,732 511,107 368,579
Profitability (cost) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate	5.9 % 7.1 % 15.9 % 37.0 %	-0.1 % -4.0 % -0.6 % 17.7 %	4.1 % 5.4 % 12.7 % 32.4 %	6.0 % 7.0 % 18.1 % 33.2 %	6.3 % 7.8 % 17.8 % 35.6 %	5.0 % 5.5 % 14.1 % 35.2 %	6.8 % 8.7 % 16.1 % 42.4 %
Profitability (market) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate	6.2 % 7.2 % 20.9 % 29.5 %	0.8 % -0.9 % 5.5 % 15.0 %	3.6 % 3.9 % 15.6 % 23.1 %	6.1 % 6.7 % 25.0 % 24.4 %	7.2 % 8.5 % 26.9 % 26.7 %	5.4 % 6.0 % 19.0 % 28.5 %	6.6 % 7.9 % 17.9 % 36.5 %
Liquidity & Repayment (end of year) Current assets Current liabilities Current ratio Working capital Change in working capital Working capital to gross inc Term debt coverage ratio Replacement coverage ratio Term debt to EBITDA	760,201 385,299 1.97 374,902 71,923 38.6 % 2.49 1.68 1.97	57,080 32,788 1.74 24,292 28,975 34.2 % 1.34 1.24 6.88	154,678 82,900 1.87 71,778 32,919 35.9 % 1.82 1.55 3.64	313,675 134,667 2.33 179,009 47,045 45.2 % 2.44 1.69 2.09	607,120 289,978 2.09 317,141 98,598 41.8 % 2.54 1.75 1.84	991,003 532,863 1.86 458,139 72,711 35.1 % 2.17 1.41 2.16	2,355,320 1,207,544 1.95 1,147,776 92,355 38.7 % 3.02 2.00 1.68
Solvency (end of year at cost) Number of farms Total assets Total liabilities Net worth Net worth change Farm debt to asset ratio Total debt to asset ratio Change in earned net worth %	327 2,990,089 1,092,342 1,897,747 164,951 39 % 37 % 10 %	13 478,883 289,621 189,262 20,555 62 % 60 % 12 %	41 731,128 426,221 304,907 43,436 59 % 58 % 17 %	55 1,564,672 517,667 1,047,005 115,954 39 % 33 % 12 %	103 2,458,604 878,196 1,580,408 156,448 38 % 36 % 11 %	80 4,277,296 1,511,298 2,765,998 174,910 38 % 35 % 7 %	35 7,430,873 2,746,455 4,684,418 440,187 39 % 37 % 10 %
Solvency (end of year at market) Number of farms Total assets Total liabilities Net worth Total net worth change Farm debt to asset ratio Total debt to asset ratio Change in total net worth %	327 3,719,739 1,095,117 2,624,622 226,394 31 % 29 % 9 %	13 551,218 289,621 261,597 24,413 53 % 53 % 10 %	41 983,022 426,221 556,801 51,127 43 % 43 % 10 %	55 2,116,416 517,667 1,598,749 163,073 29 % 24 % 11 %	103 3,222,805 887,006 2,335,799 227,234 29 % 28 % 11 %	80 5,269,217 1,511,298 3,757,919 275,573 31 % 29 % 8 %	35 8,542,735 2,746,455 5,796,280 491,351 34 % 32 % 9 %
Nonfarm Information Net nonfarm income Farms reporting living expenses Total family living expense Total living, invest, cap. purch	38,235 75 71,664 113,623	47,008 4 - -	33,577 14 46,153 63,094	41,557 11 68,753 92,451	29,532 25 67,065 116,321	43,955 18 97,944 163,405	47,749 3 - -
Crop Acres Total crop acres Total crop acres owned Total crop acres cash rented Total crop acres share rented Machinery value per crop acre	2,246 508 1,656 82 380	350 125 206 20 174	499 135 300 64 215	1,019 334 593 93 325	1,858 523 1,244 91 398	3,234 685 2,453 96 406	5,805 918 4,840 47 365

Financial Summary North Dakota Farm Business Management Education Program State Report, 2020 (Farms Sorted By Age of Operator)

	Avg. Of All Farms	Less Than 31	31 - 40	41 - 50	<u>51 - 60</u>	Over 60
Number of farms	327	48	71	47	84	77
Income Statement Gross cash farm income Total cash farm expense Net cash farm income Inventory change Depreciation Net farm income from operations Gain or loss on capital sales Average net farm income Median net farm income	990,903 747,574 243,328 12,390 -78,192 177,526 -1,489 176,038 116,965	528,907 421,661 107,246 51,659 -30,117 128,789 -543 128,246 78,244	834,897 633,942 200,955 33,049 -52,093 181,911 -489 181,423 107,422	1,142,909 869,175 273,734 -34,587 -77,258 161,889 -4,181 157,707 88,835	1,178,629 885,964 292,664 -8,614 -94,868 189,182 -614 188,568 144,854	1,125,175 830,324 294,850 20,449 -114,604 200,695 -2,312 198,383 134,385
Profitability (cost) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate	5.9 % 7.1 % 15.9 % 37.0 %	10.5 % 20.5 % 17.7 % 59.3 %	8.9 % 14.4 % 19.0 % 47.1 %	5.2 % 6.4 % 12.8 % 40.9 %	5.5 % 6.6 % 15.8 % 34.9 %	4.3 % 4.5 % 15.0 % 29.0 %
Profitability (market) Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate	6.2 % 7.2 % 20.9 % 29.5 %	10.9 % 18.8 % 21.0 % 52.0 %	9.4 % 14.0 % 23.1 % 41.0 %	6.1 % 7.5 % 17.8 % 34.4 %	5.0 % 5.5 % 18.9 % 26.7 %	5.2 % 5.6 % 23.5 % 22.3 %
Liquidity & Repayment (end of year) Current assets Current liabilities Current ratio Working capital Change in working capital Working capital to gross inc Term debt coverage ratio Replacement coverage ratio Term debt to EBITDA	760,201 385,299 1.97 374,902 71,923 38.6 % 2.49 1.68 1.97	406,409 245,241 1.66 161,169 55,763 27.5 % 3.31 2.94 1.70	549,807 312,588 1.76 237,219 78,423 28.3 % 2.61 2.14 2.08	788,185 436,706 1.80 351,479 29,852 33.0 % 2.21 1.47 2.40	822,122 480,504 1.71 341,617 112,654 30.4 % 2.01 1.43 2.38	1,090,116 404,414 2.70 685,702 57,249 61.8 % 3.01 1.57 1.34
Solvency (end of year at cost) Number of farms Total assets Total liabilities Net worth Net worth change Farm debt to asset ratio Total debt to asset ratio Change in earned net worth %	327 2,990,089 1,092,342 1,897,747 164,951 39 % 37 % 10 %	48 1,224,985 724,061 500,924 122,550 60 % 59 % 32 %	71 2,074,071 1,019,029 1,055,042 171,971 51 % 49 % 19 %	47 3,138,961 1,308,277 1,830,684 127,941 46 % 42 % 8 %	84 3,526,686 1,377,545 2,149,141 167,526 43 % 39 % 8 %	77 4,258,804 946,584 3,312,221 204,692 24 % 22 % 7 %
Solvency (end of year at market) Number of farms Total assets Total liabilities Net worth Total net worth change Farm debt to asset ratio Total debt to asset ratio Change in total net worth %	327 3,719,739 1,095,117 2,624,622 226,394 31 % 29 % 9 %	48 1,387,161 724,061 663,100 147,475 53 % 52 % 29 %	71 2,379,204 1,019,029 1,360,175 206,933 44 % 43 % 18 %	47 3,677,408 1,308,277 2,369,130 185,106 38 % 36 % 8 %	84 4,567,441 1,377,545 3,189,896 233,926 33 % 30 % 8 %	77 5,510,964 958,368 4,552,596 310,519 19 % 17 % 7 %
Nonfarm Information Net nonfarm income Farms reporting living expenses Total family living expense Total living, invest, cap. purch	38,235 75 71,664 113,623	31,087 9 49,457 74,167	36,472 16 64,611 96,909	53,184 13 89,584 118,389	28,570 16 71,940 92,105	45,736 21 75,252 156,711
Crop Acres Total crop acres Total crop acres owned Total crop acres cash rented Total crop acres share rented Machinery value per crop acre	2,246 508 1,656 82 380	1,658 89 1,496 74 175	1,827 264 1,434 129 322	2,684 491 2,108 86 330	2,538 689 1,803 46 416	2,411 809 1,523 79 500

Financial Summary North Dakota Farm Business Management Education Program State Report, 2020 (Farms Sorted By Farm Type)

	Avg. Of All Farms	Сгор	Beef	Crop and Beef	Other
Number of farms	327	242	23	25	34
Income Statement Gross cash farm income	990,903	1,133,018	266,766	552,482	475,961
Total cash farm expense Net cash farm income	747,574 243,328	845,732 287,285	209,545 57,221	428,149 124,334	358,383 117,578
Inventory change Depreciation	12,390 -78,192	-2,058 -90,652	2,873 -13,773	30,101 -50,703	100,414 -40,361
Net farm income from operations	177,526	194,576	46,320	103,732	177,632
Gain or loss on capital sales Average net farm income	-1,489 176,038	-1,366 193,210	-1,417 44,904	993 104,724	-5,164 172,468
Median net farm income	116,965	135,852	37,384	88,520	61,039
Profitability (cost)	E 0.9/	E 7 0/	2.0.%	4 7 0/	10 7 %
Rate of return on assets Rate of return on equity	5.9 % 7.1 %	5.7 % 6.8 %	3.0 % 2.5 %	4.7 % 5.1 %	10.7 % 15.7 %
Operating profit margin	15.9 % 37.0 %	15.1 % 37.9 %	13.2 % 22.3 %	17.7 % 26.2 %	28.8 % 37.2 %
Asset turnover rate	37.0 %	57.9 %	22.3 70	20.2 70	31.2 %
Profitability (market) Rate of return on assets	6.2 %	6.2 %	3.1 %	5.7 %	7.3 %
Rate of return on equity	7.2 %	7.2 %	2.8 %	6.8 %	8.5 %
Operating profit margin Asset turnover rate	20.9 % 29.5 %	20.2 % 30.7 %	19.0 % 16.1 %	27.1 % 21.2 %	30.6 % 23.9 %
Liquidity & Repayment (end of year)	700.004	070.040	000 447	170 007	
Current assets Current liabilities	760,201 385,299	879,642 440,096	229,417 121,908	478,907 294,357	414,524 178,536
Current ratio	1.97	2.00	1.88	1.63	2.32
Working capital Change in working capital	374,902 71,923	439,546 65,853	107,509 39,583	184,550 75,286	235,988 117,107
Working capital to gross inc	38.6 %	40.4 %	38.7 %	31.9 %	41.2 %
Term debt coverage ratio Replacement coverage ratio	2.49 1.68	2.54 1.65	1.68 1.38	1.74 1.50	3.85 2.54
Term debt to EBITDA	1.97	1.86	3.93	3.22	1.70
Solvency (end of year at cost) Number of farms	327	242	23	25	34
Total assets	2,990,089	3,341,948	1,119,311	2,283,601	1,867,507
Total liabilities	1,092,342	1,178,010	491,196	1,069,095	691,372
Net worth Net worth change	1,897,747 164,951	2,163,938 182,251	628,115 51,024	1,214,506 87,031	1,176,134 160,011
Farm debt to asset ratio	39 %	38 %	46 %	48 %	42 %
Total debt to asset ratio Change in earned net worth %	37 % 10 %	35 % 9 %	44 % 9 %	47 % 8 %	37 % 16 %
Solvency (end of year at market)		0,0	0,10	0 /0	
Number of farms	327	242	23	25	34
Total assets Total liabilities	3,719,739 1,095,117	4,111,274 1,181,760	1,519,684 491,196	2,812,720 1,069,095	2,718,124 691,372
Net worth	2,624,622	2,929,514	1,028,488	1,743,625	2,026,752
Total net worth change Farm debt to asset ratio	226,394 31 %	254,239 31 %	70,435 33 %	141,521 39 %	176,093 27 %
Total debt to asset ratio	29 %	29 %	32 %	38 %	25 %
Change in total net worth %	9 %	10 %	7 %	9 %	10 %
Nonfarm Information Net nonfarm income	38,235	37,608	36.815	33,894	46,463
Farms reporting living expenses	75	49	8	6	12
Total family living expense Total living, invest, cap. purch	71,664 113,623	77,160 131,121	38,522 41,620	74,795 54,722	69,751 119,625
Crop Acres					
Total crop acres Total crop acres owned	2,246 508	2,612 564	553 183	2,018 516	841 348
Total crop acres cash rented	1,656	1,958	359	1,414	340 424
Total crop acres share rented	82	90	10	88	70
Machinery value per crop acre	380	392	366	243	335

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</u> <u>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.

Coronavirus Food Assistance Program 2, a 2020 USDA FSA program that provides producers with financial assistance that gives them the ability to absorb some of the increased marketing costs associated with the COVID-19 pandemic, are included under "Other crop income per acre." "Government payments" are ARC and PLC payments as well as Coronavirus Food Assistance Program 1.

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 <u>All Farms</u>
Number of farms	12
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	$\begin{array}{c} 167.88\\ 75.94\\ 100.00\\ 4.16\\ 0.76\\ 316.78\\ 0.75\\ 27.44\\ 344.97 \end{array}$
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Fuel & oil Repairs Custom hire Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$\begin{array}{c} 20.18\\ 52.47\\ 28.54\\ 13.92\\ 0.46\\ 11.41\\ 27.25\\ 2.24\\ 0.17\\ 6.62\\ 0.84\\ 164.09\\ 180.88\end{array}$
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	$\begin{array}{c} 0.66\\ 11.73\\ 8.28\\ 0.57\\ 10.18\\ 5.28\\ 3.40\\ 1.31\\ 37.17\\ 44.06\\ 2.42\\ 125.05\\ 289.15\\ 55.82 \end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	37.79 93.61 30.10 63.52
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.16 3.81 2.93 3.33
Net value per unit Machinery cost per acre Est. labor hours per acre	4.16 95.85 1.45

Barley on Cash Rent

	Avg. Of All Farms	Low 20%	<u> 40 - 60%</u>	
Number of farms	31	6	6	7
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	$\begin{array}{r} 330.39\\ 68.97\\ 100.00\\ 4.35\\ 0.17\\ 300.47\\ 19.60\\ 26.00\\ 346.07 \end{array}$	180.12 59.53 100.00 3.20 0.75 191.22 26.88 20.14 238.23	$584.50 \\ 64.46 \\ 100.00 \\ 4.64 \\ 0.27 \\ 299.48 \\ 26.30 \\ 24.05 \\ 349.83$	233.82 74.87 100.00 4.63 346.62 48.57 18.10 413.29
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Land rent Machinery leases Marketing Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$18.61 \\ 47.15 \\ 32.05 \\ 15.32 \\ 13.48 \\ 28.46 \\ 6.67 \\ 0.97 \\ 60.74 \\ 0.11 \\ 0.10 \\ 5.46 \\ 1.46 \\ 230.57 \\ 115.50 \\ 115.50 \\ 0.000 \\$	$\begin{array}{c} 15.29\\ 68.55\\ 32.93\\ 8.30\\ 11.43\\ 40.16\\ 9.59\\ 0.21\\ 65.38\\ 1.04\\ 0.89\\ 0.93\\ 2.85\\ 257.55\\ -19.32\end{array}$	22.00 42.73 33.92 11.57 15.33 29.16 3.44 58.62 - 2.70 1.24 220.72 129.12	14.67 46.39 29.70 18.44 8.62 22.10 18.78 3.26 54.41 - - - 4.53 2.29 223.17 190.12
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	$\begin{array}{c} 1.80\\ 14.44\\ 5.97\\ 0.55\\ 5.10\\ 4.83\\ 2.79\\ 2.18\\ 39.39\\ 4.35\\ 81.41\\ 311.98\\ 34.09\end{array}$	5.00 14.24 0.39 0.52 4.05 5.27 4.19 1.82 40.36 3.43 79.28 336.83 -98.60	$\begin{array}{c} 1.10\\ 20.57\\ 4.69\\ 0.31\\ 5.07\\ 4.28\\ 4.52\\ 0.38\\ 54.51\\ 5.70\\ 101.13\\ 321.84\\ 27.99\end{array}$	$\begin{array}{c} 0.09\\ 5.11\\ 10.10\\ 0.16\\ 4.09\\ 5.08\\ 1.20\\ 2.97\\ 22.42\\ 4.43\\ 55.65\\ 278.82\\ 134.47\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	27.38 61.47 25.91 35.56	20.79 -77.81 34.73 -112.54	26.44 54.43 21.96 32.47	26.86 161.32 24.01 137.32
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.34 4.52 3.46 3.84	4.33 5.66 4.51 5.09	3.42 4.99 3.80 4.14	2.98 3.72 2.47 2.80
Net value per unit Machinery cost per acre Est. labor hours per acre	4.35 94.57 1.42	3.20 106.98 1.88	4.64 101.77 1.58	4.63 83.25 0.89

Beans, Pinto on Owned Land

	Avg. Of All Farms
Number of farms	11
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	267.60 15.34 100.00 26.91 412.68 49.20 24.64 486.52
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Utilities Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	62.56 30.53 51.14 22.58 14.15 39.49 1.79 0.52 7.68 2.01 232.44 254.09
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	$\begin{array}{c} 6.88\\ 10.24\\ 8.54\\ 13.88\\ 9.07\\ 6.11\\ 1.79\\ 44.67\\ 54.76\\ 4.54\\ 160.49\\ 392.93\\ 93.59\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	13.25 106.84 33.15 73.70
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	15.16 25.62 19.94 22.10
Net value per unit Machinery cost per acre Est. labor hours per acre	26.91 129.64 1.37

Beans, Pinto on Cash Rent

	Avg. Of <u>All Farms</u>
Number of farms	20
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	611.21 16.45 100.00 25.63 421.57 60.62 19.89 502.08
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Land rent Utilities Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	62.20 33.86 60.34 31.44 15.02 36.64 7.23 67.15 0.13 7.81 2.15 323.99 178.09
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	$\begin{array}{r} 4.37\\ 15.99\\ 8.64\\ 0.67\\ 4.65\\ 4.32\\ 2.02\\ 4.41\\ 47.56\\ 4.14\\ 96.78\\ 420.77\\ 81.31\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	12.15 93.46 32.35 61.12
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	19.69 25.58 19.94 21.91
Net value per unit Machinery cost per acre Est. labor hours per acre	25.63 120.51 1.41

Canola on Owned Land

Acres 204.14 136.23 204.88 Yield per acre (cwt.) 22.21 22.23 22.76 Operators share of yield % 100.00 100.00 100.00 Value per cwt. 17.46 16.80 18.89 Other product return per acre 0.14 - - Total product return per acre 2.24 37.83 430.06 Crop insurance per acre 2.04.11 34.50 20.88 Gross return per acre 410.61 411.96 450.94 Direct Expenses 55.18 Seed and plants 54.31 59.38 55.18 Seed and plants 54.31 59.38 20.82 61.02 Crop chemicals 32.23 29.84 28.88 Crop or insurance 0.21 - - - - - Full & oil 10.88 10.56 11.49 Repairs 24.23 30.33 27.87 Custom hire 0.94 - 2.91 - - - 0.13 Miscellaneous 0.43 <		Avg. Of <u>All Farms</u>	40 - 60%	High 20%
Yield per acre (owt.) 22.21 22.23 22.76 Operators share of yield % 100.00 100.00 100.00 Value per cwt. 17.46 18.80 18.89 Other product return per acre 0.14 - - Total product return per acre 2.24 373.83 430.06 Crop insurance per acre 2.24 345.0 20.88 Gross return per acre 20.41 34.50 20.88 Gross return per acre 410.61 411.96 450.94 Direct Expenses - - - Seed and plants 54.31 59.38 55.18 Seed and plants 54.31 59.38 25.18 Crop chemicals 32.23 29.84 28.88 Crop insurance 0.21 - - Full & oil 10.88 10.56 11.49 Repairs 24.23 30.33 27.87 Custom hire 0.94 - 2.91 Custom hire 0.94 - 2.	Number of farms	22	5	5
Operators share of yield % 100.00 100.00 100.00 Other product return per acre 0.14 - - Other product return per acre 387.96 37.83 430.06 Crop insurance per acre 2.24 3.84 400.06 Other crop income per acre 20.41 34.50 20.88 Gross return per acre 410.61 411.96 450.94 Direct Expenses - - - Seed and plants 54.31 59.38 55.18 Fertilizer 63.80 67.22 61.02 Crop insurance 12.90 - - Drying expense 0.21 - - Custom hire 4.04 7.88 0.62 Operating interest 2.71 1.66 4.03 Miscellaneous 1.48 0.67 1.48 Otal direct expenses per acre 208.88 219.70 203.47 Return over direct exp per acre 206.88 219.70 203.47 Return over direct exp per acre	Acres			
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Net return over lbr & mgt 132.69 122.88 207.63 Cost of Production 9.41 9.88 8.94 Total direct expense per cwt. 12.74 13.35 11.13 Less govt & other income 10.36 10.12 8.84 With labor & management 11.49 11.28 9.77 Net value per unit 17.46 16.80 18.89 Machinery cost per acre 71.64 81.15 60.28	Net return with govt pmts			
Cost of Production Total direct expense per cwt. 9.41 9.88 8.94 Total dir & ovhd exp per cwt. 12.74 13.35 11.13 Less govt & other income 10.36 10.12 8.84 With labor & management 11.49 11.28 9.77 Net value per unit 17.46 16.80 18.89 Machinery cost per acre 71.64 81.15 60.28				
Total direct expense per cwt. 9.41 9.88 8.94 Total dir & ovhd exp per cwt. 12.74 13.35 11.13 Less govt & other income 10.36 10.12 8.84 With labor & management 11.49 11.28 9.77 Net value per unit 17.46 16.80 18.89 Machinery cost per acre 71.64 81.15 60.28	Net return over lbr & mgt	132.69	122.88	207.63
Total dir & ovhd exp per cwt. 12.74 13.35 11.13 Less govt & other income 10.36 10.12 8.84 With labor & management 11.49 11.28 9.77 Net value per unit 17.46 16.80 18.89 Machinery cost per acre 71.64 81.15 60.28	Cost of Production	0.44	0.00	0.04
Less govt & other income 10.36 10.12 8.84 With labor & management 11.49 11.28 9.77 Net value per unit 17.46 16.80 18.89 Machinery cost per acre 71.64 81.15 60.28				
With labor & management 11.49 11.28 9.77 Net value per unit 17.46 16.80 18.89 Machinery cost per acre 71.64 81.15 60.28				
Net value per unit 17.46 16.80 18.89 Machinery cost per acre 71.64 81.15 60.28				
Machinery cost per acre 71.64 81.15 60.28	with labor & management	11.49	11.28	9.77
Machinery cost per acre 71.64 81.15 60.28	Net value per unit			
Est. labor hours per acre 1.20 1.22 1.22	Machinery cost per acre			
	Est. labor hours per acre	1.20	1.22	1.22

Canola on Cash Rent

	Avg. Of All Farms	Low 20%	40 - 60%	
Number of farms	35	7	7	7
Acres Yield per acre (cwt.) Operators share of yield % Value per cwt. Other product return per acre	353.03 21.46 100.00 17.08 0.29	337.88 16.53 100.00 16.56	322.47 21.56 100.00 16.70	268.51 23.23 100.00 18.64
Total product return per acre Crop insurance per acre	366.84 1.37	273.71 3.90	360.13 0.79	432.97
Other crop income per acre Gross return per acre	18.26 386.48	13.76 291.38	21.41 382.33	21.49 454.46
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$53.74 \\ 58.48 \\ 36.75 \\ 15.09 \\ 11.65 \\ 25.37 \\ 5.86 \\ 0.29 \\ 50.78 \\ 4.03 \\ 1.93 \\ 263.96 \\ 122.51$	52.75 53.38 35.13 12.30 12.44 31.25 16.02 1.52 45.06 6.15 1.07 267.06 24.32	60.15 66.66 24.47 10.74 11.76 22.56 5.66 5.66 5.69 3.80 2.34 258.73 123.60	47.76 63.27 28.96 13.35 11.03 26.53 4.02 50.30 3.42 2.28 250.91 203.55
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	$\begin{array}{c} 0.50 \\ 8.87 \\ 5.45 \\ 0.82 \\ 4.70 \\ 3.01 \\ 1.24 \\ 2.07 \\ 31.45 \\ 2.53 \\ 60.63 \\ 324.60 \\ 61.88 \end{array}$	10.52 17.18 4.54 3.83 0.80 1.80 21.05 4.45 64.16 331.22 -39.85	10.25 5.50 2.59 5.02 2.39 0.47 4.48 28.12 2.99 61.81 320.54 61.79	$\begin{array}{c} 2.39\\ 9.72\\ 3.09\\ 1.01\\ 3.47\\ 3.13\\ 0.84\\ 1.32\\ 23.59\\ 3.60\\ 52.17\\ 303.07\\ 151.39\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	32.23 94.11 27.72 66.39	27.95 -11.90 31.42 -43.32	36.86 98.65 30.79 67.86	32.32 183.71 21.12 162.59
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	12.30 15.12 12.69 13.98	16.16 20.04 17.28 19.18	12.00 14.87 12.13 13.56	10.80 13.04 10.73 11.64
Net value per unit Machinery cost per acre Est. labor hours per acre	17.08 80.68 1.20	16.56 99.26 1.25	16.70 75.77 1.25	18.64 69.98 1.08

Corn on Owned Land

	Avq. Of _All Farms	Low 20%	40 - 60%	High 20%
Number of farms	60	12	12	12
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	$\begin{array}{c} 177.71\\ 141.96\\ 100.00\\ 3.91\\ 1.44\\ 556.95\\ -2.12\\ 12.27\\ 39.79\\ 606.88\end{array}$	163.86 84.19 100.00 3.46 291.66 20.42 26.76 338.85	$\begin{array}{c} 177.26 \\ 116.33 \\ 100.00 \\ 3.98 \\ 6.45 \\ 469.35 \\ -10.62 \\ 16.75 \\ 48.96 \\ 524.45 \end{array}$	252.33 183.23 100.00 4.06 743.59 12.82 37.32 793.73
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	$\begin{array}{c} 85.63 \\ 110.39 \\ 25.12 \\ 21.27 \\ 4.48 \\ 19.21 \\ 56.96 \\ 3.05 \\ 0.49 \\ 0.33 \\ 15.19 \\ 0.46 \\ 342.58 \\ 264.30 \end{array}$	83.87 95.24 29.23 16.38 1.60 15.54 56.73 3.44 0.55 10.35 1.51 314.44 24.40	74.72 97.98 24.98 20.90 1.13 15.88 42.19 2.62 0.93 10.00 0.26 291.58 232.87	$\begin{array}{c} 84.08\\ 114.71\\ 19.82\\ 25.10\\ 3.59\\ 23.30\\ 58.04\\ 4.02\\ 0.53\\ 0.52\\ 21.34\\ 0.22\\ 355.27\\ 438.45\end{array}$
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	$\begin{array}{r} 4.30\\ 28.95\\ 8.74\\ 0.46\\ 17.11\\ 8.63\\ 7.32\\ 3.66\\ 32.97\\ 50.09\\ 5.87\\ 168.11\\ 510.69\\ 96.19\end{array}$	$\begin{array}{r} 3.32\\ 11.65\\ 6.27\\ 0.49\\ 8.54\\ 6.99\\ 7.02\\ 2.82\\ 55.24\\ 38.05\\ 4.33\\ 144.71\\ 459.16\\ -120.31\end{array}$	$\begin{array}{c} 7.50\\ 29.62\\ 7.96\\ 1.35\\ 10.13\\ 7.07\\ 5.03\\ 1.56\\ 38.02\\ 66.92\\ 8.90\\ 184.06\\ 475.64\\ 48.81\end{array}$	4.78 32.68 17.48 0.16 21.40 7.76 8.18 4.17 17.86 50.42 7.62 172.51 527.79 265.94
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	24.51 120.70 47.60 73.10	22.21 -98.10 38.31 -136.41	17.34 66.15 55.08 11.07	29.51 295.45 59.73 235.73
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.41 3.60 3.06 3.40	3.73 5.45 4.63 5.08	2.51 4.09 3.41 3.88	1.94 2.88 2.45 2.77
Net value per unit Machinery cost per acre Est. labor hours per acre	3.90 142.53 1.99	3.46 124.98 1.69	3.89 141.91 2.11	4.06 157.32 2.12

Corn on Cash Rent

	Ava. Of All Farms	Low 20%	<u> </u>	High 20%
Number of farms	91	18	18	19
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	447.58 135.48 100.00 3.83 0.37 519.29 0.13 31.33 40.54 591.29	214.11 92.99 100.00 3.55 330.10 35.70 33.23 399.03	$\begin{array}{c} 631.42 \\ 134.47 \\ 100.00 \\ 3.64 \\ 0.82 \\ 490.37 \\ 0.45 \\ 15.13 \\ 45.39 \\ 551.35 \end{array}$	438.58 152.40 100.00 4.11 0.69 627.80 34.00 46.86 708.67
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drving expense Storage Fuel & oil Repairs Custom hire Hired labor Land rent Machinerv leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$\begin{array}{c} 84.27\\ 104.40\\ 24.07\\ 16.58\\ 3.86\\ 0.62\\ 19.69\\ 55.38\\ 3.28\\ 0.46\\ 104.57\\ 0.76\\ 13.18\\ 0.50\\ 431.60\\ 159.69\end{array}$	$\begin{array}{c} 86.22\\ 90.90\\ 25.29\\ 17.16\\ 2.67\\ \\ 17.93\\ 50.25\\ 5.51\\ 1.05\\ 88.51\\ 0.05\\ 13.00\\ 0.68\\ 399.20\\ -0.17\\ \end{array}$	$\begin{array}{c} 87.00\\ 102.88\\ 23.09\\ 11.71\\ 4.71\\ 0.11\\ 16.11\\ 52.73\\ 1.33\\ 1.28\\ 113.29\\ 2.47\\ 7.53\\ 0.34\\ 424.58\\ 126.77\end{array}$	82.15 112.45 23.41 15.63 3.03 2.86 18.78 39.83 7.21 103.22 10.62 0.25 419.42 289.25
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	$\begin{array}{c} 2.93\\ 25.41\\ 12.44\\ 0.44\\ 6.52\\ 6.41\\ 3.28\\ 3.38\\ 42.41\\ 3.92\\ 107.13\\ 538.73\\ 52.56\end{array}$	$\begin{array}{c} 2.07\\ 19.33\\ 8.86\\ 0.03\\ 6.42\\ 9.92\\ 4.83\\ 3.70\\ 42.47\\ 5.44\\ 103.07\\ 502.27\\ -103.24\end{array}$	$\begin{array}{c} 1.32\\ 22.56\\ 6.29\\ 0.67\\ 6.18\\ 5.56\\ 1.56\\ 2.21\\ 42.35\\ 3.69\\ 92.39\\ 516.97\\ 34.38\end{array}$	5.0621.9112.170.855.795.372.984.6244.915.44109.10528.52180.15
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	23.96 76.52 43.60 32.92	27.35 -75.89 44.08 -119.97	25.99 60.37 39.02 21.34	23.37 203.51 44.82 158.69
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.19 3.98 3.27 3.59	4.29 5.40 4.37 4.84	3.16 3.84 3.19 3.48	2.75 3.47 2.78 3.07
Net value per unit Machinerv cost per acre Est. labor hours per acre	3.83 136.91 1.79	3.55 127.34 1.95	3.64 121.65 1.78	4.11 129.16 1.76

Corn on Share Rent

	Avg. Of All Farms
Number of farms	6
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	178.13 163.91 67.75 4.11 456.42 20.68 23.41 500.51
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	$\begin{array}{c} 83.47\\ 124.03\\ 18.22\\ 16.45\\ 9.16\\ 20.85\\ 47.81\\ 6.63\\ 3.52\\ 0.73\\ 0.24\\ 331.10\\ 169.41 \end{array}$
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	$\begin{array}{c} 2.76\\ 13.87\\ 8.53\\ 5.08\\ 5.36\\ 2.04\\ 1.08\\ 55.98\\ 7.13\\ 101.83\\ 432.93\\ 67.57\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	19.34 86.92 51.66 35.25
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.98 3.90 3.33 3.79
Net value per unit Machinery cost per acre Est. labor hours per acre	4.11 139.70 2.16

Corn Silage on Owned Land

	Avg. Of All Farms
Number of farms	17
Acres Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	72.92 14.87 100.00 27.73 412.36 4.12 29.85 446.33
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	$\begin{array}{c} 65.69\\ 59.19\\ 21.43\\ 10.31\\ 17.71\\ 42.93\\ 41.72\\ 6.25\\ 1.71\\ 266.94\\ 179.40\\ \end{array}$
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	$\begin{array}{r} 3.84\\ 8.70\\ 0.49\\ 0.58\\ 5.70\\ 4.10\\ 2.82\\ 1.54\\ 17.45\\ 45.96\\ 4.17\\ 95.35\\ 362.29\\ 84.04\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	25.42 109.46 33.38 76.08
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	17.95 24.36 20.37 22.61
Net value per unit Machinery cost per acre Est. labor hours per acre	27.73 151.35 2.11

Corn Silage on Cash Rent

	Avg. Of All Farms
Number of farms	10
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	186.52 19.44 100.00 31.67 615.48 32.06 39.15 686.70
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	84.65 83.18 25.24 17.57 20.81 52.53 17.06 87.29 15.40 0.22 403.95 282.75
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	$\begin{array}{c} 1.53\\ 47.56\\ 6.60\\ 0.08\\ 2.97\\ 6.19\\ 4.77\\ 3.37\\ 38.89\\ 3.04\\ 115.00\\ 518.95\\ 167.75\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	23.39 191.14 37.38 153.75
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	20.78 26.70 21.83 23.75
Net value per unit Machinery cost per acre Est. labor hours per acre	31.67 135.75 2.14

CRP on Owned Land				
	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	28	5	5	6
Acres Gross return per acre	114.77 60.61	90.18 44.79	95.73 35.36	134.08 91.12
Direct Expenses Repairs Miscellaneous Total direct expenses per acre Return over direct exp per acre	1.93 1.03 2.96 57.65	1.66 0.45 2.10 42.69	0.77 0.22 0.99 34.36	4.06 0.18 4.24 86.88
Overhead Expenses RE & pers. property taxes Farm insurance Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	8.96 0.76 17.40 2.18 1.34 30.64 33.60 27.01	21.87 0.45 44.68 1.09 1.21 69.30 71.40 -26.61	5.36 0.08 10.74 0.70 0.70 17.59 18.58 16.78	5.99 1.30 2.40 3.04 0.86 13.59 17.83 73.29
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	0.66 27.66 1.18 26.49	-26.61 1.04 -27.65	4.40 21.18 0.82 20.36	- 73.29 1.31 71.98
Net value per unit Machinery cost per acre Est. labor hours per acre	1.00 4.58 0.06	1.00 3.32 0.05	1.00 1.93 0.04	1.00 7.12 0.06

Flax on Owned Land

	Avg. Of All Farms
Number of farms	6
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	195.73 17.98 100.00 10.58 190.21 45.31 25.61 261.13
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	$\begin{array}{c} 13.55\\ 26.82\\ 22.12\\ 11.68\\ 8.47\\ 19.78\\ 6.37\\ 1.50\\ 2.44\\ 112.74\\ 148.38\end{array}$
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	5.07 1.00 4.77 3.81 3.32 0.52 9.55 15.30 4.14 47.47 160.21 100.92
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	19.44 120.35 25.11 95.24
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	6.27 8.91 3.88 5.28
Net value per unit Machinery cost per acre Est. labor hours per acre	10.58 48.86 1.23

Flax on Cash Rent

	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 Other crop income per acre Gross return per acre	196.49 25.28 100.00 11.09 280.39 21.24 301.63
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	$\begin{array}{c} 14.34\\ 38.05\\ 28.27\\ 12.10\\ 9.59\\ 28.23\\ 3.66\\ 37.21\\ 4.07\\ 0.07\\ 175.59\\ 126.04\end{array}$
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	0.63 5.76 1.77 3.70 1.92 1.50 1.65 23.42 1.94 42.29 217.88 83.76
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	29.60 113.36 25.81 87.55
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 Est. labor hours per acre	6.95 8.62 6.61 7.63 11.09 67.74 1.08
	1.00

Hay, Alfalfa on Owned Land

	Avg. Of All Farms
Number of farms	17
Acres Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	81.91 2.34 100.00 72.00 168.32 3.28 15.42 187.02
Direct Expenses Fertilizer Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$\begin{array}{c} 2.51 \\ 1.61 \\ 11.30 \\ 31.86 \\ 0.28 \\ 4.36 \\ 0.10 \\ 52.02 \\ 135.00 \end{array}$
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	$\begin{array}{c} 1.86\\ 12.84\\ 3.73\\ 6.58\\ 4.50\\ 3.86\\ 1.84\\ 31.44\\ 27.44\\ 1.67\\ 95.76\\ 147.78\\ 39.24\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	7.56 46.80 20.82 25.98
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	22.25 63.21 51.98 60.88 72.00 76.06
Est. labor hours per acre	1.18

Hay, Alfalfa on Cash Rent

	Av <u>g</u> . Of All Farms
Number of farms	17
Acres Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	82.10 2.43 100.00 83.41 202.56 13.86 13.85 230.27
Direct Expenses Seed and plants Fertilizer Crop insurance Fuel & oil Repairs Hired labor Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$\begin{array}{c} 17.15\\ 6.71\\ 2.74\\ 12.25\\ 29.63\\ 0.86\\ 58.51\\ 7.65\\ 1.57\\ 137.07\\ 93.19\end{array}$
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	$\begin{array}{c} 2.21\\ 11.45\\ 1.96\\ 0.23\\ 5.33\\ 3.68\\ 3.28\\ 2.98\\ 35.11\\ 2.20\\ 68.42\\ 205.50\\ 24.77\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	12.76 37.53 22.80 14.73
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	56.44 84.62 67.96 77.35
Net value per unit Machinery cost per acre Est. labor hours per acre	83.41 79.49 1.46

Hay, Grass on Owned Land

	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 Other crop income per acre Gross return per acre	121.50 1.38 100.00 51.59 71.29 2.86 74.15
Direct Expenses Seed and plants Fertilizer Crop chemicals Fuel & oil Repairs Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$ \begin{array}{r} 1.30\\ 1.13\\ 1.52\\ 6.86\\ 13.08\\ 4.24\\ 0.42\\ 28.55\\ 45.61\end{array} $
Overhead Expenses Custom hire 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	$\begin{array}{c} 1.66\\ 2.31\\ 3.15\\ 1.32\\ 1.33\\ 0.53\\ 5.56\\ 13.43\\ 3.27\\ 32.56\\ 61.10\\ 13.05\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	0.92 13.97 13.36 0.61
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	20.66 44.21 41.48 51.15
Net value per unit Machinery cost per acre Est. labor hours per acre	51.59 34.96 1.04

Hay, 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	$179.63 \\ 1.08 \\ 100.00 \\ 61.33 \\ 66.24 \\ 0.53 \\ 1.82 \\ 68.59$
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$\begin{array}{c} 2.18\\ 1.35\\ 1.30\\ 0.14\\ 6.45\\ 18.92\\ 0.69\\ 0.21\\ 20.87\\ 3.04\\ 0.77\\ 55.92\\ 12.67\end{array}$
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	0.79 5.50 0.37 1.31 1.42 0.47 1.77 12.50 3.73 27.86 83.77 -15.18
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	1.06 -14.12 14.10 -28.22
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	51.77 77.56 74.40 87.46
Net value per unit Machinery cost per acre Est. labor hours per acre	61.33 40.74 1.34

Hay, Mixed Alfalfa/Grass on Owned Land

	Avg. Of All Farms
Number of farms	16
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	153.50 1.16 100.00 57.47 66.59 4.82 7.98 79.38
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	$\begin{array}{c} 1.47\\ 0.52\\ 0.17\\ 0.69\\ 7.48\\ 24.35\\ 3.33\\ 2.05\\ 0.35\\ 40.42\\ 38.97\end{array}$
Overhead Expenses Hired labor 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	3.97 0.18 5.64 3.07 2.29 0.80 12.57 19.52 3.82 51.88 92.29 -12.91
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	5.79 -7.12 18.58 -25.70
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	34.88 79.66 63.62 79.65
Net value per unit Machinery cost per acre Est. labor hours per acre	57.47 55.62 0.97

Hay, Mixed Alfalfa/Grass on Cash Rent

	Avg. Of All Farms
Number of farms	17
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	$\begin{array}{c} 214.78 \\ 1.20 \\ 100.00 \\ 53.86 \\ 0.24 \\ 64.80 \\ 0.77 \\ 10.42 \\ 75.98 \end{array}$
Direct Expenses Seed and plants Crop insurance Fuel & oil Repairs Custom hire Hired labor Land rent Operating interest Total direct expenses per acre Return over direct exp per acre	$\begin{array}{c} 0.85\\ 0.32\\ 6.63\\ 19.02\\ 3.36\\ 0.16\\ 24.72\\ 2.41\\ 57.48\\ 18.50\end{array}$
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	0.84 1.00 1.72 2.62 1.77 1.23 3.84 10.50 2.40 25.91 83.39 -7.41
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	4.74 -2.67 14.66 -17.34
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	47.95 69.57 56.09 68.32
Net value per unit Machinery cost per acre Est. labor hours per acre	53.86 45.30 0.83

Hay, Mixed Alfalfa/Grass on Share Rent

	Avg. Of All Farms
Number of farms	8
Acres Yield per acre (ton) Operators share of yield %	187.54 1.33 96.49
Value per ton Total product return per acre Crop insurance per acre	72.76 93.59 2.27
Gross return per acre	95.86
Direct Expenses Crop insurance Fuel & oil Repairs Operating interest Total direct expenses per acre Return over direct exp per acre	0.50 5.60 17.45 0.87 24.42 71.44
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	$\begin{array}{c} 1.00\\ 3.53\\ 0.71\\ 3.21\\ 1.32\\ 1.10\\ 1.89\\ 12.11\\ 0.56\\ 25.43\\ 49.84\\ 46.01\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	- 46.01 16.07 29.94
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	18.98 38.75 36.99 49.48
Net value per unit Machinery cost per acre Est. labor hours per acre	72.76 38.06 0.98

Hay, Small Grain on Owned Land

	Avg. Of All Farms	40 - 60%	
Number of farms	22	5	5
Acres	88.50	122.86	92.32
/ield per acre (ton)	2.21	2.00	2.84
Dperators share of yield % /alue per ton	100.00 60.27	100.00 45.43	100.00 68.77
otal product return per acre	133.46	91.03	195.42
Other crop income per acre	16.60	19.88	5.65
Gross return per acre	150.06	110.91	201.07
Direct Expenses			
Seed and plants	13.26	8.39	15.10
Fertilizer	26.20	25.39	3.69
Crop chemicals Crop insurance	5.54 1.71	5.23 1.50	4.53
Fuel & oil	8.03	7.32	6.95
Repairs	21.31	18.97	13.35
Custom hire	3.52	-	5.89
Hired labor	0.18	-	-
Machinery leases	0.21	0.11	-
Operating interest Miscellaneous	3.80 1.16	2.38 2.94	5.18
otal direct expenses per acre	84.92	72.24	54.69
Return over direct exp per acre	65.14	38.67	146.38
Overhead Expenses			
Custom hire	1.66	2.95	0.49
Hired labor	4.15	1.28	7.87
Machinery leases	0.66	0.89	0.98
RE & pers. property taxes Farm insurance	4.95 3.95	4.59 2.85	4.74 3.28
Utilities	2.50	2.03	2.00
Dues & professional fees	1.31	0.84	0.90
Interest	12.80	8.11	6.99
Mach & bldg depreciation	19.72	16.77	11.11
Miscellaneous	4.90	4.43	3.60
otal overhead expenses per acre	56.61	44.95	41.95
otal dir & ovhd expenses per acre Net return per acre	141.53 8.53	117.19 -6.27	96.64 104.43
Government payments	17.53	27.64	8.35
Net return with govt pmts	26.06	21.37	112.78
.abor & management charge Net return over lbr & mgt	17.00 9.06	15.64 5.73	14.12 98.66
Cost of Production			
otal direct expense per ton	38.35	36.06	19.25
otal dir & ovhd exp per ton	63.91	58.49	34.01
ess govt & other income	48.50	34.77	29.08
Vith labor & management	56.18	42.58	34.05
let value per unit	60.27	45.43	68.77
<i>l</i> lachinery cost per acre Est. labor hours per acre	55.81 1.14	48.07 1.03	38.77 1.10
-si japor nours per acre	1 14	1.03	1 10

Hay, Small Grain on Cash Rent

	Avg. Of <u>All Farms</u>	<u>High 20%</u>
Number of farms	21	5
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	94.97 1.81 100.00 63.58 1.40 116.54 1.49 18.60 136.64	92.62 2.46 100.00 67.64 166.20 6.42 21.23 193.85
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$\begin{array}{c} 15.99\\ 25.58\\ 7.07\\ 4.06\\ 7.47\\ 16.64\\ 3.04\\ 0.20\\ 38.47\\ 2.79\\ 1.78\\ 123.08\\ 13.56\end{array}$	14.16 25.97 11.48 3.93 5.67 8.68 4.11 - 32.67 2.41 0.31 109.40 84.45
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	$\begin{array}{c} 1.51\\ 3.53\\ 0.87\\ 0.21\\ 3.85\\ 3.36\\ 1.96\\ 5.13\\ 22.40\\ 3.13\\ 45.95\\ 169.03\\ -32.39\end{array}$	$\begin{array}{c} 0.15\\ 2.23\\ 0.07\\ 0.62\\ 2.85\\ 1.88\\ 0.09\\ 3.51\\ 13.21\\ 2.59\\ 27.21\\ 136.61\\ 57.24\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over Ibr & mgt	19.31 -13.09 18.81 -31.90	6.73 63.97 16.67 47.30
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	67.96 93.33 70.81 81.19	44.52 55.59 41.60 48.39
Net value per unit Machinery cost per acre Est. labor hours per acre	63.58 54.41 1.17	67.64 34.11 0.79

Oats on Cash Rent

	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 Other crop income per acre Gross return per acre	$\begin{array}{r} 136.33\\95.15\\100.00\\2.71\\257.99\\17.55\\22.60\\298.14\end{array}$
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	$\begin{array}{c} 22.45\\ 50.81\\ 21.35\\ 16.75\\ 12.93\\ 30.95\\ 5.69\\ 49.02\\ 10.37\\ 3.45\\ 223.77\\ 74.36\end{array}$
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	$\begin{array}{c} 7.38\\ 3.60\\ 1.69\\ 5.06\\ 1.69\\ 2.15\\ 3.63\\ 22.41\\ 3.29\\ 50.90\\ 274.67\\ 23.46\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	24.67 48.13 27.97 20.16
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.35 2.89 2.21 2.50
Net value per unit Machinery cost per acre Est. labor hours per acre	2.71 76.70 1.12

Pasture on Owned Land

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
			40 - 0070	
Number of farms	42	8	9	9
Acres	840.27	849.22	935.59	513.13
Yield per acre (aum)	0.86	0.75	0.84	1.42
Operators share of yield %	100.00	100.00	100.00	100.00
Value per aum	20.60	21.08	19.58	21.47
Total product return per acre	17.67	15.84	16.53	30.45
Crop insurance per acre	0.11	0.06	-	0.77
Other crop income per acre	0.65	-	-	5.00
Gross return per acre	18.44	15.90	16.53	36.23
Direct Expenses				
Repairs	0.99	0.83	1.14	2.01
Miscellaneous	0.61	0.81	0.58	1.01
Total direct expenses per acre	1.61	1.64	1.72	3.02
Return over direct exp per acre	16.83	14.26	14.81	33.21
Overhead Expenses				
RE & pers. property taxes	2.67	3.57	2.21	2.57
Farm insurance	0.37	1.07	0.23	0.45
Interest	7.82	27.06	3.98	3.31
Mach & bldg depreciation	0.86	1.44	0.80	0.93
Miscellaneous	0.85	1.60	0.76	0.75
Total overhead expenses per acre	12.57	34.74	7.98	8.01
Total dir & ovhd expenses per acre	14.18	36.38	9.70	11.03
Net return per acre	4.25	-20.48	6.83	25.20
Government payments	-	-	-	-
Net return with govt pmts	4.25	-20.48	6.83	25.20
Labor & management charge	0.75	0.72	0.96	0.78
Net return over Ibr & mgt	3.50	-21.20	5.86	24.42
Cost of Production				
Total direct expense per aum	1.88	2.19	2.04	2.13
Total dir & ovhd exp per aum	16.53	48.42	11.49	7.78
Less govt & other income	15.64	48.34	11.49	3.70
With labor & management	16.52	49.30	12.63	4.25
Net value per unit	20.60	21.08	19.58	21.47
Machinery cost per acre	2.33	2.89	2.54	3.42
Est. labor hours per acre	0.05	0.04	0.07	0.06

Pasture on Cash Rent

Acres

Repairs

10

943.76

100.00

22.66

33.82

19.73

1.25

54.80

3.27

0.98

18.38

0.54

23.16

31.64

1.22

1.49

Avg. Of All Farms Low 20% 40 - 60% High 20% Number of farms 47 9 10 1.014.92 1.347.94 920.10 Yield per acre (aum) 0.63 0.86 0.97 Operators share of yield % 100.00 100.00 100.00 Value per aum 21.22 21.79 20.46 Total product return per acre 17.56 20.57 13.76 Crop insurance per acre 0.28 3.96 Other crop income per acre 0.33 13.76 17.84 Gross return per acre 24.85 **Direct Expenses** Crop insurance 0.74 0.07 0.38 0.84 0.72 0.60 Land rent 17.74 19.20 15.27 Miscellaneous 0.57 0.43 0.85 17.11 Total direct expenses per acre 19.89 20.42 -6.66 0.74 Return over direct exp per acre 4.96 **Overhead Expenses** Mach & bldg depreciation 0.82 0.76 0.69

		••••		
Miscellaneous	0.94	1.14	0.95	0.99
Total overhead expenses per acre	1.76	1.90	1.64	2.22
Total dir & ovhd expenses per acre	21.66	22.32	18.74	25.38
Net return per acre	3.19	-8.56	-0.90	29.42
Government payments	-	-	-	-
Net return with govt pmts	3.19	-8.56	-0.90	29.42
Labor & management charge	0.81	0.87	0.69	0.69
Net return over lbr & mgt	2.38	-9.43	-1.59	28.73
Cost of Production				
Total direct expense per aum	20.52	32.33	19.93	15.52
Total dir & ovhd exp per aum	22.34	35.35	21.84	17.01
Less govt & other income	17.92	35.35	21.51	2.95
With labor & management	18.76	36.72	22.32	3.41
Net value per unit	21.22	21.79	20.46	22.66
Machinery cost per acre	2.13	1.98	1.70	2.68
Est. labor hours per acre	0.05	0.06	0.04	0.04

Peas, Field on Owned Land

	Avg. Of All Farms
Number of farms	6
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	360.90 36.07 100.00 5.93 213.85 0.53 9.34 223.71
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	$\begin{array}{c} 25.50 \\ 6.47 \\ 38.57 \\ 7.49 \\ 11.23 \\ 29.02 \\ 2.47 \\ 4.14 \\ 0.56 \\ 125.45 \\ 98.26 \end{array}$
Overhead Expenses Custom hire Hired labor 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	$\begin{array}{c} 1.03\\ 15.69\\ 0.76\\ 7.80\\ 4.32\\ 1.78\\ 0.80\\ 8.51\\ 20.22\\ 2.02\\ 62.92\\ 188.37\\ 35.34\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	15.71 51.05 21.80 29.26
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.48 5.22 4.51 5.12
Net value per unit Machinery cost per acre Est. labor hours per acre	5.93 61.80 1.13

Peas, Field on Cash Rent

	Avg. Of All Farms
Number of farms	13
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	212.08 37.17 100.00 7.76 288.36 9.16 19.62 317.14
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	$\begin{array}{c} 35.12\\ 8.61\\ 41.89\\ 11.47\\ 12.52\\ 28.30\\ 5.67\\ 49.63\\ 0.60\\ 6.48\\ 5.24\\ 205.54\\ 111.61\end{array}$
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	$\begin{array}{c} 0.63\\ 9.76\\ 5.10\\ 1.87\\ 4.29\\ 1.77\\ 0.98\\ 3.20\\ 25.45\\ 2.41\\ 55.45\\ 260.99\\ 56.16\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	21.00 77.16 31.99 45.17
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	5.53 7.02 5.68 6.54
Net value per unit Machinery cost per acre Est. labor hours per acre	7.76 78.93 1.25

Prevented planting on Owned Land

	Avg. Of <u>All Farms</u>	Low 20%	40 - 60%	
Number of farms	39	7	8	8
Acres	293.58	262.67	312.15	161.30
Crop insurance per acre	182.46	109.67	172.42	263.14
Other crop income per acre	4.56	5.33	12.41	4.12
Gross return per acre	187.01	115.00	184.84	267.26
Direct Expenses				
Seed and plants	0.38	-	-	2.05
Fertilizer	0.18	1.15	-	-
Crop chemicals	6.91	12.88	0.83	3.42
Cover crop expense	2.08	2.54	0.61	
Crop insurance	11.05	14.01	11.12	14.09
Fuel & oil	4.10	3.32	6.11	4.41
Repairs	10.56	7.87	14.75	9.80
Custom hire	0.47	0.58	-	-
Operating interest	3.49	0.41	3.11	1.69
Miscellaneous	1.20	-	-	-
Total direct expenses per acre	40.42	42.75 72.24	36.54	35.46
Return over direct exp per acre	146.59	12.24	148.29	231.80
Overhead Expenses				
Custom hire	0.54	0.75	0.81	0.91
Hired labor	2.45	2.33	0.89	3.57
Machinery leases	1.53	0.43	1.81	0.43
RE & pers. property taxes	7.87	7.64	7.21	8.91
Farm insurance	5.77	5.10	8.04	4.67
Utilities	3.85	4.15	4.92	3.76
Dues & professional fees	1.56	3.01	1.11	1.87
Interest	32.11	36.37	11.83	29.16
Mach & bldg depreciation	15.47	13.16	23.61	14.62
Miscellaneous	5.96	7.25 80.20	10.25 70.47	5.93 73.82
Total overhead expenses per acre	77.13 117.55	122.95	107.02	109.28
Total dir & ovhd expenses per acre		-7.95	77.82	157.98
Net return per acre	69.47	-7.95	11.02	157.90
Government payments	22.21	26.87	15.66	19.06
Net return with govt pmts	91.67	18.92	93.48	177.04
Labor & management charge	10.58	7.94	15.00	10.29
Net return over Ibr & mgt	81.10	10.98	78.47	166.75
Net value per unit	-	-	-	-
Machinery cost per acre	34.95	27.47	44.46	30.99
Est. labor hours per acre	0.41	0.37	0.54	0.44

Prevented planting on Cash Rent

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	65	13	13	13
Acres Gross return per acre	413.20 198.93	205.72 131.29	418.14 188.80	608.04 252.25
Direct Expenses Seed and plants Crop chemicals Cover crop expense Crop insurance Fuel & oil Repairs Custom hire Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	1.82 7.32 0.93 14.78 3.18 7.77 1.85 68.81 2.59 1.10 110.14 88.79	23.70 - 11.62 4.49 11.80 2.99 61.45 0.75 0.73 117.54 13.76	0.98 3.33 15.80 3.65 7.36 0.28 68.16 3.97 0.01 103.54 85.26	1.35 5.00 1.36 19.54 2.45 7.52 3.27 71.91 1.16 - 113.56 138.69
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	0.68 4.02 1.03 4.78 3.02 2.20 2.63 9.88 5.30 33.52 143.66 55.26	1.35 2.84 1.68 6.36 6.75 2.07 3.33 11.01 9.38 44.78 162.31 -31.02	0.54 3.17 1.91 4.28 3.92 0.99 3.95 11.15 6.40 36.31 139.85 48.95	1.00 6.05 0.63 4.30 1.21 1.19 1.18 6.98 5.35 27.90 141.46 110.79
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	22.32 77.58 8.53 69.06	22.09 -8.93 8.61 -17.54	18.01 66.96 8.83 58.13	22.51 133.31 7.02 126.29
Net value per unit Machinery cost per acre Est. labor hours per acre	1.00 26.59 0.39	1.00 36.01 0.45	27.49 0.39	22.55 0.28

Prevented planting on Share Rent

	Avg. Of _All Farms
Number of farms	8
Acres Crop insurance per acre Other crop income per acre Gross return per acre	111.76 86.85 0.70 87.55
Direct Expenses Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Total direct expenses per acre Return over direct exp per acre	4.80 6.97 4.20 3.70 7.57 0.04 0.68 27.95 59.60
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	$\begin{array}{c} 3.19\\ 3.39\\ 0.25\\ 3.49\\ 3.15\\ 0.78\\ 2.00\\ 13.06\\ 4.95\\ 34.26\\ 62.22\\ 25.34\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	11.83 37.17 7.72 29.45
Net value per unit Machinery cost per acre Est. labor hours per acre	29.40 0.33

Rye on Owned Land

	Avg. Of All Farms
Number of farms	6
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Other crop income per acre Gross return per acre	72.07 48.90 100.00 4.14 202.30 48.93 251.23
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	$5.63 \\ 56.51 \\ 7.83 \\ 4.27 \\ 11.25 \\ 34.56 \\ 2.44 \\ 5.21 \\ 1.71 \\ 129.40 \\ 121.82 \\$
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	$\begin{array}{c} 1.64\\ 14.15\\ 0.61\\ 0.53\\ 6.00\\ 5.68\\ 3.52\\ 1.46\\ 18.54\\ 29.48\\ 2.50\\ 84.13\\ 213.53\\ 37.69\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	32.05 69.74 23.08 46.66
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.65 4.37 2.71 3.18
Net value per unit Machinery cost per acre Est. labor hours per acre	4.14 78.66 1.26

Soybeans on Owned Land

	Avg. Of _All Farms	Low 20%	40 - 60%	High 20%
Number of farms	93	18	18	19
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Hedging gains/losses per acre	324.72 33.30 100.00 9.93 330.76 0.00	397.53 27.40 100.00 9.07 248.66	302.77 33.49 100.00 9.79 327.91	356.20 40.84 100.00 11.16 455.72
Crop insurance per acre Other crop income per acre Gross return per acre	9.48 21.43 361.68	8.18 15.68 272.52	13.97 20.01 361.90	11.36 27.04 494.12
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	58.39 7.60 30.49 14.51 11.01 27.02 2.77 0.40 5.62 1.40 159.23 202.44	62.01 9.09 29.47 16.16 10.46 27.51 1.94 0.79 4.23 2.59 164.24 108.28	55.48 9.86 27.81 16.88 12.92 31.92 4.80 0.06 7.59 0.45 167.76 194.14	56.83 1.66 29.66 12.91 11.56 24.75 3.80 0.69 8.74 1.18 151.78 342.34
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	$\begin{array}{c} 1.24\\ 9.92\\ 3.78\\ 0.34\\ 11.70\\ 6.53\\ 5.33\\ 2.85\\ 30.77\\ 38.16\\ 5.72\\ 116.33\\ 275.57\\ 86.11\end{array}$	$\begin{array}{c} 1.66\\ 11.36\\ 7.38\\ 0.88\\ 10.12\\ 6.60\\ 4.41\\ 4.38\\ 45.16\\ 41.46\\ 5.05\\ 138.45\\ 302.69\\ -30.17\end{array}$	$\begin{array}{c} 2.02\\ 5.49\\ 1.71\\ \\ 13.93\\ 6.72\\ 7.28\\ 3.24\\ 31.32\\ 34.80\\ 8.00\\ 114.50\\ 282.26\\ 79.64\end{array}$	$\begin{array}{c} 0.60\\ 14.73\\ 4.22\\ 0.29\\ 13.59\\ 8.02\\ 4.59\\ 2.09\\ 27.21\\ 40.44\\ 5.88\\ 121.66\\ 273.44\\ 220.68\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	27.59 113.70 27.05 86.65	29.43 -0.73 23.17 -23.91	29.81 109.45 31.19 78.25	24.97 245.65 31.07 214.58
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	4.78 8.28 6.52 7.33	5.99 11.05 9.10 9.95	5.01 8.43 6.52 7.45	3.72 6.70 5.14 5.90
Net value per unit Machinery cost per acre Est. labor hours per acre	9.93 84.26 1.15	9.07 90.79 1.08	9.79 87.95 1.17	11.16 87.34 1.09

Soybeans on Cash Rent

	Avg. Of All Farms	Low 20%	<u> </u>	High 20%
Number of farms	140	28	28	28
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	768.50 32.02 100.00 9.61 307.69 0.44 21.58 20.53 350.24	804.02 27.16 100.00 8.94 242.74 14.35 19.22 276.31	935.86 32.73 100.00 9.42 308.48 1.02 9.20 20.10 338.81	647.73 37.66 100.00 10.37 390.52 - 44.85 22.60 457.97
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Storage 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	58.47 8.65 30.16 14.74 0.21 11.29 28.07 2.92 0.29 77.86 0.77 6.23 1.29 240.93 109.31	$58.53 \\ 12.90 \\ 34.10 \\ 17.34 \\ 0.58 \\ 10.87 \\ 31.64 \\ 3.59 \\ 0.65 \\ 78.82 \\ - \\ 8.27 \\ 1.14 \\ 258.44 \\ 17.87 \\ $	$\begin{array}{c} 62.54\\ 9.39\\ 26.38\\ 12.78\\ 0.24\\ 11.62\\ 24.62\\ 3.80\\ 0.65\\ 71.86\\ 1.54\\ 4.08\\ 1.73\\ 231.22\\ 107.59\end{array}$	53.68 6.78 31.94 14.23 10.32 25.71 2.09 82.65 0.44 8.70 0.25 236.79 221.18
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	$\begin{array}{c} 1.18\\ 13.31\\ 4.84\\ 0.47\\ 5.63\\ 4.54\\ 3.15\\ 3.34\\ 31.50\\ 3.97\\ 71.93\\ 312.86\\ 37.38\end{array}$	$\begin{array}{c} 1.30 \\ 14.88 \\ 4.35 \\ 0.51 \\ 6.43 \\ 5.12 \\ 4.31 \\ 3.39 \\ 33.90 \\ 4.69 \\ 78.88 \\ 337.31 \\ -61.00 \end{array}$	$\begin{array}{c} 1.04\\ 14.13\\ 2.66\\ 0.11\\ 4.78\\ 3.96\\ 2.72\\ 3.07\\ 34.30\\ 4.44\\ 71.23\\ 302.45\\ 36.37\end{array}$	$\begin{array}{c} 1.30\\ 12.88\\ 6.38\\ 0.42\\ 5.42\\ 3.86\\ 1.89\\ 2.96\\ 27.46\\ 3.21\\ 65.77\\ 302.57\\ 155.40\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	25.17 62.55 25.24 37.31	24.68 -36.33 24.95 -61.28	24.85 61.22 24.09 37.13	24.54 179.94 26.41 153.53
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	7.52 9.77 7.66 8.44	9.51 12.42 10.27 11.19	7.06 9.24 7.55 8.29	6.29 8.03 5.59 6.29
Net value per unit Machinery cost per acre Est. labor hours per acre	9.62 81.39 1.19	8.94 87.40 1.30	9.46 79.25 1.14	10.37 75.02 1.08

Soybeans on Share Rent

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	25	5	5	5
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	$189.49 \\ 35.87 \\ 65.71 \\ 9.14 \\ 215.39 \\ 4.65 \\ 14.96 \\ 235.00$	138.64 30.16 56.57 8.66 147.82 10.39 158.21	$\begin{array}{r} 380.20\\ 36.42\\ 70.15\\ 9.05\\ 231.24\\ 3.75\\ 15.99\\ 250.99\end{array}$	107.96 37.23 71.16 9.84 260.75 27.65 20.88 309.27
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	49.84 6.26 29.70 10.84 11.81 23.10 1.75 0.08 2.74 0.57 136.70 98.30	55.68 11.36 27.82 8.10 14.04 27.14 4.40 5.99 0.28 154.81 3.41	54.14 5.20 33.48 11.51 10.75 20.26 0.89 - 1.54 0.49 138.27 112.72	$\begin{array}{r} 47.90\\ 8.45\\ 32.99\\ 16.87\\ 13.05\\ 31.40\\ 2.17\\ 0.53\\ 3.13\\ 2.24\\ 158.75\\ 150.53\end{array}$
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	$\begin{array}{c} 1.03\\ 6.73\\ 1.90\\ 0.54\\ 4.93\\ 3.93\\ 1.46\\ 2.09\\ 41.99\\ 5.34\\ 69.95\\ 206.65\\ 28.35\end{array}$	0.13 4.12 - 0.58 4.99 3.44 2.99 2.79 35.45 4.32 58.80 213.61 -55.39	$\begin{array}{c} 1.14\\ 5.93\\ 0.04\\ 0.83\\ 5.19\\ 3.67\\ 0.87\\ 2.20\\ 54.46\\ 5.79\\ 80.11\\ 218.38\\ 32.60\end{array}$	$\begin{array}{c} 1.21\\ 2.74\\ 1.36\\ 0.52\\ 5.28\\ 3.96\\ 1.73\\ 2.49\\ 16.17\\ 4.63\\ 40.08\\ 198.82\\ 110.45\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	19.79 48.15 26.40 21.74	23.54 -31.85 34.39 -66.24	20.02 52.63 22.90 29.73	22.64 133.09 33.37 99.72
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	5.80 8.77 7.10 8.22	9.07 12.52 10.53 12.55	5.41 8.55 6.99 7.89	5.99 7.50 4.82 6.08
Net value per unit Machinery cost per acre Est. labor hours per acre	9.14 80.90 1.17	8.66 80.24 1.58	9.05 86.43 0.78	9.84 67.33 1.45

Soybeans, Food on Owned Land

	Av <u>g</u> . 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 Other crop income per acre Gross return per acre	340.00 36.87 100.00 11.95 440.60 17.38 20.91 478.89
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Hired labor Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	46.13 3.98 37.57 16.95 15.56 37.60 0.22 8.80 0.88 167.70 311.19
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	$\begin{array}{c} 0.51 \\ 10.27 \\ 5.04 \\ 21.12 \\ 5.88 \\ 6.83 \\ 4.01 \\ 33.16 \\ 22.60 \\ 4.25 \\ 113.66 \\ 281.36 \\ 197.53 \end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	36.10 233.62 28.05 205.57
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	4.55 7.63 5.61 6.37
Net value per unit Machinery cost per acre Est. labor hours per acre	11.95 83.81 0.69

Soybeans, Food on Cash Rent

	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	533.14 34.95 100.00 11.48 401.27 0.40 14.91 26.22 442.80
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	$\begin{array}{r} 39.63\\ 7.62\\ 31.31\\ 12.61\\ 16.11\\ 34.85\\ 0.39\\ 128.33\\ 1.82\\ 9.43\\ 0.77\\ 282.87\\ 159.92 \end{array}$
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	$\begin{array}{c} 16.81\\ 6.27\\ 5.63\\ 7.02\\ 3.96\\ 2.33\\ 25.90\\ 4.34\\ 72.24\\ 355.11\\ 87.68\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	29.74 117.42 27.27 90.15
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	8.09 10.16 8.12 8.90
Net value per unit Machinery cost per acre Est. labor hours per acre	11.49 86.92 0.80

Sugar Beets on Owned Land

	Avg. Of All Farms
Number of farms	9
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	147.68 23.44 100.00 32.25 755.74 14.48 44.52 814.74
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	204.44 79.38 139.29 28.87 52.77 141.48 14.28 23.33 24.18 7.02 715.05 99.68
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	$\begin{array}{r} 4.45\\ 46.80\\ 6.41\\ 25.05\\ 13.30\\ 8.83\\ 3.40\\ 26.96\\ 129.78\\ 9.89\\ 274.86\\ 989.92\\ -175.18\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	3.98 -171.21 117.28 -288.48
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	30.51 42.24 39.55 44.55
Net value per unit Machinery cost per acre Est. labor hours per acre	32.25 349.61 4.60

Sugar Beets on Cash Rent

	Avg. Of <u>All Farms</u>
Number of farms	15
Acres Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	$\begin{array}{c} 274.77\\ 22.00\\ 100.00\\ 32.03\\ 704.66\\ 55.47\\ 25.76\\ 785.89\end{array}$
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Hired labor Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$196.71 \\78.99 \\144.48 \\35.47 \\48.41 \\133.42 \\2.89 \\10.25 \\130.60 \\29.03 \\0.17 \\810.42 \\-24.53$
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	$\begin{array}{c} 10.77\\ 66.57\\ 11.49\\ 0.62\\ 7.89\\ 9.36\\ 4.87\\ 5.14\\ 84.41\\ 12.96\\ 214.08\\ 1,024.51\\ -238.62\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	1.42 -237.19 104.81 -342.00
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	36.83 46.56 42.81 47.57
Net value per unit Machinery cost per acre Est. labor hours per acre	32.03 293.89 4.40

Sunflowers on Owned Land

	Avg. Of All Farms
Number of farms	15
Acres Yield per acre (cwt.) Operators share of yield % Value per cwt. Other product return per acre Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	$\begin{array}{c} 233.14 \\ 19.47 \\ 100.00 \\ 18.50 \\ 2.96 \\ 363.02 \\ 2.78 \\ 21.45 \\ 387.24 \end{array}$
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Storage Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$\begin{array}{c} 35.50 \\ 40.86 \\ 33.43 \\ 12.98 \\ 0.88 \\ 0.19 \\ 10.73 \\ 26.70 \\ 11.78 \\ 3.95 \\ 1.07 \\ 178.08 \\ 209.16 \end{array}$
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	$\begin{array}{c} 2.05\\ 6.87\\ 1.93\\ 8.01\\ 5.46\\ 3.22\\ 1.56\\ 36.32\\ 44.70\\ 3.42\\ 113.54\\ 291.62\\ 95.62\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	26.15 121.77 27.44 94.32
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	9.15 14.98 12.24 13.65
Net value per unit Machinery cost per acre Est. labor hours per acre	18.50 98.44 1.17

Sunflowers on Cash Rent

	Avg. Of _All Farms	Low 20%	<u> </u>	High 20%
Number of farms	29	5	6	6
Acres Yield per acre (cwt.) Operators share of yield % Value per cwt. Other product return per acre Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	467.45 20.95 100.00 19.39 1.05 407.24 2.02 23.47 432.73	174.10 13.05 100.00 17.96 234.38 24.18 258.55	$\begin{array}{r} 462.30\\ 19.06\\ 100.00\\ 18.32\\ 5.15\\ 354.41\\ 5.28\\ 26.25\\ 385.94 \end{array}$	936.23 23.68 100.00 19.94 472.08 2.08 26.16 500.32
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Storage 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	$\begin{array}{c} 34.57\\ 36.90\\ 35.64\\ 13.12\\ 0.77\\ 0.39\\ 11.29\\ 23.48\\ 10.27\\ 0.93\\ 54.43\\ 2.02\\ 4.58\\ 0.68\\ 229.07\\ 203.66\end{array}$	39.39 33.24 41.73 6.92 - - 10.72 22.10 3.46 47.14 2.84 7.88 215.43 43.13	36.95 39.89 31.11 13.32 0.81 9.68 15.08 9.31 48.29 3.78 0.27 208.49 177.45	$\begin{array}{c} 32.71\\ 36.61\\ 38.50\\ 12.98\\ 0.40\\ 0.54\\ 11.75\\ 27.12\\ 7.04\\ 1.03\\ 55.07\\ 4.42\\ 3.68\\ 0.56\\ 232.41\\ 267.91\end{array}$
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	$\begin{array}{c} 3.57\\ 9.06\\ 3.41\\ 0.29\\ 4.60\\ 3.96\\ 1.45\\ 2.63\\ 28.76\\ 6.18\\ 63.92\\ 292.99\\ 139.74\end{array}$	$\begin{array}{c} 0.53 \\ 5.37 \\ 4.81 \\ & - \\ 3.97 \\ 3.77 \\ 0.89 \\ 5.17 \\ 19.07 \\ 2.33 \\ 45.91 \\ 261.34 \\ -2.79 \end{array}$	$\begin{array}{c} 0.82\\ 2.31\\ 9.34\\ 0.94\\ 4.33\\ 2.86\\ 1.19\\ 2.57\\ 27.07\\ 9.50\\ 60.93\\ 269.42\\ 116.52\end{array}$	$5.57 \\ 13.24 \\ 0.21 \\ 0.04 \\ 3.78 \\ 4.08 \\ 0.80 \\ 2.30 \\ 29.95 \\ 6.14 \\ 66.10 \\ 298.51 \\ 201.81 \\ $
Government payments Net return with govt pmts Labor & management charge Net return over Ibr & mgt	18.32 158.05 27.01 131.04	14.54 11.75 22.30 -10.55	18.35 134.87 30.45 104.42	19.50 221.31 23.64 197.66
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	10.94 13.99 11.85 13.13	16.50 20.02 17.06 18.76	10.94 14.13 11.25 12.84	9.82 12.61 10.59 11.59
Net value per unit Machinery cost per acre Est. labor hours per acre	19.39 82.41 1.27	17.96 67.27 1.00	18.32 71.43 0.97	19.94 84.86 1.54

Wheat, Durum on Owned Land

	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 Other crop income per acre Gross return per acre	403.08 56.55 100.00 6.56 370.99 21.68 392.67
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Storage Fuel & oil Repairs Custom hire Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$\begin{array}{c} 25.25\\ 59.50\\ 36.87\\ 14.06\\ 0.35\\ 0.13\\ 11.01\\ 24.08\\ 5.58\\ 0.94\\ 3.58\\ 0.17\\ 181.52\\ 211.14\end{array}$
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	$\begin{array}{c} 1.96\\ 11.01\\ 1.36\\ 7.09\\ 4.84\\ 2.92\\ 2.66\\ 19.46\\ 45.46\\ 4.45\\ 101.21\\ 282.73\\ 109.94\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	25.42 135.36 23.89 111.47
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.21 5.00 4.17 4.59
Net value per unit Machinery cost per acre Est. labor hours per acre	6.56 90.68 1.08

Wheat, Durum on Cash Rent

	Avg. Of All Farms
Number of farms	14
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	518.89 53.08 100.00 6.57 348.94 7.72 18.27 374.94
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	$\begin{array}{c} 22.20\\ 55.66\\ 35.10\\ 13.61\\ 10.75\\ 27.17\\ 8.33\\ 49.88\\ 0.86\\ 4.92\\ 1.04\\ 229.53\\ 145.40\end{array}$
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	$\begin{array}{c} 2.99\\ 9.78\\ 2.28\\ 0.16\\ 4.58\\ 2.85\\ 2.18\\ 6.08\\ 36.99\\ 3.44\\ 71.33\\ 300.87\\ 74.07\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	25.13 99.20 24.41 74.80
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	4.32 5.67 4.70 5.16
Net value per unit Machinery cost per acre Est. labor hours per acre	6.57 92.68 0.97

Wheat, Spring on Owned Land

	Ava. Of All Farms	Low 20%	40 - 60%	
Number of farms	82	16	17	17
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre Hedging gains/losses per acre	344.19 49.66 100.00 5.22 0.51 259.99 0.28	218.27 42.29 100.00 5.10 0.73 216.50	448.84 45.26 100.00 5.13 - 232.21	288.42 66.93 100.00 5.34 1.94 359.28
Crop insurance per acre Other crop income per acre Gross return per acre	11.99 27.50 299.76	18.04 18.78 253.32	0.72 34.37 267.30	2.69 25.16 387.13
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Storage Fuel & oil Repairs Custom hire Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$16.59 \\ 58.91 \\ 31.39 \\ 14.06 \\ 0.36 \\ 0.29 \\ 9.78 \\ 21.99 \\ 3.87 \\ 0.52 \\ 3.48 \\ 1.18 \\ 162.42 \\ 137.33$	22.55 74.11 37.48 19.06 0.57 10.65 32.74 4.42 0.12 5.97 0.71 208.36 44.97	14.15 56.51 34.10 13.59 0.23 0.71 7.96 21.78 4.75 - 2.80 2.02 158.59 108.71	18.49 63.69 33.74 12.37 0.53 10.83 19.43 5.57 2.86 1.18 168.68 218.45
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	$\begin{array}{c} 1.35\\ 8.88\\ 1.51\\ 8.52\\ 5.31\\ 3.58\\ 1.29\\ 21.99\\ 33.19\\ 5.26\\ 90.88\\ 253.31\\ 46.45\end{array}$	$\begin{array}{c} 1.68\\ 5.38\\ 3.50\\ 15.03\\ 8.04\\ 5.41\\ 2.82\\ 46.15\\ 35.82\\ 6.25\\ 130.08\\ 338.44\\ -85.11\end{array}$	$\begin{array}{c} 1.22\\ 10.03\\ 1.08\\ 7.54\\ 5.30\\ 2.47\\ 0.59\\ 13.22\\ 22.34\\ 5.89\\ 69.68\\ 228.27\\ 39.03\end{array}$	$\begin{array}{c} 2.03\\ 5.02\\ 3.14\\ 8.35\\ 3.69\\ 2.89\\ 1.03\\ 13.52\\ 25.90\\ 4.10\\ 69.67\\ 238.35\\ 148.78\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	25.62 72.07 25.18 46.89	30.60 -54.51 25.94 -80.45	30.05 69.08 20.94 48.14	23.67 172.45 26.35 146.10
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.27 5.10 3.77 4.28	4.93 8.00 6.39 7.00	3.50 5.04 3.60 4.07	2.52 3.56 2.76 3.16
Net value per unit Machinery cost per acre Est. labor hours per acre	5.23 71.80 1.15	5.10 90.13 1.08	5.13 58.30 1.06	5.34 66.78 1.09

Wheat, Spring on Cash Rent

	Ava. Of _All Farms	Low 20%	40 - 60%	High 20%
Number of farms	116	23	23	24
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	$715.18 \\ 54.81 \\ 100.00 \\ 5.29 \\ 0.05 \\ 290.21 \\ -0.41 \\ 7.10 \\ 26.23 \\ 323.13$	401.20 43.40 100.00 4.97 0.19 215.88 19.85 23.70 259.43	$706.41 \\ 52.68 \\ 100.00 \\ 5.14 \\ 0.16 \\ 271.10 \\ -1.46 \\ 11.39 \\ 22.18 \\ 303.21$	846.37 61.51 100.00 5.43 334.31 2.69 28.46 365.45
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drving expense Storage 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	$18.23 \\ 60.25 \\ 30.68 \\ 14.19 \\ 0.26 \\ 0.38 \\ 10.12 \\ 22.85 \\ 6.11 \\ 0.12 \\ 58.63 \\ 0.61 \\ 4.33 \\ 1.47 \\ 228.22 \\ 94.91 \\ 1000$	21.79 63.17 33.84 13.59 0.50 0.14 10.78 29.20 4.19 75.55 0.39 5.41 0.40 258.96 0.47	$\begin{array}{c} 17.56\\ 58.66\\ 32.00\\ 14.39\\ 0.07\\ 1.11\\ 8.54\\ 22.00\\ 8.67\\ 0.61\\ 54.05\\ 0.14\\ 5.29\\ 1.56\\ 224.66\\ 78.55\end{array}$	$17.51 \\ 59.81 \\ 28.75 \\ 10.85 \\ 0.35 \\ 0.11 \\ 9.97 \\ 19.30 \\ 4.50 \\ 54.45 \\ 0.53 \\ 2.96 \\ 2.04 \\ 211.11 \\ 154.34$
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	$\begin{array}{c} 1.36\\ 9.57\\ 3.77\\ 0.50\\ 4.60\\ 3.62\\ 2.09\\ 2.98\\ 30.09\\ 3.82\\ 62.41\\ 290.63\\ 32.50\end{array}$	$\begin{array}{r} 4.26\\ 12.69\\ 2.79\\ 0.16\\ 5.60\\ 4.40\\ 2.70\\ 2.37\\ 26.99\\ 5.13\\ 67.09\\ 326.05\\ -66.62\end{array}$	$\begin{array}{c} 0.15\\ 9.39\\ 5.05\\ 0.19\\ 4.03\\ 3.95\\ 1.39\\ 3.21\\ 25.50\\ 2.62\\ 55.48\\ 280.14\\ 23.07\end{array}$	$\begin{array}{c} 0.99\\ 8.42\\ 3.70\\ 0.92\\ 3.77\\ 2.69\\ 0.84\\ 2.12\\ 33.05\\ 4.06\\ 60.56\\ 271.67\\ 93.78\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	24.86 57.36 24.09 33.27	23.36 -43.26 22.01 -65.28	28.40 51.47 24.51 26.96	25.29 119.07 25.26 93.81
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	4.16 5.30 4.25 4.69	5.97 7.51 5.97 6.47	4.26 5.32 4.17 4.63	3.43 4.42 3.50 3.91
Net value per unit Machinerv cost per acre Est. labor hours per acre	5.29 75.43 1.06	4.97 79.29 0.92	5.12 71.90 1.09	5.43 71.27 1.03

Wheat, Spring on Share Rent

	Avg. Of All Farms	Low 20%	<u> 40 - 60%</u>	 High 20%
Number of farms	26	5	5	6
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Crop insurance per acre Other crop income per acre Gross return per acre	223.46 52.54 70.64 5.18 192.34 0.74 23.08 216.17	112.78 44.71 59.73 5.19 138.70 - 13.94 152.64	321.74 60.78 72.99 5.23 231.81 0.33 18.69 250.83	221.66 54.66 70.98 5.19 201.48 2.84 24.10 228.42
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Storage Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	$\begin{array}{c} 14.37\\ 58.78\\ 28.84\\ 9.71\\ 0.51\\ 9.44\\ 17.80\\ 5.74\\ 2.40\\ 1.64\\ 149.24\\ 66.93\end{array}$	17.17 56.66 21.05 12.83 11.48 25.25 6.82 4.63 - 155.88 -3.24	13.01 68.50 38.95 10.77 10.49 17.85 0.87 1.19 1.72 163.34 87.49	13.92 50.15 20.74 6.75 2.24 7.73 12.00 7.19 2.12 1.78 124.62 103.79
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	$\begin{array}{c} 0.30 \\ 5.39 \\ 2.15 \\ 0.82 \\ 3.82 \\ 2.31 \\ 0.92 \\ 2.44 \\ 31.02 \\ 3.46 \\ 52.63 \\ 201.87 \\ 14.29 \end{array}$	2.93 0.24 7.12 2.87 2.79 1.87 42.10 4.28 64.21 220.09 -67.45	$\begin{array}{c} 0.21 \\ 1.72 \\ 2.97 \\ 0.90 \\ 4.68 \\ 3.70 \\ 0.87 \\ 2.09 \\ 58.88 \\ 5.42 \\ 81.43 \\ 244.77 \\ 6.06 \end{array}$	$\begin{array}{c} 0.56\\ 5.69\\ 4.43\\ 1.59\\ 2.96\\ 1.85\\ 0.51\\ 3.92\\ 16.19\\ 2.33\\ 40.03\\ 164.65\\ 63.77\end{array}$
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	20.66 34.95 22.15 12.81	18.42 -49.03 29.34 -78.37	20.88 26.94 22.84 4.10	13.56 77.32 23.01 54.32
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	4.02 5.44 4.24 4.84	5.84 8.24 7.03 8.13	3.68 5.52 4.62 5.13	3.21 4.24 3.20 3.79
Net value per unit Machinery cost per acre Est. labor hours per acre	5.18 66.72 0.99	5.19 84.33 1.25	5.23 89.77 0.73	5.19 50.53 1.10

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. All Far	
Number of farms		17
Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) Government payments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 24.61 73.43 3.97 -0.32 -2.12 0.26	Value 35.56 114.55 21.30 20.49 2.33 -16.59 -36.40 -9.85 131.41
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Bedding Miscellaneous Total direct expenses Return over direct expense	1,522.17 2,565.89 579.56 155.84 810.26 1.31 186.46	$\begin{array}{c} 3.32 \\ 1.75 \\ 9.84 \\ 6.20 \\ 24.58 \\ 23.21 \\ 7.17 \\ 7.40 \\ 2.57 \\ 3.46 \\ 9.06 \\ 2.86 \\ 1.43 \\ 1.68 \\ 104.54 \\ 26.87 \end{array}$
Overhead Expenses Hired labor Dues & professional fees Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		3.68 1.29 8.42 7.67 21.06 125.60 5.81
Labor & management charge Net return over lbr & mgt		11.59 -5.79
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		104.53 125.59 144.90 156.49
Est. labor hours per unit		0.87
Other Information Number of cows Pregnancy percentage Pregnancy loss percentage Culling percentage Calving percentage Weaning percentage Calves sold per cow Calf death loss percent Cow death loss percent Cows per FTE Average weaning weight Lb. weaned/exposed female Feed cost per cow Avg wgt/ Beef Calves sold Avg price / cwt.		$\begin{array}{c} 220.9\\ 96.5\\ 1.8\\ 13.2\\ 94.8\\ 87.4\\ 0.95\\ 7.9\\ 2.5\\ 597.6\\ 564\\ 493\\ 412.03\\ 585\\ 144.49\end{array}$

Beef Cow-Calf -- Average Per Cow

	Avg. C All Farn	
Number of farms		17
Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) Government payments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 133.3 397.7 21.5 -1.8 -11.5 1.4	Value 192.61 620.49 115.38 111.00 12.64 -89.85 -197.15 -53.34 711.79
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Bedding Miscellaneous Total direct expenses Return over direct expense	8,245.2 13,898.8 3,139.3 844.1 4,389.0 7.1 1,010.0	17.96 9.50 53.31 33.58 133.12 125.73 38.82 40.10 13.94 18.73 49.09 15.51 7.73 9.12 566.24 145.55
Overhead Expenses Hired labor Dues & professional fees Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		19.94 6.98 45.62 41.56 114.10 680.35 31.45
Labor & management charge Net return over lbr & mgt		62.80 -31.35
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		104.53 125.59 144.90 156.49
Est. labor hours per unit		4.69
Other Information Number of cows Pregnancy percentage Pregnancy loss percentage Culling percentage Calving percentage Weaning percentage Calves sold per cow Calf death loss percent Cow death loss percent Cows per FTE Average weaning weight Lb. weaned/exposed female Feed cost per cow Avg wgt/ Beef Calves sold Avg price / cwt.		$\begin{array}{c} 220.9\\ 96.5\\ 1.8\\ 13.2\\ 94.8\\ 87.4\\ 0.95\\ 7.9\\ 2.5\\ 597.6\\ 597.6\\ 564\\ 493\\ 412.03\\ 585\\ 144.49\end{array}$

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

_	Avg. C All Farm		Low 20	%	40 - 60	%	High 2	0%
Number of farms		30		6		6		6
Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) Insurance income	Quantity 58.11 24.43 0.16	Value 84.20 29.06 27.29 0.71	Quantity 40.13 41.64	Value 51.99 36.80 17.17	Quantity 65.12 28.44 0.85	Value 90.44 42.79 22.83	Quantity 82.04 20.85 -	Value 131.30 19.06 30.59
Government payments Other income Purchased (Ib) Transferred in (Ib) Inventory change (Ib) Gross margin	-1.54 -1.08 19.78	23.90 2.65 -23.17 -11.44 49.50 182.70	-6.78 - 25.01	21.36 0.18 -29.45 -6.11 16.77 108.71	-5.78 11.36	28.51 0.54 -10.80 -12.54 6.01 167.77	-3.27	24.85 0.43 -21.67 -8.49 81.34 257.41
Direct Expenses Protein Vit Minerals (lb.) Corn (bu.) Corn Silage (lb.) Hay, Grass (lb.) Pasture (aum) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Hired labor Marketing Operating interest Miscellaneous Total direct expenses Return over direct expense	45.44 0.58 1,266.47 1,145.92 1.39 341.07	5.65 1.89 18.65 30.82 28.68 8.17 7.26 3.78 4.33 8.78 2.41 3.25 4.06 2.31 133.34 49.36	60.37 0.85 1,064.13 1,271.89 1.15 53.18	7.91 2.37 15.96 29.27 24.49 3.99 7.47 1.87 3.82 8.70 0.84 1.11 - 1.76 1.62 111.18 -2.47	2.80 0.31 356.44 1,568.24 1.36 138.73	$\begin{array}{c} 1.43\\ 1.33\\ 5.35\\ 44.76\\ 24.68\\ 2.15\\ 4.73\\ 2.22\\ 5.71\\ 10.71\\ 4.27\\ 0.75\\ 2.38\\ 12.40\\ 1.10\\ 123.97\\ 43.80\end{array}$	4.58 1.11 1,773.32 762.32 0.95 885.00	$\begin{array}{c} 0.46\\ 3.96\\ 26.60\\ 23.47\\ 21.70\\ 16.61\\ 9.62\\ 10.02\\ 3.96\\ 6.74\\ 0.53\\ 7.74\\ 7.17\\ 2.24\\ 4.40\\ 145.22\\ 112.19\end{array}$
Overhead Expenses Farm insurance Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		2.62 3.89 8.61 5.94 21.06 154.39 28.30		1.36 6.88 6.70 3.95 18.88 130.06 -21.36		3.29 3.96 10.40 10.00 27.65 151.62 16.15		2.85 2.79 10.44 5.19 21.27 166.49 90.92
Labor & management charge Net return over lbr & mgt		15.65 12.65		9.19 -30.55		18.82 -2.67		16.55 74.38
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	d	133.34 154.39 115.90 131.55		111.18 130.06 124.98 134.17		123.97 151.62 133.58 152.41		145.22 166.49 67.84 84.38
Est. labor hours per unit		1.12		0.96		1.19		1.20
Other Information Number of cows Pregnancy percentage Pregnancy loss percentage Culling percentage Calving percentage Calves sold per cow Calf death loss percent Cow death loss percent Cows per FTE Average weaning weight Lb. weaned/exposed female Feed cost per cow Avg wgt/ Beef Calves sold Avg price / cwt.		$\begin{array}{c} 135.5\\ 95.8\\ 2.3\\ 14.7\\ 93.6\\ 89.0\\ 0.62\\ 5.0\\ 1.8\\ 464.7\\ 548\\ 468\\ 505.98\\ 736\\ 144.90\end{array}$		$\begin{array}{c} 115.7\\ 96.9\\ 8.1\\ 13.4\\ 89.1\\ 83.9\\ 0.71\\ 6.7\\ 4.0\\ 442.0\\ 532\\ 446\\ 554.53\\ 654\\ 129.55\end{array}$		$\begin{array}{c} 132.3\\ 97.2\\ 1.8\\ 13.7\\ 95.5\\ 89.6\\ 0.77\\ 3.2\\ 2.0\\ 455.6\\ 574\\ 514\\ 411.16\\ 649\\ 138.87\end{array}$		$\begin{array}{c} 169.0\\ 96.9\\ 0.2\\ 11.6\\ 96.7\\ 91.1\\ 0.58\\ 6.5\\ 0.9\\ 439.5\\ 549\\ 500\\ 493.78\\ 954\\ 160.04 \end{array}$

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

_	Avg. (All Fari		Low 20	0%	40 - 60	%	High 2	20%
Number of farms		30		6		6		6
Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) Insurance income	Quantity 313.2 131.7 0.9	Value 453.91 156.69 147.11 3.84	Quantity 265.0 274.9 -	Value 343.27 242.96 113.36	Quantity 336.0 146.7 4.4	Value 466.54 220.76 117.75	Quantity 436.6 110.9 -	Value 698.65 101.43 162.76
Government payments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	-8.3 -5.8 106.6	128.84 14.27 -124.88 -61.70 266.85 984.92	-44.8 - 165.1	141.02 1.22 -194.46 -40.35 110.74 717.76	-29.8 58.6	147.06 2.77 -55.73 -64.70 31.02 865.49	- - -17.4	132.24 2.28 -115.29 -45.17 432.79 1,369.71
Direct Expenses Protein Vit Minerals (lb.) Corn (bu.) Corn Silage (lb.) Hay, Grass (lb.) Pasture (aum) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Hired labor Marketing Operating interest Miscellaneous Total direct expenses Return over direct expense	245.0 3.1 6,827.6 6,177.7 7.5 1,838.7	$\begin{array}{c} 30.44 \\ 10.20 \\ 100.53 \\ 166.15 \\ 154.62 \\ 44.04 \\ 39.12 \\ 20.35 \\ 23.35 \\ 47.31 \\ 12.99 \\ 17.82 \\ 17.55 \\ 21.89 \\ 12.46 \\ 718.82 \\ 266.09 \end{array}$	398.6 5.6 7,026.1 8,397.9 7.6 351.2	52.24 15.62 105.39 193.26 161.68 26.34 49.34 12.35 25.23 57.44 5.54 7.36 - 11.61 10.69 734.08 -16.32	14.4 1.6 1,838.8 8,090.3 7.0 715.7	$\begin{array}{c} 7.40\\ 6.84\\ 27.58\\ 230.89\\ 127.34\\ 11.11\\ 24.39\\ 11.48\\ 29.46\\ 55.25\\ 22.02\\ 3.87\\ 12.27\\ 63.97\\ 5.68\\ 639.55\\ 225.94\end{array}$	24.4 5.9 9,435.9 4,056.4 5.0 4,709.1	2.44 21.06 141.54 124.89 115.48 88.38 51.20 53.30 21.08 35.89 2.83 41.16 38.15 11.92 23.42 772.72 596.99
Overhead Expenses Farm insurance Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		14.11 21.00 46.40 32.00 113.51 832.33 152.58		8.99 45.42 44.23 26.05 124.69 858.77 -141.01		16.98 20.41 53.63 51.60 142.62 782.16 83.32		15.18 14.82 55.54 27.64 113.19 885.91 483.80
Labor & management charge Net return over lbr & mgt		84.37 68.21		60.68 -201.69		97.11 -13.79		88.04 395.76
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	d	133.34 154.39 115.90 131.55		111.18 130.06 124.98 134.17		123.97 151.62 133.58 152.41		145.22 166.49 67.84 84.38
Est. labor hours per unit		6.03		6.34		6.15		6.37
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 Cow death loss percent Cows per FTE Average weaning weight Lb. weaned/exposed female Feed cost per cow Avg wgt/ Beef Calves sold Avg price / cwt.		$\begin{array}{c} 135.5\\ 95.8\\ 2.3\\ 14.7\\ 93.6\\ 89.0\\ 0.62\\ 5.0\\ 1.8\\ 464.7\\ 548\\ 488\\ 505.98\\ 736\\ 144.90\end{array}$		$\begin{array}{c} 115.7\\ 96.9\\ 8.1\\ 13.4\\ 89.1\\ 83.9\\ 0.71\\ 6.7\\ 4.0\\ 442.0\\ 532\\ 446\\ 554.53\\ 654\\ 129.55\end{array}$		$\begin{array}{c} 132.3\\ 97.2\\ 1.8\\ 13.7\\ 95.5\\ 89.6\\ 0.77\\ 3.2\\ 2.0\\ 455.6\\ 574\\ 514\\ 411.16\\ 649\\ 138.87\end{array}$		$\begin{array}{c} 169.0\\ 96.9\\ 0.2\\ 11.6\\ 96.7\\ 91.1\\ 0.58\\ 6.5\\ 0.9\\ 439.5\\ 549\\ 500\\ 493.78\\ 954\\ 160.04 \end{array}$

Beef Replacement Heifers -- Average Per Head

	Avg. AII Fa	
Number of farms		9
Beef Replace sold (hd) Transferred out (hd) Cull sales (hd) Government payments Transferred in (hd) Inventory change (hd) Gross margin	Quantity 0.24 0.91 0.01 0.81 -0.37	Value 287.63 1,453.60 13.14 95.09 -791.20 -303.03 755.23
Direct Expenses Complete Ration (lb.) Barley (bu.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Stover (lb.) DDGS, dry (lb.) Other feed stuffs (lb) Breeding fees Veterinary Fuel & oil Repairs Custom hire Bedding Miscellaneous Total direct expenses Return over direct expense	$\begin{array}{c} 15,708.33\\ 2.33\\ 4.06\\ 2,677.89\\ 610.28\\ 2,491.96\\ 5.19\\ 36.20\\ 49.22\\ 2,624.53\end{array}$	$\begin{array}{c} 82.12\\ 7.00\\ 12.31\\ 50.95\\ 22.10\\ 90.09\\ 85.57\\ 1.00\\ 5.86\\ 7.02\\ 6.74\\ 13.42\\ 6.77\\ 12.31\\ 4.21\\ 7.52\\ 5.27\\ 420.24\\ 334.99\end{array}$
Overhead Expenses Custom hire Hired labor Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		0.46 13.55 24.93 18.78 57.72 477.96 277.27
Labor & management charge Net return over lbr & mgt		27.53 249.74
Cost of Production Per Head Sold/Trans Total direct expense per unit Total dir& ovhd expense per unit With other revenue adjustments With labor and management		1,302.38 1,352.45 1,269.96 1,293.84
Est. labor hours per unit		2.06
Other Information No. purchased or trans in Number sold or trans out Average number of head Percentage death loss Feed cost per average head Hired labor per average head Feed cost/head sold/trans Total cost/head sold/trans Feed cost per head per day Avg. wgt / Beef Replace sold Avg. sales price / head		43 62 54 364.00 13.55 315.77 1,293.84 1.00 560 1,206.35

Avg. Of All Farms Number of farms 9 Quantity Value Beef Replace sold (hd) 249.51 0.2 Transferred out (hd) 0.8 1,260.97 Cull sales (hd) 11.40 0.0 Government payments 82.49 0.7 Transferred in (hd) -686.35 Inventory change (hd) -0.3 -262.87 Gross margin 655.15 **Direct Expenses** 71.24 Complete Ration (lb.) 13,626.7 Barley (bu.) 2.0 6.07 Corn (bu.) Corn Silage (lb.) 3.5 10.68 2,323.0 44.20 Hay, Alfalfa (lb.) 529.4 19.17 Hay, Grass (lb.) 2,161.7 78.15 Pasture (aum) 74.23 4.5 Stover (lb.) DDGS, dry (lb.) 31.4 0.86 42.7 5.09 Other feed stuffs (lb) 2,276.7 6.09 Breeding fees 5.85 Veterinary 11.65 Fuel & oil 5.87 10.68 Repairs Custom hire 3.65 Bedding 6.52 Miscellaneous 4.57 364.55 Total direct expenses Return over direct expense 290.60 **Overhead Expenses** Custom hire 0.40 Hired labor 11.76 Mach & bldg depreciation 21.62 Miscellaneous 16.30 Total overhead expenses 50.07 Total dir & ovhd expenses 414.62 240.53 Net return Labor & management charge 23.89 Net return over lbr & mgt 216.64 **Cost of Production Per Head Sold/Trans** Total direct expense per unit 1,302.38 1,352.45 Total dir& ovhd expense per unit 1,269.96 With other revenue adjustments With labor and management 1,293.84 1.79 Est. labor hours per unit Other Information No. purchased or trans in 43 Number sold or trans out 62 Average number of head 54 Percentage death loss 0.8 Feed cost per average head 364.00 Hired labor per average head 13.55 Feed cost/head sold/trans 315.77 Total cost/head sold/trans 1,293.84 Feed cost per head per day 1.00 Avg. wgt / Beef Replace sold 560 Avg. sales price / head 1,206.35

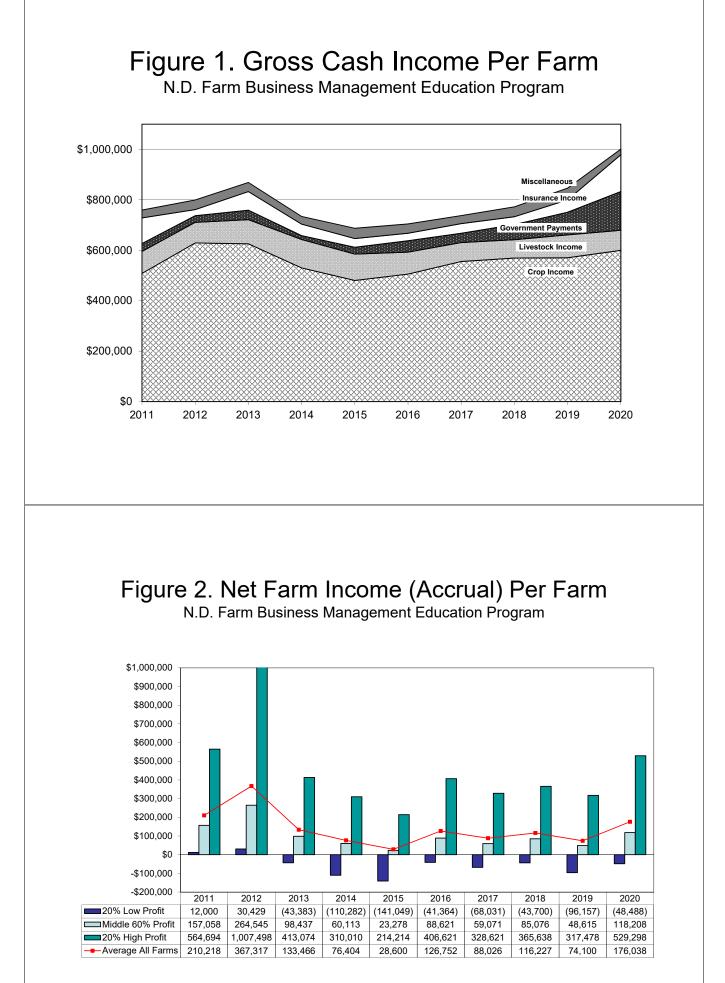
Beef Replacement Heifers -- Average Per Head Sold/Trans

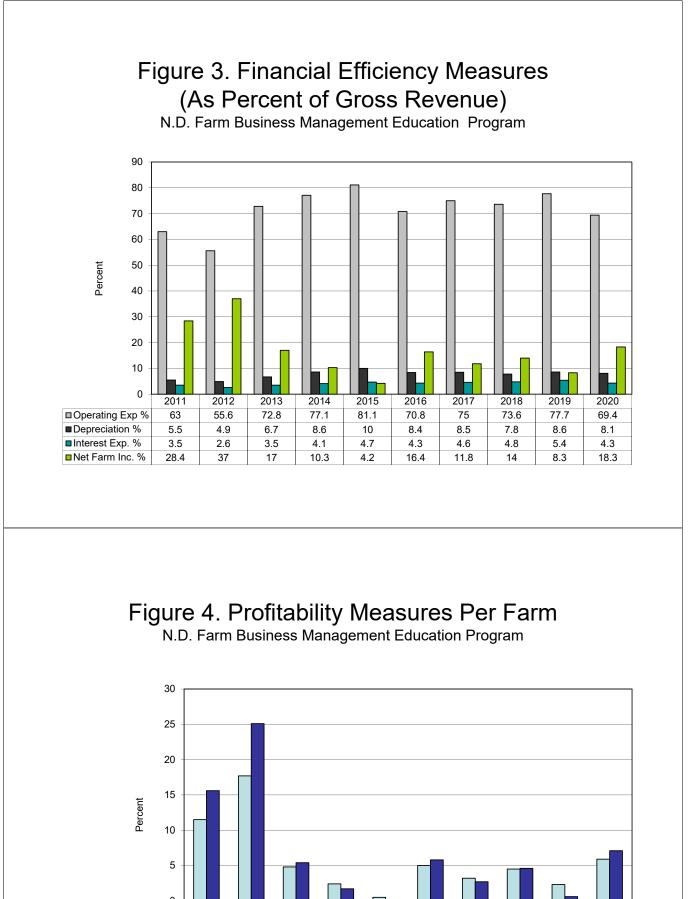
Beef Backgrounding -- Average Per Cwt. Produced

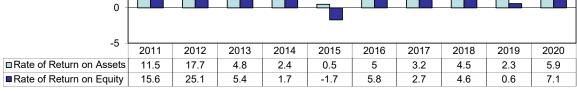
	Avg. Of All Farms	5
Number of farms	10	0
Backgnd Beef sold (lb) Transferred out (lb) Government payments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 414.19 36.18 -46.32 -293.04 -11.78	Value 558.25 53.12 38.82 -63.86 -441.55 -23.21 123.77
Direct Expenses Complete Ration (lb.) Barley (bu.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) DDGS, dry (lb.) DDGS, wet (lb.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses Return over direct expense	2,618.10 0.47 2.73 525.91 171.11 264.55 46.44 32.73 288.56	21.71 1.42 8.37 7.39 6.22 7.95 3.47 2.28 8.68 3.82 1.19 2.98 7.44 2.76 1.16 4.44 91.28 32.49
Overhead Expenses Utilities Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		1.27 7.22 4.59 13.08 104.35 19.41
Labor & management charge Net return over lbr & mgt		9.99 9.42
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		137.47 140.37 131.44 133.66
Est. labor hours per unit		0.81
Other Information No. purchased or trans in Number sold or trans out Percentage death loss Avg. daily gain (lb.) Lb. of conc / lb. of gain Lb. of feed / lb. of gain Feed cost per cwt. of gain Feed cost per head Hired labor per head Average purchase weight Avg wgt / Backgnd Beef sold Avg purch price / cwt. Avg sales price / cwt.		195 198 0.4 1.50 30.40 37.93 67.49 69.74 2.37 608 748 137.85 134.78

Beef Backgrounding -- Average Per Head

	Avg. Of All Farms		
Number of farms		10	
Backgnd Beef sold (lb) Transferred out (lb) Government payments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	Quantity 428.0 37.4 -47.9 -302.8 -12.2	Value 576.87 54.89 40.11 2.28 -65.99 -456.28 -23.98 127.89	
Direct Expenses Creep / Starter (Ib.) Complete Ration (Ib.) Barley (bu.) Corn (bu.) Corn Silage (Ib.) Hay, Alfalfa (Ib.) Hay, Grass (Ib.) Screenings, Heavy (Ib.) DDGS, dry (Ib.) DDGS, wet (Ib.) Other feed stuffs (Ib) Veterinary Supplies Fuel & oil Repairs Custom hire Miscellaneous Total direct expenses Return over direct expense	2.0 2,705.4 0.5 2.8 543.4 176.8 273.4 20.1 48.0 33.8 276.1	$\begin{array}{c} 1.94\\ 22.44\\ 1.46\\ 8.65\\ 7.64\\ 6.43\\ 8.21\\ 0.70\\ 3.58\\ 2.35\\ 6.34\\ 3.95\\ 1.23\\ 3.08\\ 7.69\\ 2.85\\ 5.78\\ 94.32\\ 33.57\end{array}$	
Overhead Expenses Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		7.46 6.06 13.51 107.83 20.06	
Labor & management charge Net return over lbr & mgt		10.32 9.74	
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		137.47 140.37 131.44 133.66	
Est. labor hours per unit		0.84	
Other Information No. purchased or trans in Number sold or trans out Percentage death loss Avg. daily gain (lb.) Lb. of conc / lb. of gain Lb. of feed / lb. of gain Feed cost per cwt. of gain Feed cost per head Hired labor per head Average purchase weight Avg wgt / Backgnd Beef sold Avg purch price / cwt. Avg sales price / cwt.		195 198 0.4 1.50 30.40 37.93 67.49 69.74 2.37 608 748 137.85 134.78	







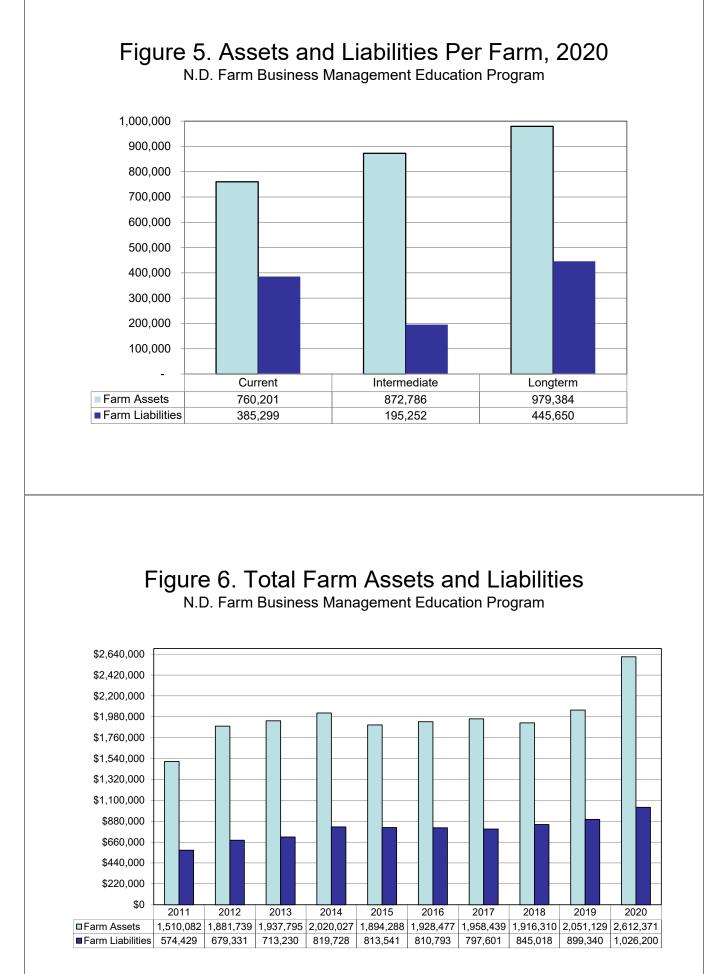


Figure 7. Household and Personal Expenses

N.D. Farm Business Management Education Program

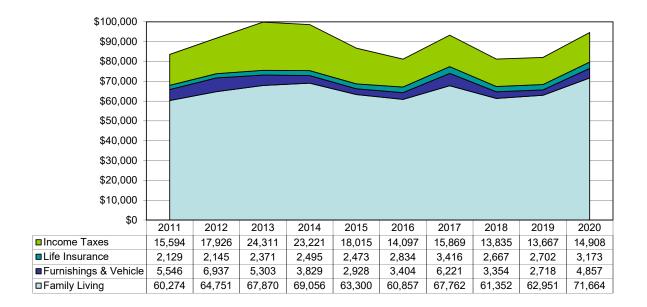


Figure 8. Crop Acreage Per Farm

N.D. Farm Business Management Education Program

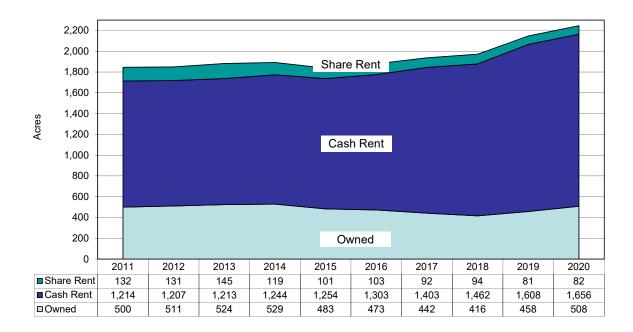
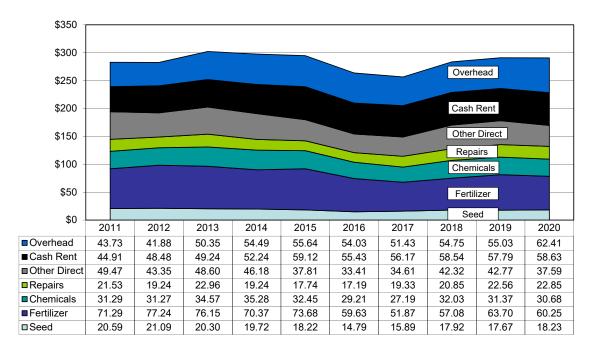


Figure 9. Spring Wheat Costs Per Acre



N.D. Farm Business Management Education Program

Figure 10. Average Net Return Per Beef Cow

\$700 \$600 \$500 \$400 \$300 \$200 \$100 \$0 -\$100 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 Avg. Net Return 103.86 98.11 12.11 -12.85 113.29 167.31 171.70 241.87 659.23 287.66 60.06 184.58 118.07 49.68 31.45

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