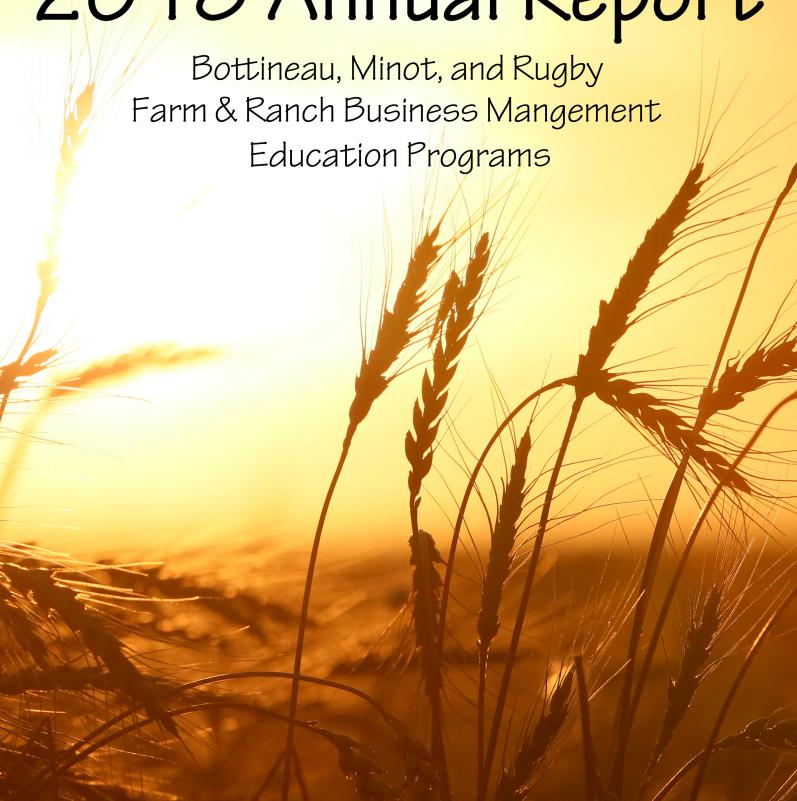




2018 Annual Report



Thank You

The Dakota College at Bottineau Farm and Ranch Business
Management Programs located at Bottineau, Minot and Rugby would
like to recognize and thank the businesses and organizations listed on
this and the following pages for their contributions toward the
production and distribution of the 2018 Averages Book.



Todd Hunskor Agency, Inc.















Peoples State Bank
of Westhope







FARMERS UNION OIL
WESTHOPE, SOURIS, BOTTINEAU
25 RAILWAY AVENUE EAST
WESTHOPE, ND 58793



Production Agriculture with Precision
Trent Albertson
1171 Highway 43
Bottineau, ND
(701) 263-4509





Northern Plains Equipment Co. Minot

Your local CaseIH and New Holland Dealer





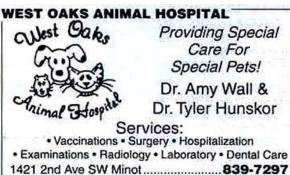














ARTZ INSURANCE

WESTHOPE

Rolette State Bank

Merchants Bank of Rugby





Annual Averages Report for 2018

Bottineau, Minot, and Rugby Farm and Ranch Business Management Education Programs

ACKNOWLEDGEMENTS

The farm and ranch business analyses for this report were submitted by the following instructors:

SCHOOLS:	INSTRUCTORS:	OFFICE PHONE:
Dakota College at Bottineau (Bottineau Office)	Rodney Armstrong	(701)-228-5481
Dakota College at Bottineau (Minot Office)	Lynsey Aberle	(701) 857-7660
Dakota College at Bottineau (Rugby Office)	Sheila Braaten	(701) 776-5095

We acknowledge the contributions made by the farm families who cooperated with their Farm and Ranch Business Management Education Program instructors in getting the records for 2018 closed out on a timely schedule. Acknowledgment is due to the above instructors for submitting their respective Finan farm business analyses to the North Dakota State University Extension Economist at North Dakota State University who then used the data to run these average reports. The North Dakota State University Finpack Center ran the averages based upon the data from 62 Finan business analyses submitted by the instructors prior to the March cut off date.

A special acknowledgement is due to Andy Swenson who serves as the liaison coordinator between the instructors and the NDSU Extension Service. Andy manages the data base software program which is used to summarize the individual analyses into specific comparative tables. Swenson is the Farm and Family Resource Management Specialist with the NDSU Extension Service at North Dakota State University in Fargo, North Dakota.

In cooperation with the

North Dakota State Board for

Career and Technical Education



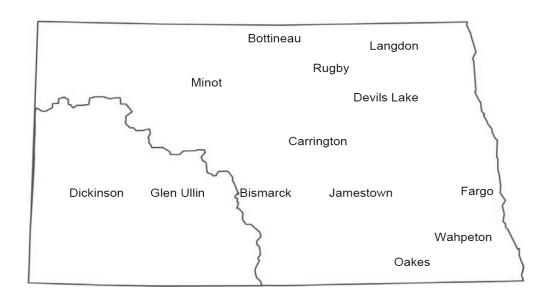
Annual Averages Report for 2018

Bottineau, Minot and Rugby Farm and Ranch Business Management Education Programs

Table of Contents

Financial Sponsors	i
Acknowledgments	iv
Table of Contents	v
Whole Farm/Ranch Financial and Operator Information	1
Crop Enterprises	19
Livestock Enterprises	43
Graphs	52

Locations of North Dakota Farm and Ranch Business Management Education Programs



Whole Farm Financial Information

Farm Income Statement

North Dakota Farm Business Managment Education Program Bottineau - Minot - Rugby, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
				<u></u>
Number of farms	62	12	13	13
Cash Farm Income				
Barley	25,989	19,815	21,598	49,656
Beans, Garbonzo	1,620	-	-	-
Beans, Navy	449	2,321	-	-
Beans, Pinto	8,175	-	-	20,657
Canola	45,833	40,192	43,672	68,612
Corn	30,045	31,964	17,501	62,319
Hay, Alfalfa	74	64	115	-
Oats	2,746	-	3,524	4,251
Peas Seed	3,211	-	-	15,312
Peas, Field	6,564	6,725	6,597	18,485
Soybeans	166,885	111,676	140,229	365,833
Soybeans Seed	814	-	-	3,882
Sunflowers	9,980	14,771	2,633	26,892
Wheat, Durum	7,364	11,863	-	21,743
Wheat, Spring	165,773	146,322	113,285	302,008
Wheat, Winter	1,701	-	429	3,065
Barley, Seed	148	-	-	708
Hay	552	-	-	2,631
User Added Crop	1,290	-	-	6,154
Miscellaneous crop income	6,512	140	898	27,402
Beef Cow-Calf, Beef Calves	22,926	23,694	14,851	3,064
Beef Replacement Heifers	4,256	6,459	4,745	-
Beef Backgrounding	18,621	16,751	26,864	2,624
Cull breeding livestock	7,284	5,257	7,029	1,334
Misc. livestock income	578	-	511	105
Crop government payments	39,335	31,169	23,578	83,079
CRP payments	1,308	1,742	, =	2,486
Other government payments	46,785	41,384	30,781	65,856
Custom work income	8,714	5,039	6,550	26,732
Patronage dividends, cash	4,604	4,160	2,323	7,064
Crop insurance income	35,453	35,394	17,413	65,155
Property insurance income	1,165	2,098	, <u>-</u>	1,676
Sale of resale items	639	, -	-	3,047
Livestock insurance inc	44	-	211	-
Other farm income	8,568	5,033	1,325	15,005
Gross Cash Farm Income	686,006	564,035	486,662	1,276,836

Farm Income Statement (continued) North Dakota Farm Business Managment Education Program Bottineau - Minot - Rugby, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of			
	All Farms	Low 20%	<u>40 - 60%</u>	<u>High 20%</u>
Number of farms	62	12	13	13
Cash Farm Expense Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Storage Irrigation energy Crop miscellaneous Consultants Feeder livestock purchase Purchased feed Veterinary Supplies Livestock insurance	85,964 85,240 71,447 31,546 640 234 108 3,112 3,409 521 5,973 2,578 1,153	68,662 76,801 76,910 31,472 1,884 970 83 10,198 991 668 6,417 2,195 1,165 125	68,470 58,059 47,703 23,018 255 129 1,130 3,873 1,674 3,886 2,993 1,695	164,315 159,211 133,379 61,716 378 92 110 2,716 8,644 23 1,309 165 327
Livestock leases Interest Fuel & oil Repairs Custom hire Hired labor Land rent Machinery leases Building leases Real estate taxes Farm insurance Utilities Marketing Dues & professional fees Purchase of resale items Miscellaneous Total cash expense Net cash farm income	162 32,724 31,125 55,408 14,254 18,013 81,579 9,150 1,377 4,774 10,254 7,026 513 2,756 351 6,366 567,783 118,223	123 67 42,308 24,605 65,904 10,162 13,128 68,090 4,910 649 3,919 11,026 8,651 719 4,523 8,665 545,865 18,170	46 35,802 22,070 31,923 10,722 15,355 61,235 7,516 577 3,154 6,120 4,150 649 2,191 2,591 416,987 69,675	634 34,616 57,036 86,259 19,625 33,363 168,172 24,468 4,928 6,410 17,716 12,892 185 2,759 1,521 13,813 1,016,783 260,053
Inventory Changes Prepaids and supplies Accounts receivable Hedging accounts Other current assets Crops and feed Market livestock Breeding livestock Other assets Accounts payable Accrued interest Total inventory change Net operating profit	428 26,151 9,011 -316 43,783 -1,125 -1,572 6,501 206 -1,112 81,956 200,179	-2,199 9,342 - - -20,030 -658 -6,332 3,959 8,308 -620 -8,231 9,939	3,444 5,383 692 -204 18,286 13,683 -5,540 3,330 -6,838 1,871 34,108 103,783	6,212 113,191 34,686 -2,049 136,816 720 -495 22,710 -3,350 -6,464 301,978 562,031
Depreciation Machinery and equipment Titled vehicles Buildings and improvements Total depreciation	-43,484 -7,201 -4,869 -55,554	-37,919 -9,218 -1,908 -49,046	-22,993 -4,258 -1,453 -28,704	-91,634 -11,720 -10,180 -113,533
Net farm income from operations Gain or loss on capital sales	144,626 724	-39,107 -5,140	75,080 1,164	448,498 7,397
Net farm income	145,350	-44,247	76,243	455,895

Inventory Changes North Dakota Farm Business Managment Education Program Bottineau - Minot - Rugby, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	62	12	13	13
Net cash farm income	118,223	18,170	69,675	260,053
Crops and Feed Ending inventory Beginning inventory Inventory change	451,222	378,813	266,994	1,045,014
	407,439	398,843	248,708	908,197
	43,783	-20,030	18,286	136,816
Market Livestock Ending inventory Beginning inventory Inventory change	35,035	30,583	41,809	4,133
	36,160	31,242	28,126	3,413
	-1,125	-658	13,683	720
Accts Receivable Ending inventory Beginning inventory Inventory change	39,340	13,881	15,447	137,508
	13,189	4,540	10,064	24,317
	26,151	9,342	5,383	113,191
Prepaid Expenses and Supplies Ending inventory Beginning inventory Inventory change	48,993 48,564 428	7,828 10,028 -2,199	28,677 25,232 3,444	154,407 148,195 6,212
Hedging Activities Ending inventory Withdrawals Beginning inventory Deposits Gain or loss	9,247	-	1,077	37,009
	7,689	-	-	24,375
	4,575	-	-	15,310
	3,350	-	385	11,388
	9,011	-	692	34,686
Other Current Assets Ending inventory Beginning inventory Inventory change	769	-	127	2,167
	1,085	-	331	4,216
	-316	-	-204	-2,049
Breeding Livestock Ending inventory Capital sales Beginning inventory Capital purchases Depreciation, capital adjust	100,097	101,149	116,087	11,631
	434	-	-	-
	94,070	99,596	100,639	11,372
	8,032	7,885	20,988	754
	-1,572	-6,332	-5,540	-495
Other Capital Assets Ending inventory Capital sales Beginning inventory Capital purchases Depreciation, capital adjust	38,673	51,141	27,328	67,270
	1,110	101	809	1,769
	33,234	47,283	24,575	46,329
	48	-	231	-
	6,501	3,959	3,330	22,710
Accounts Payable Beginning inventory Ending inventory Inventory change	13,936	20,394	6,799	24,229
	13,730	12,087	13,637	27,578
	206	8,308	-6,838	-3,350
Accrued Interest Beginning inventory Ending inventory Inventory change	17,849	23,026	21,262	19,574
	18,960	23,646	19,391	26,039
	-1,112	-620	1,871	-6,464
Total inventory change	81,956	-8,231	34,108	301,978
Net operating profit	200,179	9,939	103,783	562,031

Depreciation North Dakota Farm Business Managment Education Program Bottineau - Minot - Rugby, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	62	12	13	13
Net operating profit	200,179	9,939	103,783	562,031
Machinery and Equipment				
Ending inventory	578,372	457,946	323,638	1,177,168
Capital sales	15,567	18,861	9,444	35,252
Beginning inventory	528,683	450,223	293,819	1,051,125
Capital purchases	108,738	64,503	62,256	252,929
Depreciation, capital adjust.	-43,484	-37,919	-22,993	-91,634
Titled Vehicles				
Ending inventory	79,267	101,224	48,845	120,399
Capital sales	2,509	1,151	169	3,811
Beginning inventory	76,800	98,693	44,172	120,143
Capital purchases	12,177	12,901	9,100	15,787
Depreciation, capital adjust.	-7,201	-9,218	-4,258	-11,720
Buildings and Improvements				
Ending inventory	173,900	153,131	63,308	369,179
Capital sales	2,363	-	-	-
Beginning inventory	156,243	136,568	62,777	346,588
Capital purchases	24,890	18,471	1,983	32,770
Depreciation, capital adjust.	-4,869	-1,908	-1,453	-10,180
Total depreciation, capital adj.	-55,554	-49,046	-28,704	-113,533
Net farm income from operations	144,626	-39,107	75,080	448,498
Gain or loss on capital sales	724	-5,140	1,164	7,397
Net farm income	145,350	-44,247	76,243	455,895

Profitability Measures North Dakota Farm Business Managment Education Program Bottineau - Minot - Rugby, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	62	12	13	13
Profitability (assets valued at cost)				
Net farm income from operations	144,626	-39,107	75,080	448,498
Rate of return on assets	6.1 %	-2.5 %	4.8 %	10.9 %
Rate of return on equity	7.4 %	-11.9 %	6.0 %	13.4 %
Operating profit margin	15.9 %	-7.9 %	12.2 %	24.8 %
Asset turnover rate	38.6 %	31.9 %	39.2 %	43.9 %
Farm interest expense	33,835	42,928	33,931	41,081
Value of operator lbr and mgmt.	57,249	46,709	46,199	97,878
Return on farm assets	121,212	-42,888	62,812	391,701
Average farm assets	1,973,664	1,702,789	1,319,334	3,599,149
Return on farm equity	87,377	-85,815	28,880	350,620
Average farm equity	1,177,971	721,449	483,839	2,611,303
Value of farm production	761,910	543,231	516,938	1,581,611

Liquidity & Repayment Capacity Measures North Dakota Farm Business Managment Education Program Bottineau - Minot - Rugby, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	62	12	13	13
Liquidity	4 ==	2.24	4.40	0.04
Current ratio	1.75	0.94	1.13	2.61
Working capital	267,777	-31,882	44,833	882,293
Working capital to gross inc	34.8 %	-5.8 %	8.6 %	55.7 %
Current assets	627,068	465,415	388,715	1,428,827
Current liabilities	359,291	497,297	343,882	546,534
Gross revenues (accrual)	768,756	550,316	522,497	1,584,465
Repayment capacity				
Net farm income from operations	144,626	-39,107	75,080	448,498
Depreciation	55,554	49,046	28,704	113,533
Personal income	41,263	41,838	32,383	74,024
Family living/owner withdrawals	-63,703	-53,769	-61,381	-99,602
Cash discrepancy	186	-101	522	481
Payments on personal debt	-4,217	-6,134	-3,746	-2,910
Income taxes paid	-13,113	-2,755	-2,445	-39,053
Interest on term debt	23,274	34,982	25,852	22,366
Capital debt repayment capacity	183,868	24,000	94,968	517,336
Scheduled term debt payments	-81,788	-98,873	-85,946	-99,062
Capital debt repayment margin	102,081	-74,873	9,022	418,274
- op	,	,	-,	,
Cash replacement allowance	-35,477	-33,725	-5,522	-89,601
Replacement margin	66,604	-108,598	3,499	328,673
Term debt coverage ratio	2.25	0.24	1.10	5.22
Replacement coverage ratio	1.57	0.18	1.04	2.74
		55		 .

Balance Sheet at Cost Values North Dakota Farm Business Managment Education Program Bottineau - Minot - Rugby, 2018 (Farms Sorted By Net Farm Income)

Number of farms 62		Avg. Of			
Assets Current Farm Assets Cash and checking balance 42,462 34,309 34,584 48,590 Prepaid expenses & supplies 48,993 7,828 28,677 154,407 2,167 Accounts receivable 39,340 13,881 15,447 137,508 164,077 37,009 164,077 37,009 164,077 37,009 164,077 37,009 164,077 37,009 164,077 37,009 164,077 37,009 164,077 37,009 164,077 37,009 164,079 164,079 164,074 164,0		All Farms	<u>Low 20%</u>	<u>40 - 60%</u>	<u>High 20%</u>
Current Farm Assets	Number of farms	62	12	13	13
Cash and checking balance 42,462 34,309 34,584 48,590 Prepaid expenses & supplies 48,993 7,828 28,677 154,407 Growing crops 769 - 127 2167 Accounts receivable 93,340 13,881 15,447 137,508 Hedging accounts 9,247 - 1,077 37,009 Crops held for sale or feed 451,222 378,813 266,994 1,045,014 Crops under government loan -<					
Prepaid expenses & supplies 48,993 7,828 28,677 154,407 Growing crops 769 - 127 2,167 Accounts receivable 39,340 13,881 15,447 137,508 Hedging accounts 9,247 - 1,077 37,009 Crops held for sale or feed 451,222 378,813 266,994 1,045,014 Crops under government loan - - - - Other current assets - - - - Other current assets - - - - Intermediate Farm Assets - - - - Breeding livestock 100,097 101,149 116,087 11,631 Machinery and equipment 578,372 457,946 323,638 1,177,158 Breeding livestock 79,967 101,244 48,845 120,399 Other intermediate farm assets 75,916 660,822 489,152 1,330 Tidal intermediate farm sasets 75,916 660,822					
Growing crops 769 - 127 2.167 137,508 Hedging accounts 9,247 - 1,077 37,009 Hedging accounts 9,247 - 1,077 37,009 Crops held for sale or feed 451,222 378,813 266,994 1,045,014 Crops under government loan					
Accounts receivable			7,828		
Hedging accounts			-		
Crop's held for sale or feed 451,222 378,813 266,994 1,045,014 Crop's under government loan - <td></td> <td></td> <td>13,881</td> <td></td> <td></td>			13,881		
Crops under government loan Market livestock held for sale and Market livestock held for sale assets 35,035 30,583 41,809 4,130 Charket livestock held for sale assets 41,809 4,133 Charket livestock assets 41,809 41,803 Charket livestock assets 627,068 465,415 388,715 1,428,827 Intermediate Farm Assets Breeding livestock and pulpment by an asset asset and pulpment assets 100,097 101,149 116,087 11,631 11,717,168 31,717,168 11,717,168 31,632 32,633 1,177,168 11,717,168 31,717,168 31,717,168 31,717,168 11,717,128 31,717,128 32,524 48,845 120,399 10,633 1,310,251			-		
Market livestock held for sale Other current assets 35,035 30,583 41,809 4,133 Other current assets 627,068 465,415 388,715 1,428,827 Intermediate Farm Assets Breeding livestock 100,097 101,149 116,087 11,631 Machinery and equipment 578,372 457,946 323,633 1,177,168 110,149 116,087 11,631 Titled vehicles 79,267 101,224 48,845 120,399 20,1053 302,524 48,845 120,399 10,053 302,524 489,152 1,310,251 100,091 101,224 48,845 120,399 309,369 301,052 562 1,053 7043 10,053 303,08 369,179 302,524 421,618 699,369 309,369 309,369 301,739 301,313 63,308 369,179 364,92 50,638 26,745 662,745 662,745 662,745 662,745 662,745 662,745 62,745 62,745 76,940 70,476,05 1,722,531 1,389,539 3,873,843 3,73		451,222	3/8,813	266,994	1,045,014
Other current assets G27,068 A65,415 388,715 1,428,827	Market livesteek held for sele	- 25 025	- 20 592	44.000	4 422
Total current farm assets		35,035	30,563	41,809	4,133
Intermediate Farm Assets Breeding livestock 100,097 101,149 116,087 11,81 Machinery and equipment 578,372 457,946 323,638 1,177,168 Titled vehicles 79,267 101,224 48,845 120,399 Other intermediate assets 2,181 502 552 1,053 Total intermediate farm assets 759,916 660,822 489,152 1,310,251 Long Term Farm Assets Farm land 477,128 392,524 421,618 699,369 Buildings and improvements 173,900 153,131 63,308 369,179 Other long-term assets 36,492 50,638 26,745 66,217 Other long-term farm assets 687,520 566,294 511,671 1,134,765 Total Iong-term farm assets 2,074,505 1,722,531 1,389,539 3,873,843 Total Nonfarm Assets 389,416 327,148 195,187 776,980 Total Assets 2,463,921 2,049,679 1,584,726 4,650,624 Liabilities 4,200,400,400 13,730 12,087 13,637 27,578 Current Farm Liabilities 4,200,400,400 4,200,400,400 4,200,400,400 4,200,400,400 4,200,400,400 4,200,400,400 4,200,400,400,400 4,200,400,400,400,400,400 4,200,400,400,400,400,400,400,400,400,40		627.069	- 165 115	- 200 715	1 420 027
Breeding livestock 100,097 101,149 116,087 11,631 Machinery and equipment 578,372 457,946 323,638 1,177,168 Titled vehicles 79,267 101,224 48,845 120,399 Other intermediate assets 2,181 502 582 1,053 Total intermediate farm assets 789,916 660.822 489,152 1,310,251 Long Term Farm Assets 867 660.822 489,152 1,310,251 Long Term Farm Assets 477,128 392,524 421,618 699,369 Buildings and improvements 173,900 153,131 63,308 369,179 Other long-term farm assets 36,492 50,638 26,745 66,217 Total long-term farm assets 287,520 596,294 511,671 1,134,765 Total Nonfarm Assets 389,416 327,148 195,187 776,980 Total Nonfarm Assets 389,416 327,148 195,187 776,980 Total Intermediate farm Liabilities 13,730 12,087 13,637 <	Total current farm assets	027,000	400,410	300,715	1,420,027
Machinery and equipment 578,372 457,946 323,638 1,177,168 120,339 Other intermediate assets 79,267 101,224 48,845 120,339 Other intermediate assets 759,916 660,822 489,152 1,053 Total intermediate farm assets 759,916 660,822 489,152 1,310,251 Long Term Farm Assets 759,916 660,822 489,152 1,310,251 Long Term Farm Assets 36,902 560,638 2,614 421,618 699,369 Buildings and improvements 173,900 153,131 63,308 369,179 Other long-term assets 36,492 50,638 26,745 66,217 Total long-term farm assets 36,929 50,638 26,745 66,217 Total long-term farm assets 389,416 327,148 195,187 776,980 76,800 72,468 4,650,824 4,650,824 4,650,824 4,650,824 4,650,824 4,650,824 4,650,824 4,650,824 4,650,824 4,650,824 4,650,824 4,650,824 4,650,824 4,650,824 4,650,824					
Titled vehicles Other intermediate assets 2,181 502 582 1,053 Total intermediate farm assets 759,916 660,822 489,152 1,310,251 Long Term Farm Assets Farm land 477,128 392,524 421,618 699,369 Buildings and improvements 173,900 153,131 63,308 369,179 Other long-term assets 36,492 50,638 26,745 66,217 Total long-term farm assets 2,074,505 1,722,531 1,389,539 3,873,843 Total Nonfarm Assets 2,074,505 1,722,531 1,389,539 3,873,843 Total Nonfarm Assets 2,463,921 2,049,679 1,584,726 4,650,824 Liabilities Current Farm Liabilities Assets 18,960 23,646 19,391 26,039 Accounts payable 13,730 12,087 13,637 27,578 Current notes 262,619 403,164 238,653 414,574 Government crop loans 19,710,104 Lorn of Lorn					
Other intermediate assets 2,181 502 582 1,053 Total intermediate farm assets 759,916 660,822 489,152 1,310,251 Long Term Farm Assets Farm land 477,128 392,524 421,618 699,369 Buildings and improvements 173,900 153,131 63,308 369,179 Other long-term assets 36,492 50,638 26,745 662,74 Total long-term farm assets 687,520 596,294 511,671 1,134,765 Total Nonfarm Assets 389,416 327,148 195,187 776,980 Total Assets 2,463,921 2,049,679 1,584,726 4,650,824 Liabilities Current Farm Liabilities Accounts payable 13,730 12,087 13,637 27,578 Current notes 262,619 403,164 238,653 414,574 Government crop loans - - - - Principal due on term debt 63,981 58,400 72,200 78,343 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
Total intermediate farm assets 759,916 660,822 489,152 1,310,251 Long Term Farm Assets 477,128 392,524 421,618 699,369 Buildings and improvements 173,900 153,131 63,308 369,179 Other long-term assets 36,492 50,638 26,745 66,217 Total long-term farm assets 687,520 596,294 511,671 1,134,765 Total Farm Assets 2,074,505 1,722,531 1,389,539 3,873,843 Total Nonfarm Assets 389,416 327,148 195,187 776,980 Total Assets 2,463,921 2,049,679 1,584,726 4,650,824 Liabilities Current Farm Liabilities 2,463,921 2,049,679 1,584,726 4,650,824 Liabilities Current Farm Liabilities 13,730 12,087 13,637 27,578 Current Farm Liabilities 262,619 403,164 238,653 414,574 Government crop loans - - - -					
Long Term Farm Assets Farm land 477,128 392,524 421,618 699,369 Buildings and improvements 173,900 153,131 63,308 369,179 Other long-term assets 36,492 50,638 26,745 66,217 Total long-term assets 687,520 596,294 511,671 1,134,765 Total Farm Assets 2,074,505 1,722,531 1,389,539 3,873,843 Total Nonfarm Assets 389,416 327,148 195,187 776,980 Total Assets 2,463,921 2,049,679 1,584,726 4,650,824 Liabilities 2,263,921 2,264,679 1,584,726 4,650,824 Liabilities 2,263,921 2,264,679 1,3637 27,578 Current Farm Liabilities 13,730 12,087 13,637 27,578 Current notes 262,619 403,164 238,653 414,574 2,260,479 2,200 78,343 2,240,479 2,24					
Farm land 477,128 392,524 421,618 699,369 Buildings and improvements 173,900 153,131 63,308 369,179 Other long-term assets 36,492 50,638 26,745 66,217 Total long-term farm assets 687,520 596,294 511,671 1,134,765 Total Parm Assets 2,074,505 1,722,531 1,389,539 3,873,843 Total Nonfarm Assets 389,416 327,148 195,187 776,980 Total Assets 2,463,921 2,049,679 1,584,726 4,650,824 Liabilities Current Farm Liabilities Accounts payable 13,730 12,087 13,637 27,578 Current notes 262,619 403,164 238,653 414,574 Government crop loans - - - - Principal due on term debt 63,981 58,400 72,200 78,343 Total current farm liabilities 194,237 223,896 189,466 209,648 Total intermediate farm li	Total intermediate farm assets	759,916	660,822	489,152	1,310,251
Buildings and improvements 173,900 153,131 63,308 369,179 Other long-term assets 36,492 50,638 26,745 66,217 Total long-term farm assets 687,520 596,294 511,671 1,134,765 Total Farm Assets 2,074,505 1,722,531 1,389,539 3,873,843 Total Nonfarm Assets 389,416 327,148 195,187 776,980 Total Assets 2,463,921 2,049,679 1,584,726 4,650,824 Liabilities Current Farm Liabilities Account payable 13,730 12,087 13,637 27,578 Current notes 262,619 403,164 238,653 414,574 Government crop loans - - - - Principal due on term debt 63,981 58,400 72,200 78,343 Total intermediate farm liabilities 359,291 497,297 343,882 546,534 Total intermediate farm liabilities 291,206 302,345 355,145 334,722 Total farm liab	Long Term Farm Assets				
Other Long-term assets 36,492 50,638 26,745 66,217 Total long-term farm assets 687,520 596,294 511,671 1,134,765 Total Farm Assets 2,074,505 1,722,531 1,389,539 3,873,843 Total Nonfarm Assets 389,416 327,148 195,187 776,980 Total Assets 2,463,921 2,049,679 1,584,726 4,650,824 Liabilities Current Farm Liabilities Accounds payable 18,960 23,646 19,391 26,039 Accounts payable 13,730 12,087 13,637 27,578 Current notes 262,619 403,164 238,653 414,574 Government crop loans - - - - Principal due on term debt 63,981 58,400 72,200 78,343 Total current farm liabilities 359,291 497,297 343,882 546,534 Total intermediate farm liabs 194,237 223,896 189,466 209,648 Total current farm					
Total long-term farm assets 687,520 596,294 511,671 1,134,765 Total Nonfarm Assets 389,416 327,148 195,187 776,980 Total Nonfarm Assets 2,463,921 2,049,679 1,584,726 4,650,824 Liabilities Current Farm Liabilities Accrued interest 18,960 23,646 19,391 26,039 Accounts payable 13,730 12,087 13,637 27,578 Current notes 26,619 403,164 238,653 414,574 Government crop loans - - - - Principal due on term debt 63,981 58,400 72,200 78,343 Total current farm liabilities 359,291 497,297 343,882 546,534 Total intermediate farm liabs 194,237 223,896 189,466 209,648 Total long term farm liabilities 291,206 302,345 355,145 334,722 Total lonfarm liabilities 70,024 101,873 71,159 60,093					
Total Farm Assets 2,074,505 1,722,531 1,389,539 3,873,843 Total Nonfarm Assets 389,416 327,148 195,187 776,980 Total Assets 2,463,921 2,049,679 1,584,726 4,650,824 Liabilities Current Farm Liabilities Accrued interest 18,960 23,646 19,391 26,039 Accounts payable 13,730 12,087 13,637 27,578 Current notes 262,619 403,164 238,653 414,574 Government crop loans - - - - Principal due on term debt 63,981 58,400 72,200 78,343 Total intermediate farm liabilities 359,291 497,297 343,882 546,534 Total long term farm liabilities 194,237 223,896 189,466 209,648 Total onnfarm liabilities 844,735 1,023,539 888,493 1,090,904 Total nonfarm liabilities 70,024 101,873 71,159 60,093 Total nonfarm liabilities					
Total Nonfarm Assets 389,416 327,148 195,187 776,980 Total Assets 2,463,921 2,049,679 1,584,726 4,650,824 Liabilities Current Farm Liabilities Accrued interest 18,960 23,646 19,391 26,039 Accounts payable 13,730 12,087 13,637 27,578 Current notes 262,619 403,164 238,653 414,574 Government crop loans - - - - Principal due on term debt 63,981 58,400 72,200 78,343 Total current farm liabilities 359,291 497,297 343,882 546,534 Total intermediate farm liabs 194,237 223,896 189,466 209,648 Total long term farm liabilities 291,206 302,345 355,145 334,722 Total nonfarm liabilities 844,735 1,023,539 888,493 1,090,904 Total nonfarm liabilities 70,024 101,873 71,159 60,093 Total la					
Total Assets 2,463,921 2,049,679 1,584,726 4,650,824 Liabilities Current Farm Liabilities Current Farm Liabilities 18,960 23,646 19,391 26,039 Accounts payable 13,730 12,087 13,637 27,578 Current notes 262,619 403,164 238,653 414,574 Government crop loans - - - - Principal due on term debt 63,981 58,400 72,200 78,343 Total current farm liabilities 359,291 497,297 343,882 546,534 Total intermediate farm liabs 194,237 223,896 189,466 209,648 Total long term farm liabilities 291,206 302,345 355,145 334,722 Total farm liabilities 844,735 1,023,539 888,493 1,090,904 Total inferral liabilities 70,024 101,873 71,159 60,093 Total liabilities 914,759 1,125,412 959,652 1,150,997 Net worth (farm and nonfarm) <td>Total Farm Assets</td> <td>2,074,505</td> <td>1,722,531</td> <td>1,389,539</td> <td>3,873,843</td>	Total Farm Assets	2,074,505	1,722,531	1,389,539	3,873,843
Liabilities Current Farm Liabilities 18,960 23,646 19,391 26,039 Accounts payable 13,730 12,087 13,637 27,578 Current notes 262,619 403,164 238,653 414,574 Government crop loans - - - - Principal due on term debt 63,981 58,400 72,200 78,343 Total current farm liabilities 359,291 497,297 343,882 546,534 Total intermediate farm liabs 194,237 223,896 189,466 209,648 Total long term farm liabilities 291,206 302,345 355,145 334,722 Total farm liabilities 844,735 1,023,539 888,493 1,090,904 Total nonfarm liabilities 70,024 101,873 71,159 60,093 Total liabilities 914,759 1,125,412 959,652 1,150,997 Net worth (farm and nonfarm) 1,549,162 924,267 625,074 3,499,827 Net worth change 128,466 -49,558 42,049 390,476 Percent net worth change					
Current Farm Liabilities 18,960 23,646 19,391 26,039 Accounts payable 13,730 12,087 13,637 27,578 Current notes 262,619 403,164 238,653 414,574 Government crop loans - - - - Principal due on term debt 63,981 58,400 72,200 78,343 Total current farm liabilities 359,291 497,297 343,882 546,534 Total intermediate farm liabs 194,237 223,896 189,466 209,648 Total long term farm liabilities 291,206 302,345 355,145 334,722 Total farm liabilities 844,735 1,023,539 888,493 1,090,904 Total nonfarm liabilities 70,024 101,873 71,159 60,093 Total liabilities 914,759 1,125,412 959,652 1,150,997 Net worth (farm and nonfarm) 1,549,162 924,267 625,074 3,499,827 Net worth change 9 % -5 % 7 % 13 % <	Total Assets	2,463,921	2,049,679	1,584,726	4,650,824
Accrued interest 18,960 23,646 19,391 26,039 Accounts payable 13,730 12,087 13,637 27,578 Current notes 262,619 403,164 238,653 414,574 Government crop loans - - - - Principal due on term debt 63,981 58,400 72,200 78,343 Total current farm liabilities 359,291 497,297 343,882 546,534 Total intermediate farm liabs 194,237 223,896 189,466 209,648 Total long term farm liabilities 291,206 302,345 355,145 334,722 Total farm liabilities 844,735 1,023,539 888,493 1,090,904 Total nonfarm liabilities 70,024 101,873 71,159 60,093 Total liabilities 914,759 1,125,412 959,652 1,150,997 Net worth (farm and nonfarm) 1,549,162 924,267 625,074 3,499,827 Net worth change 9 % -5 % 7 % 13 % Ratio Analysis 57 % 107 % 88 % 38 %					
Accounts payable 13,730 12,087 13,637 27,578 Current notes 262,619 403,164 238,653 414,574 Government crop loans	Current Farm Liabilities				
Current notes 262,619 403,164 238,653 414,574 Government crop loans -					
Government crop loans -					
Principal due on term debt 63,981 58,400 72,200 78,343 Total current farm liabilities 359,291 497,297 343,882 546,534 Total intermediate farm liabs 194,237 223,896 189,466 209,648 Total long term farm liabilities 291,206 302,345 355,145 334,722 Total farm liabilities 844,735 1,023,539 888,493 1,090,904 Total nonfarm liabilities 70,024 101,873 71,159 60,093 Total liabilities 914,759 1,125,412 959,652 1,150,997 Net worth (farm and nonfarm) 1,549,162 924,267 625,074 3,499,827 Net worth change 128,466 -49,558 42,049 390,476 Percent net worth change 9 % -5 % 7 % 13 % Ratio Analysis Current farm liabilities / assets 57 % 107 % 88 % 38 % Intermediate farm liab. / assets 26 % 34 % 39 % 16 % Long term farm liab. / assets		262,619	403,164	238,653	414,574
Total current farm liabilities 359,291 497,297 343,882 546,534 Total intermediate farm liabs 194,237 223,896 189,466 209,648 Total long term farm liabilities 291,206 302,345 355,145 334,722 Total farm liabilities 844,735 1,023,539 888,493 1,090,904 Total nonfarm liabilities 70,024 101,873 71,159 60,093 Total liabilities 914,759 1,125,412 959,652 1,150,997 Net worth (farm and nonfarm) 1,549,162 924,267 625,074 3,499,827 Net worth change 128,466 -49,558 42,049 390,476 Percent net worth change 9 % -5 % 7 % 13 % Ratio Analysis Current farm liabilities / assets 57 % 107 % 88 % 38 % Intermediate farm liab. / assets 26 % 34 % 39 % 16 % Long term farm liab. / assets 42 % 51 % 69 % 29 %		-	-		-
Total intermediate farm liabs 194,237 223,896 189,466 209,648 Total long term farm liabilities 291,206 302,345 355,145 334,722 Total farm liabilities 844,735 1,023,539 888,493 1,090,904 Total nonfarm liabilities 70,024 101,873 71,159 60,093 Total liabilities 914,759 1,125,412 959,652 1,150,997 Net worth (farm and nonfarm) 1,549,162 924,267 625,074 3,499,827 Net worth change 128,466 -49,558 42,049 390,476 Percent net worth change 9 % -5 % 7 % 13 % Ratio Analysis Current farm liabilities / assets 57 % 107 % 88 % 38 % Intermediate farm liab. / assets 26 % 34 % 39 % 16 % Long term farm liab. / assets 42 % 51 % 69 % 29 %	Principal due on term debt				
Total long term farm liabilities 291,206 302,345 355,145 334,722 Total farm liabilities 844,735 1,023,539 888,493 1,090,904 Total nonfarm liabilities 70,024 101,873 71,159 60,093 Total liabilities 914,759 1,125,412 959,652 1,150,997 Net worth (farm and nonfarm) 1,549,162 924,267 625,074 3,499,827 Net worth change 128,466 -49,558 42,049 390,476 Percent net worth change 9 % -5 % 7 % 13 % Ratio Analysis Current farm liabilities / assets 57 % 107 % 88 % 38 % Intermediate farm liab. / assets 26 % 34 % 39 % 16 % Long term farm liab. / assets 42 % 51 % 69 % 29 %	lotal current farm liabilities	359,291	497,297	343,882	546,534
Total farm liabilities 844,735 1,023,539 888,493 1,090,904 Total nonfarm liabilities 70,024 101,873 71,159 60,093 Total liabilities 914,759 1,125,412 959,652 1,150,997 Net worth (farm and nonfarm) 1,549,162 924,267 625,074 3,499,827 Net worth change 128,466 -49,558 42,049 390,476 Percent net worth change 9 % -5 % 7 % 13 % Ratio Analysis Current farm liabilities / assets 57 % 107 % 88 % 38 % Intermediate farm liab. / assets 26 % 34 % 39 % 16 % Long term farm liab. / assets 42 % 51 % 69 % 29 %	Total intermediate farm liabs	194,237	223,896	189,466	209,648
Total nonfarm liabilities 70,024 101,873 71,159 60,093 Total liabilities 914,759 1,125,412 959,652 1,150,997 Net worth (farm and nonfarm) 1,549,162 924,267 625,074 3,499,827 Net worth change 128,466 -49,558 42,049 390,476 Percent net worth change 9 % -5 % 7 % 13 % Ratio Analysis Current farm liabilities / assets 57 % 107 % 88 % 38 % Intermediate farm liab. / assets 26 % 34 % 39 % 16 % Long term farm liab. / assets 42 % 51 % 69 % 29 %	Total long term farm liabilities	291,206	302,345	355,145	334,722
Total liabilities 914,759 1,125,412 959,652 1,150,997 Net worth (farm and nonfarm) 1,549,162 924,267 625,074 3,499,827 Net worth change 128,466 -49,558 42,049 390,476 Percent net worth change 9 % -5 % 7 % 13 % Ratio Analysis Current farm liabilities / assets 57 % 107 % 88 % 38 % Intermediate farm liab. / assets 26 % 34 % 39 % 16 % Long term farm liab. / assets 42 % 51 % 69 % 29 %	Total farm liabilities	844,735	1,023,539	888,493	1,090,904
Total liabilities 914,759 1,125,412 959,652 1,150,997 Net worth (farm and nonfarm) 1,549,162 924,267 625,074 3,499,827 Net worth change 128,466 -49,558 42,049 390,476 Percent net worth change 9 % -5 % 7 % 13 % Ratio Analysis Current farm liabilities / assets 57 % 107 % 88 % 38 % Intermediate farm liab. / assets 26 % 34 % 39 % 16 % Long term farm liab. / assets 42 % 51 % 69 % 29 %	Total nonfarm liabilities	70,024	101,873	71,159	60,093
Net worth change 128,466 -49,558 42,049 390,476 Percent net worth change 9 % -5 % 7 % 13 % Ratio Analysis Current farm liabilities / assets 57 % 107 % 88 % 38 % Intermediate farm liab. / assets 26 % 34 % 39 % 16 % Long term farm liab. / assets 42 % 51 % 69 % 29 %					
Net worth change 128,466 -49,558 42,049 390,476 Percent net worth change 9 % -5 % 7 % 13 % Ratio Analysis Current farm liabilities / assets 57 % 107 % 88 % 38 % Intermediate farm liab. / assets 26 % 34 % 39 % 16 % Long term farm liab. / assets 42 % 51 % 69 % 29 %	Net worth (farm and nonfarm)	1 549 162	924 267	625 074	3 499 827
Percent net worth change 9 % -5 % 7 % 13 % Ratio Analysis Current farm liabilities / assets 57 % 107 % 88 % 38 % Intermediate farm liab. / assets 26 % 34 % 39 % 16 % Long term farm liab. / assets 42 % 51 % 69 % 29 %					, ,
Current farm liabilities / assets 57 % 107 % 88 % 38 % Intermediate farm liab. / assets 26 % 34 % 39 % 16 % Long term farm liab. / assets 42 % 51 % 69 % 29 %					
Current farm liabilities / assets 57 % 107 % 88 % 38 % Intermediate farm liab. / assets 26 % 34 % 39 % 16 % Long term farm liab. / assets 42 % 51 % 69 % 29 %	Ratio Analysis				
Intermediate farm liab. / assets 26 % 34 % 39 % 16 % Long term farm liab. / assets 42 % 51 % 69 % 29 %		57 %	107 %	88 %	38 %
Long term farm liab. / assets 42 % 51 % 69 % 29 %					
Total debt to asset ratio 37 % 55 % 61 % 25 %	Total debt to asset ratio	37 %	55 %	61 %	25 %

Statement Of Cash Flows

North Dakota Farm Business Managment Education Program Bottineau - Minot - Rugby, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	62	12	13	13
Beginning cash (farm & nonfarm)	48,698	23,490	25,485	90,384
Cash Provided By Operating Activities				
Gross cash farm income	686,006	564,035	486,662	1,276,836
Total cash farm expense	-567,783	-545,865	-416,987	-1,016,783
Net cash from hedging transactions	4,339	-	-385	12,987
Cash provided by operating	122,562	18,170	69,291	273,040
Cash Provided By Investing Activities				
Sale of breeding livestock	434	-	-	•
Sale of machinery & equipment	17,271	17,556	10,664	44,114
Sale of titled vehicles	2,340	1,504	113	2,346
Sale of farm land	2,903	15,000	-	-
Sale of farm buildings	2,363	-	-	-
Sale of other farm assets	1,267	913	809	1,769
Sale of nonfarm assets	2,601	3,054	441	3,939
Purchase of breeding livestock	-8,032	-7,885	-20,988	-754
Purchase of machinery & equip.	-108,738	-64,503	-62,256	-252,929
Purchase of titled vehicles	-12,177	-12,901	-9,100	-15,787
Purchase of farm land	-36,732	-28,048	-27,336	-79,405
Purchase of farm buildings	-24,890	-18,471	-1,983	-32,770
Purchase of other farm assets	-48	-	-231	-
Purchase of nonfarm assets	-16,166	-12,421	-29,680	-28,187
Cash provided by investing	-177,605	-106,202	-139,548	-357,663
Cash Provided By Financing Activities				
Money borrowed	655,268	698,791	609,023	1,032,161
Principal payments	-554,113	-601,021	-485,445	-839,667
Personal income	41,263	41,838	32,383	74,024
Family living/owner withdrawals	-63,703	-53,769	-61,381	-99,602
Income and social security tax	-12,349	-2,755	-5,201	-32,745
Capital contributions	-	-	-	
Capital distributions	-	-	-	
Dividends paid	-	-	-	
Cash gifts and inheritances	16,928	19,055	-	2,975
Gifts given	-619	-5	-	
Other cash flows	-	-	-	•
Cash provided by financing	82,675	102,133	89,379	137,145
Net change in cash balance	27,632	14,101	19,121	52,522
Ending cash (farm & nonfarm)	76,516	37,490	45,128	143,386
Discrepancy	-186	101	-522	-481

Crop Production and Marketing Summary North Dakota Farm Business Managment Education Program Bottineau - Minot - Rugby, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	62	12	13	13
Acreage Summary				
Total acres owned	930	712	501	1,172
Total crop acres	2,377	1,948	1,619	4,419
Crop acres owned	575	461	360	794
Crop acres cash rented	1,565	1,462	1,184	3,153
Crop acres share rented	236	25	74	472
Total pasture acres	540	535	478	116
Percent crop acres owned	24 %	24 %	22 %	18 %
Mach invest/crop acre cost	266	284	219	279
Average Price Received (Cash Sales	Only)			
Wheat, Spring per bushel	5.41	5.64	5.36	5.47
Soybeans per bushel	8.74	8.54	8.73	8.91
Canola per cwt	17.24	16.08	15.99	17.85
Barley per bushel	4.26	-	-	4.31
Corn per bushel	3.06	-	-	3.20
Sunflowers per cwt	16.49	-	-	-
Wheat, Durum per bushel	5.12	-	-	-
Peas, Field per bushel	6.65	-	-	-
Oats per bushel	2.76	-	-	-
Average Yield Per Acre				
Wheat, Spring (bushel)	58.05	52.88	56.39	61.97
Soybeans (bushel)	26.24	28.02	27.83	26.06
Canola (cwt)	18.26	15.16	16.68	19.50
Hay, Grass (ton)	1.06	1.18	-	10.00
Corn (bushel)	104.36	101.61	_	105.80
Hay, Mixed Alfalfa/Grass (ton)	1.25	-	_	0.816
Barley (bushel)	68.91	-	_	75.73
Hay, Small Grain (ton)	1.90	1.58	_	-
Corn Silage (ton)	15.16	-	_	_
Flax (bushel)	27.86	-	-	26.32
Wheat, Durum (bushel)	67.20	-	-	67.54
Hay, Alfalfa (ton)	1.59	_	-	-
Oats (bushel)	116.86	-	-	-
Beans, Pinto (cwt)	15.51	-	-	-
Peas, Field (lb)	43.54	_	_	43.54

Financial Standards Measures North Dakota Farm Business Managment Education Program Bottineau - Minot - Rugby, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	62	12	13	13
Liquidity				
Current ratio	1.75	0.94	1.13	2.61
Working capital	267,777	-31,882	44,833	882,293
Working capital to gross inc	34.8 %	-5.8 %	8.6 %	55.7 %
Solvency (cost)				
Farm debt to asset ratio	41 %	59 %	64 %	28 %
Farm equity to asset ratio	59 %	41 %	36 %	72 %
Farm debt to equity ratio	0.69	1.46	1.77	0.39
Profitability (cost)				
Rate of return on farm assets	6.1 %	-2.5 %	4.8 %	10.9 %
Rate of return on farm equity	7.4 %	-11.9 %	6.0 %	13.4 %
Operating profit margin	15.9 %	-7.9 %	12.2 %	24.8 %
Net farm income	145,350	-44,247	76,243	455,895
EBITDA	234,015	52,866	137,715	603,112
Repayment Capacity				
Capital debt repayment capacity	183,868	24,000	94,968	517,336
Capital debt repayment margin	102,081	-74,873	9,022	418,274
Replacement margin	66,604	-108,598	3,499	328,673
Term debt coverage ratio	2.25	0.24	1.10	5.22
Replacement coverage ratio	1.57	0.18	1.04	2.74
Efficiency				
Asset turnover rate (cost)	38.6 %	31.9 %	39.2 %	43.9 %
Operating expense ratio	69.6 %	90.4 %	73.6 %	61.9 %
Depreciation expense ratio	7.2 %	8.9 %	5.5 %	7.2 %
Interest expense ratio	4.4 %	7.8 %	6.5 %	2.6 %
Net farm income ratio	18.9 %	-8.0 %	14.6 %	28.8 %

Household and Personal Expenses North Dakota Farm Business Managment Education Program Bottineau - Minot - Rugby, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	31	7	5	5
Average family size	3.2	3.1	4.0	4.2
Family Living Expenses				
Food and meals expense	9,639	9,763	11,577	11,506
Medical care	5,549	3,630	6,157	6,763
Health insurance	8,096	8,242	4,321	14,646
Cash donations	2,925	1,907	1,542	5,579
Household supplies	8,965	7,609	12,989	13,256
Clothing	2,535	2,193	3,600	3,575
Personal care	3,397	1,005	1,856	2,835
Child / Dependent care	721	285	1,571	704
Alimony and child support	-	-	-	-
Gifts	2,069	2,053	1,743	3,105
Education	1,575	1,712	1,472	1,118
Recreation	4,587	3,400	5,392	4,180
Utilities (household share)	4,892	3,887	5,432	5,713
Personal vehicle operating exp	4,225	4,414	5,752	3,090
Household real estate taxes	462	-	12	465
Dwelling rent	-	-	-	-
Household repairs	1,887	1,471	6,062	1,178
Personal interest	3,052	2,165	6,651	3,324
Disability / Long term care ins	378	-	-	727
Life insurance payments	4,280	5,382	1,616	7,457
Personal property insurance	537	-	6	1,225
Miscellaneous	5,886	7,603	4,852	10,324
Total cash family living expense	75,658	66,721	82,602	100,769
Family living from the farm	101	-	-	156
Total family living	75,759	66,721	82,602	100,925
Other Nonfarm Expenditures				
Income taxes	10,118	3,098	2,024	14,401
Furnishing & appliance purchases	28	123	-	-
Nonfarm vehicle purchases	3,782	3,386	7,840	1,854
Nonfarm real estate purchases	9,847	-	61,053	-
Other nonfarm capital purchases	-	-	· -	-
Nonfarm savings & investments	16,168	386	4,390	-4,390
Total other nonfarm expenditures	39,943	6,993	75,307	11,865
Total cash family living				
investment & nonfarm capital purch	115,601	73,714	157,910	112,634

Operator and Labor Information North Dakota Farm Business Managment Education Program Bottineau - Minot - Rugby, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	62	12	13	13
Operator Information				
Average number of operators	1.1	1.0	1.0	1.4
Average age of operators	44.2	49.1	36.5	44.2
Average number of years farming	19.0	20.8	10.5	21.4
Results Per Operator				
Working capital	240,611	-31,882	44,833	637,212
Total assets (cost)	2,213,958	2,049,679	1,584,726	3,358,928
Total liabilities	821,958	1,125,412	959,652	831,276
Net worth (cost)	1,392,000	924,267	625,074	2,527,653
Gross farm income	690,766	550,316	522,497	1,144,336
Total farm expense	560,812	589,423	447,418	820,421
Net farm income from operations	129,954	-39,107	75,080	323,915
Net nonfarm income	37,077	41,838	32,383	53,461
Family living & tax withdrawals	68,856	56,625	63,305	99,792
Total acres owned	835.8	712.3	500.7	846.4
Total crop acres	2,135.7	1,948.4	1,618.7	3,191.6
Crop acres owned	517.0	460.9	360.4	573.3
Crop acres cash rented	1,406.4	1,462.0	1,184.1	2,277.4
Crop acres share rented	212.4	25.4	74.2	340.9
Total pasture acres	485.1	535.3	478.2	84.1
Labor Analysis				
Number of farms	62	12	13	13
Total unpaid labor hours	2,333	2,225	2,100	2,846
Total hired labor hours	744	496	671	1,281
Total labor hours per farm	3,077	2,721	2,771	4,127
Unpaid hours per operator	2,096	2,225	2,100	2,056
Value of farm production / hour	247.63	199.61	186.52	383.20
Net farm income / unpaid hour	61.99	-17.58	35.75	157.58
Average hourly hired labor wage	25.21	25.74	22.00	28.09
Partnerships & LLCs				
Number of farms	5	1	-	3
Number of operators	1.6	-	-	-
Owner withdrawals per farm	-	-	-	-
Withdrawals per operator	-	-	-	-

Nonfarm Summary North Dakota Farm Business Managment Education Program Bottineau - Minot - Rugby, 2018 (Farms Sorted By Net Farm Income)

	Avg. Of All Farms	Low 20%	40 - 60%	High 20%
Number of farms	62	12	13	13
Nonfarm Income				
Personal wages & salary	20,859	22,079	26,280	26,226
Net nonfarm business income	7,423	6,175	1,278	24,524
Personal rental income	5,570	6,906	-,	12,273
Personal interest income	206	3	4	927
Personal cash dividends	11	-	2	-
Tax refunds	1,364	2,195	1,587	824
Other nonfarm income	5,828	4,480	3,232	9,249
Total nonfarm income	41,263	41,838	32,383	74,024
Total Homan Hillome	41,200	41,000	02,000	74,024
Gifts and inheritances	16,928	19,055	-	2,975
Nonfarm Assets (cost)				
Checking & savings	34,054	3,181	10,544	94,796
Stocks & bonds	26,218	9,186	2,139	54,457
Other current assets	16,192	6,169	168	37,359
Furniture & appliances	14,929	20,825	5,231	22,050
Nonfarm vehicles	26,935	31,087	24,758	44,440
Cash value of life ins.	14,968	32,928	2,573	27,538
Retirement accounts	68,880	5,995	39,438	144,694
Other intermediate assets	7,751	7,094	1,115	16,272
Nonfarm real estate	156,783	162,847	109,222	271,524
Personal bus. investment	4,839	-	· -	23,077
Other long term assets	17,867	47,837	-	40,774
Total nonfarm assets	389,416	327,148	195,187	776,980
Nonfarm Liabilities				
Accrued interest	747	766	80	51
Accounts payable	959	1,779	437	-
Current notes	2,751	12,863	328	680
Princ due on term debt	4,357	7,695	4,250	2,199
Total current liabilities	11,395	23,101	5,864	14,085
Intermediate liabilities	4,522	8,928	10,489	759
Long term liabilities	54,107	69,843	54,806	45,249
Total nonfarm liabilities	70,024	101,873	71,159	60,093
Nonfarm net worth	319,392	225,275	124,029	716,888
Nonfarm debt to asset ratio	18 %	31 %	36 %	8 %

Financial Summary North Dakota Farm Business Managment Education Program Bottineau - Minot - Rugby, 2018 (Farms Sorted By Gross Farm Income)

Total cash farm expense 567,783 50,157 177,037 346,543 71 Net cash farm income 118,223 15,891 16,188 48,748 11 Inventory change 81,956 3,535 12,927 41,087 15 Depreciation -55,554 -2,320 -11,929 -27,074 -6 Net farm income from operations 144,626 17,106 17,185 62,760 19 Gain or loss on capital sales 724 - 2,092 -4,088 Average net farm income 145,350 17,106 19,277 58,672 19 Median net farm income 79,614 12,965 16,969 50,712 18	22 26,489 15,426 11,063 50,057 64,161 96,959 685 97,645 33,846	1,437,677 1,089,643 348,034 128,611 -127,755 348,889 11,282 360,171 466,002
Gross cash farm income 686,006 66,048 193,224 395,290 82 Total cash farm expense 567,783 50,157 177,037 346,543 71 Net cash farm income 118,223 15,891 16,188 48,748 11 Inventory change 81,956 3,535 12,927 41,087 15 Depreciation -55,554 -2,320 -11,929 -27,074 -6 Net farm income from operations 144,626 17,106 17,185 62,760 19 Gain or loss on capital sales 724 - 2,092 -4,088 Average net farm income 145,350 17,106 19,277 58,672 19 Median net farm income 79,614 12,965 16,969 50,712 18	15,426 11,063 50,057 64,161 96,959 685 97,645	1,089,643 348,034 128,611 -127,755 348,889 11,282 360,171
Gross cash farm income 686,006 66,048 193,224 395,290 82 Total cash farm expense 567,783 50,157 177,037 346,543 71 Net cash farm income 118,223 15,891 16,188 48,748 11 Inventory change 81,956 3,535 12,927 41,087 15 Depreciation -55,554 -2,320 -11,929 -27,074 -6 Net farm income from operations 144,626 17,106 17,185 62,760 19 Gain or loss on capital sales 724 - 2,092 -4,088 Average net farm income 145,350 17,106 19,277 58,672 19 Median net farm income 79,614 12,965 16,969 50,712 18	15,426 11,063 50,057 64,161 96,959 685 97,645	1,089,643 348,034 128,611 -127,755 348,889 11,282 360,171
Total cash farm expense 567,783 50,157 177,037 346,543 71 Net cash farm income 118,223 15,891 16,188 48,748 11 Inventory change 81,956 3,535 12,927 41,087 15 Depreciation -55,554 -2,320 -11,929 -27,074 -6 Net farm income from operations 144,626 17,106 17,185 62,760 19 Gain or loss on capital sales 724 - 2,092 -4,088 Average net farm income 145,350 17,106 19,277 58,672 19 Median net farm income 79,614 12,965 16,969 50,712 18 Profitability (cost)	15,426 11,063 50,057 64,161 96,959 685 97,645	1,089,643 348,034 128,611 -127,755 348,889 11,282 360,171
Net cash farm income 118,223 15,891 16,188 48,748 11 Inventory change 81,956 3,535 12,927 41,087 15 Depreciation -55,554 -2,320 -11,929 -27,074 -6 Net farm income from operations 144,626 17,106 17,185 62,760 19 Gain or loss on capital sales 724 - 2,092 -4,088 Average net farm income 145,350 17,106 19,277 58,672 19 Median net farm income 79,614 12,965 16,969 50,712 18 Profitability (cost)	50,057 54,161 96,959 685 97,645	348,034 128,611 -127,755 348,889 11,282 360,171
Depreciation -55,554 -2,320 -11,929 -27,074 -6 Net farm income from operations 144,626 17,106 17,185 62,760 19 Gain or loss on capital sales 724 - 2,092 -4,088 Average net farm income 145,350 17,106 19,277 58,672 19 Median net farm income 79,614 12,965 16,969 50,712 18 Profitability (cost)	64,161 96,959 685 97,645	-127,755 348,889 11,282 360,171
Net farm income from operations 144,626 17,106 17,185 62,760 19 Gain or loss on capital sales 724 - 2,092 -4,088 Average net farm income 145,350 17,106 19,277 58,672 19 Median net farm income 79,614 12,965 16,969 50,712 18 Profitability (cost)	96,959 685 97,645	348,889 11,282 360,171
Gain or loss on capital sales 724 - 2,092 -4,088 Average net farm income 145,350 17,106 19,277 58,672 19 Median net farm income 79,614 12,965 16,969 50,712 18 Profitability (cost)	685 97,645	11,282 360,171
Average net farm income 145,350 17,106 19,277 58,672 19 Median net farm income 79,614 12,965 16,969 50,712 18 Profitability (cost)	97,645	360,171
Median net farm income 79,614 12,965 16,969 50,712 18 Profitability (cost)		
Profitability (cost)	33,846	466,002
	7.2 %	7.6 %
	9.1 %	9.4 %
	7.3 %	20.1 %
Asset turnover rate 38.6 % 29.8 % 37.4 % 37.6 % 4	1.7 %	38.0 %
Liquidity & Repayment (end of year)		
	13,792	1,347,235
	08,365	638,063
Current ratio 1.75 2.68 1.37 1.44	1.82	2.11
	35,427	709,172
	17,161	48,022
	4.2 %	45.5 %
Term debt coverage ratio 2.25 1.78 0.86 1.39	2.28	3.33
Replacement coverage ratio 1.57 1.71 0.71 1.07 Term debt to EBITDA 1.87 3.14 4.60 2.61	1.68 1.75	2.02 1.51
Solvency (end of year at cost)		
Number of farms 62 6 8 15	22	10
	31,850	5,282,065
	77,701	1,586,725
)4,149	3,695,340
	34,263	319,894
Farm debt to asset ratio 41 % 48 % 59 % 49 %	40 %	34 %
Total debt to asset ratio 37 % 45 % 57 % 46 %	37 %	30 %
Change in earned net worth % 9 % 21 % 7 % 4 %	11 %	9 %
Nonfarm Information		
	25,767	96,008
Farms reporting living expenses 31 2 3 9	14	2
	91,986	-
Total living, invest, cap. purch 115,601 70,251 15	53,174	-
Crop Acres		
	3,144	4,177
Total crop acres owned 575 - 167 361	898	800
Total crop acres cash rented 1,565 314 544 994	1,922	2,975
Total crop acres share rented 236 13 74 184	323	401
Machinery value per crop acre 266 70 212 236	239	317

Financial Summary North Dakota Farm Business Managment Education Program Bottineau - Minot - Rugby, 2018 (Farms Sorted By Total Acres)

	•		,		
	Avg. Of All Farms	501 - 1,000	1,001 - <u>1,500</u>	1,501 - 2,000	2,001 - 5,000
Number of farms	62	9	7	10	29
Income Statement					
Gross cash farm income	686,006	186,048	437,067	460,116	1,031,164
Total cash farm expense	567,783	147,231	325,758	395,278	823,397
Net cash farm income	118,223	38,817	111,309	64,838	207,768
Inventory change	81,956	-4,162	47	27,418	120,034
Depreciation	-55,554	-9,989	-40,763	-26,091	-83,689
Net farm income from operations	144,626	24,667	70,593	66,166	244,112
Gain or loss on capital sales	724	, -	2,233	-6,021	4,410
Average net farm income	145,350	24,667	72,825	60,146	248,523
Median net farm income	79,614	44,569	54,375	46,593	228,055
Profitability (cost)					
Rate of return on assets	6.1 %	0.8 %	3.4 %	4.6 %	7.3 %
Rate of return on equity	7.4 %	-1.2 %	3.7 %	4.1 %	9.1 %
Operating profit margin	15.9 %	2.9 %	11.7 %	11.1 %	18.7 %
Asset turnover rate	38.6 %	28.1 %	29.3 %	42.0 %	39.2 %
Liquidity & Repayment (end of year)				
Current assets	627,068	166,787	389,685	320,771	934,114
Current liabilities	359,291	82,525	245,284	233,557	472,025
Current ratio	1.75	2.02	1.59	1.37	1.98
Working capital	267,777	84,261	144,401	87,213	462,090
Change in working capital	36,803	24,320	23,456	22,670	48,871
Working capital to gross inc	34.8 %	43.1 %	33.8 %	17.9 %	40.2 %
Term debt coverage ratio	2.25	0.91	1.21	1.30	2.72
Replacement coverage ratio	1.57	0.79	1.00	1.02	1.83
Term debt to EBITDA	1.87	3.72	3.32	3.00	1.61
Solvency (end of year at cost)					
Number of farms	62	9	7	10	29
Total assets	2,463,921	806,092	1,651,416	1,505,959	3,674,095
Total liabilities	914,759	352,925	723,213	688,920	1,252,942
Net worth	1,549,162	453,167	928,203	817,038	2,421,153
Net worth change	128,466	29,348	27,588	100,054	208,604
Farm debt to asset ratio	41 %	44 %	47 %	53 %	38 %
Total debt to asset ratio	37 %	44 %	44 %	46 %	34 %
Change in earned net worth %	9 %	7 %	3 %	14 %	9 %
Nonfarm Information					
Net nonfarm income	41,263	41,078	39,943	31,209	46,513
Farms reporting living expenses	31	2	5	7	14
Total family living expense	75,759	-	69,603	66,207	89,996
Total living, invest, cap. purch	115,601	-	97,836	135,451	109,932
Crop Acres	6				
Total crop acres	2,377	769	1,272	1,723	3,434
Total crop acres owned	575	143	507	431	802
Total crop acres cash rented	1,565	561	616	1,110	2,267
Total crop acres share rented	236	66	149	183	366
Machinery value per crop acre	266	177	326	199	276

Financial Summary North Dakota Farm Business Managment Education Program Bottineau - Minot - Rugby, 2018 (Farms Sorted By Age of Operator)

	Avg. Of All Farms	Less Than 31	31 - 40	41 - 50	51 - 60	Over 60
Number of farms	62	10	15	16	11	10
Income Statement						
Gross cash farm income	686,006	224,238	735,977	843,248	653,160	857,363
Total cash farm expense	567,783	174,683	605,205	695,196	538,068	733,577
Net cash farm income	118,223	49,555	130,772	148,052	115,092	123,786
Inventory change	81,956	11,837	99,819	105,888	28,516	145,775
Depreciation	-55,554	-6,001	-58,398	-64,451	-44,933	-98,285
Net farm income from operations	144,626	55,390	172,193	189,489	98,675	171,276
Gain or loss on capital sales	724	-111	22	6,310	-3,749	-1,405
Average net farm income	145,350	55,280	172,215	195,799	94,926	169,871
Median net farm income	79,614	57,783	90,333	92,977	65,811	197,266
Profitability (cost)						
Rate of return on assets	6.1 %	9.7 %	7.6 %	6.4 %	5.2 %	4.5 %
Rate of return on equity	7.4 %	17.8 %	9.9 %	7.7 %	6.7 %	4.7 %
Operating profit margin	15.9 %	14.6 %	17.6 %	18.4 %	11.8 %	13.4 %
Asset turnover rate	38.6 %	66.3 %	43.3 %	34.7 %	44.0 %	33.3 %
Liquidity & Repayment (end of ye						
Current assets	627,068	138,260	660,948	789,091	500,128	945,455
Current liabilities	359,291	72,581	374,863	412,778	338,343	560,109
Current ratio	1.75	1.90	1.76	1.91	1.48	1.69
Working capital	267,777	65,679	286,085	376,313	161,784	385,346
Change in working capital	36,803	-470	44,779	58,156	25,116	40,801
Working capital to gross inc	34.8 %	26.9 %	34.1 %	40.1 %	23.7 %	38.1 %
Term debt coverage ratio	2.25	2.54	2.53	2.50	1.33	2.25
Replacement coverage ratio Term debt to EBITDA	1.57 1.87	2.36 1.86	1.69 1.64	1.75 2.12	1.07 2.89	1.40 1.12
Calvanay (and of year of cost)						
Solvency (end of year at cost)	60	10	15	16	11	10
Number of farms	62	10	15	16	11	10
Total liabilities	2,463,921	524,781	2,291,599	3,443,824	1,914,143	3,698,455
Total liabilities	914,759	311,555	965,954	1,190,767	929,872	982,935
Net worth	1,549,162	213,226	1,325,644	2,253,057	984,271	2,715,520
Net worth change	128,466 41 %	46,496 59 %	124,940 43 %	237,279 39 %	33,666 57 %	145,904
Farm debt to asset ratio Total debt to asset ratio	37 %	59 % 59 %	43 % 42 %	35 %	49 %	29 % 27 %
Change in earned net worth %	9 %	28 %	10 %	12 %	49 %	6 %
Nonfarm Information						
Net nonfarm income	41,263	35,682	23,160	72,267	22,374	45,170
Farms reporting living expenses	31	4	6	5	8	8
Total family living expense	75,759	_	74,032	81,318	66,234	85,895
Total living, invest, cap. purch	115,601	-	92,158	156,793	74,915	128,389
Crop Acres						
Total crop acres	2,377	784	2,519	2,758	2,402	3,120
Total crop acres owned	575	18	278	712	672	1,253
Total crop acres cash rented	1,565	701	1,669	1,882	1,616	1,711
Total crop acres share rented	236	64	572	164	114	156
Machinery value per crop acre	266	121	281	261	209	338

Financial Summary North Dakota Farm Business Managment Education Program Bottineau - Minot - Rugby, 2018 (Farms Sorted By Farm Type)

	Avg. Of All Farms	Crop	Beef	Crop and Beef
Number of farms	62	44	7	9
Income Statement				
Gross cash farm income	686,006	808,909	229,278	361,110
Total cash farm expense	567,783	673,119	156,810	299,276
Net cash farm income	118,223	135,790	72,469	61,834
Inventory change	81,956	104,930	-10,445	30,580
Depreciation	-55,554	-65,332	-15,080	-28,447
Net farm income from operations	144,626	175,388	46,944	63,967
Gain or loss on capital sales	724	-1,385	182	-8,040
Average net farm income	145,350	174,003	47,126	55,928
Median net farm income	79,614	98,827	-3,683	73,213
Profitability (cost)				
Rate of return on assets	6.1 %	6.5 %	3.0 %	4.3 %
Rate of return on equity	7.4 %	7.8 %	2.8 %	4.2 %
Operating profit margin	15.9 %	16.2 %	14.5 %	14.3 %
Asset turnover rate	38.6 %	40.0 %	20.7 %	30.0 %
Liquidity & Repayment (end of year)				
Current assets	627,068	759,860	215,436	316,131
Current liabilities	359,291	419,663	80,053	251,446
Current ratio	1.75	1.81	2.69	1.26
Working capital	267,777	340,197	135,382	64,685
Change in working capital	36,803	43,245 37.2 %	-9,410	55,286
Working capital to gross inc Term debt coverage ratio	34.8 % 2.25	2.43	59.6 % 1.82	16.4 % 1.40
Replacement coverage ratio	1.57	1.63	1.53	1.28
Term debt to EBITDA	1.87	1.67	2.50	2.95
Solvency (end of year at cost)				
Number of farms	62	44	7	9
Total assets	2,463,921	2,893,048	1,100,135	1,453,378
Total liabilities	914,759	1,011,841	317,749	715,724
Net worth	1,549,162	1,881,208	782,385	737,654
Net worth change	128,466	158,058	54,279	35,334
Farm debt to asset ratio	41 %	39 %	29 %	52 %
Total debt to asset ratio	37 %	35 %	29 %	49 %
Change in earned net worth %	9 %	9 %	7 %	5 %
Nonfarm Information				
Net nonfarm income	41,263	48,047	38,270	17,697
Farms reporting living expenses	31	23	2	5
Total family living expense	75,759	86,168	-	49,618
Total living, invest, cap. purch	115,601	138,791	-	53,459
Crop Acres	0.2			
Total crop acres	2,377	2,815	758	1,374
Total crop acres owned	575	612	371	556
Total crop acres cash rented	1,565	1,912	381	617
Total crop acres share rented	236	291	6	201
Machinery value per crop acre	266	269	283	216

Crop Enterprise Analysis

Barley 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 Gross return per acre	189.05 67.19 100.00 4.37 293.36 13.36 306.72
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	17.30 54.97 41.69 18.37 15.05 30.02 5.20 4.79 5.82 2.34 195.54 111.18
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	7.65 1.03 6.66 4.69 5.34 0.67 34.39 26.65 6.19 93.26 288.80 17.92
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	26.30 44.21 22.65 21.56
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.91 4.30 3.71 4.05
Net value per unit Machinery cost per acre Est. labor hours per acre	4.37 83.95 1.20

Barley on Cash Rent

	Avg. Of <u>All Farms</u>
Number of farms	7
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Crop insurance per acre Gross return per acre	198.83 64.92 100.00 4.23 274.52 10.46 284.99
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	22.52 38.33 35.89 13.93 12.66 30.74 2.26 47.41 0.82 4.09 2.44 211.09 73.90
Overhead Expenses Custom hire Hired labor Machinery leases Building leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	1.20 9.21 1.27 0.21 4.11 4.55 1.03 2.38 28.25 5.01 57.23 268.32 16.66
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	16.16 32.82 24.01 8.81
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.25 4.13 3.72 4.09
Net value per unit Machinery cost per acre Est. labor hours per acre	4.23 76.02 1.19

Canola on Owned Land

	Avg. Of <u>All Farms</u>
Number of farms	16
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	184.33 17.59 100.00 15.91 0.85 280.71 7.96 0.58 289.25
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	55.63 43.13 32.67 15.60 13.48 21.30 5.73 0.18 3.48 2.44 193.64 95.61
Overhead Expenses Custom hire Hired labor Machinery leases Building leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	0.81 9.03 1.28 0.61 6.78 4.87 3.50 1.04 18.27 22.17 2.94 71.32 264.96 24.29
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	20.95 45.24 19.78 25.46
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	11.01 15.07 13.34 14.47
Net value per unit Machinery cost per acre Est. labor hours per acre	15.91 64.21 1.22

Canola on Cash Rent

	Avg. Of All Farms
Number of farms	19
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	460.16 18.48 100.00 15.48 286.01 4.61 0.55 291.17
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	57.81 50.47 27.10 16.46 12.23 22.11 4.28 48.47 0.09 4.67 2.62 246.31 44.86
Overhead Expenses Custom hire Hired labor Machinery leases Building leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	0.96 7.22 2.76 1.08 3.66 2.26 1.15 3.76 22.87 2.48 48.20 294.52 -3.35
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	19.29 15.94 21.34 -5.40
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	13.33 15.94 14.62 15.77
Net value per unit Machinery cost per acre Est. labor hours per acre	15.48 67.25 1.10

Canola on Share Rent

	Avg. Of All Farms
Number of farms	5
Acres Yield per acre (cwt.) Operators share of yield % Value per cwt. Total product return per acre Gross return per acre	97.46 18.34 74.59 16.19 221.53 221.53
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	65.48 43.38 28.01 7.63 12.44 28.52 2.20 1.61 0.55 189.80 31.72
Overhead Expenses Custom hire Hired labor Machinery leases Building leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	1.94 7.01 5.39 0.24 2.88 1.36 0.97 2.00 19.55 1.81 43.14 232.94 -11.41
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	19.56 8.14 20.47 -12.33
Cost of Production Total direct expense per cwt. Total dir & ovhd exp per cwt. Less govt & other income With labor & management	13.87 17.02 15.60 17.09
Net value per unit Machinery cost per acre Est. labor hours per acre	16.19 70.29 1.41

Corn on Owned Land

	Avg. Of <u>All Farms</u>
Number of farms	12
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	181.02 108.80 100.00 3.19 347.06 17.10 11.19 0.61 375.96
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	77.94 70.92 29.49 16.02 23.40 47.72 2.24 0.71 8.18 1.49 278.12 97.84
Overhead Expenses Custom hire Hired labor Machinery leases Building leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	0.74 23.23 2.22 0.93 8.40 6.52 6.24 0.98 33.83 50.80 5.66 139.56 417.68 -41.72
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	23.45 -18.28 39.78 -58.05
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.56 3.84 3.36 3.72
Net value per unit Machinery cost per acre Est. labor hours per acre	3.35 121.13 2.34

Corn on Cash Rent

	Avg. Of <u>All Farms</u>
Number of farms	10
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	220.70 98.25 100.00 3.42 336.33 7.04 15.99 0.35 359.72
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Fuel & oil Repairs Custom hire Land rent Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	84.10 70.13 27.99 15.53 1.54 19.21 44.57 1.35 44.30 0.53 4.61 4.00 317.85 41.87
Overhead Expenses Custom hire Hired labor Machinery leases Building leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	0.51 12.67 0.84 0.81 4.18 4.20 1.29 2.15 43.36 3.50 73.51 391.36 -31.64
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	20.50 -11.14 37.23 -48.37
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.24 3.98 3.54 3.92
Net value per unit Machinery cost per acre Est. labor hours per acre	3.49 108.23 1.67

Corn Silage on Owned Land

	Avg. Of <u>All Farms</u>
Number of farms	8
Acres Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Gross return per acre	74.83 15.16 100.00 26.07 395.26 395.26
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	77.35 45.24 15.56 11.93 26.25 41.87 59.44 8.51 0.32 286.46 108.80
Overhead Expenses Custom hire Hired labor Machinery leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	0.90 5.86 1.37 4.86 4.39 2.32 1.62 17.15 38.25 2.37 79.10 365.57 29.70
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	28.41 58.11 33.66 24.44
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	18.90 24.12 22.24 24.46
Net value per unit Machinery cost per acre Est. labor hours per acre	26.07 167.97 2.70

CRP on Owned Land

	Avg. Of All Farms
Number of farms	8
Acres Yield per acre (\$) Operators share of yield % Value per \$ Total product return per acre Gross return per acre	106.87 38.35 100.00 1.00 38.35 38.35
Direct Expenses Crop chemicals Repairs Miscellaneous Total direct expenses per acre Return over direct exp per acre	0.31 0.71 0.42 1.44 36.91
Overhead Expenses RE & pers. property taxes Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	6.95 10.45 0.67 0.67 18.76 20.20 18.15
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	18.15 0.57 17.58
Cost of Production Total direct expense per \$ Total dir & ovhd exp per \$ Less govt & other income With labor & management	0.04 0.53 0.53 0.54
Net value per unit Machinery cost per acre Est. labor hours per acre	1.00 1.84 0.04

Hay, Alfalfa on Owned Land

	Avg. Of All Farms
Number of farms	6
Acres Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Gross return per acre	83.53 1.64 100.00 69.15 113.43 113.43
Direct Expenses Seed and plants Fertilizer Fuel & oil Repairs Custom hire Operating interest Total direct expenses per acre Return over direct exp per acre	0.82 5.73 7.74 12.58 0.82 2.62 30.31 83.12
Overhead Expenses Custom hire Hired labor Machinery leases Building leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	0.61 3.41 0.03 0.01 4.79 2.58 2.55 1.77 12.18 8.99 36.91 67.22 46.21
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	46.21 11.58 34.63
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	18.48 40.98 40.98 48.04
Net value per unit Machinery cost per acre Est. labor hours per acre	69.15 32.39 0.98

Hay, Grass on Owned Land

	Avg. Of All Farms
Number of farms	7
Acres	211.73
Yield per acre (ton)	1.14
Operators share of yield %	100.00
Value per ton	38.48
Total product return per acre	43.85
Gross return per acre	43.85
Direct Expenses	
Fuel & oil	6.93
Repairs	14.88
Operating interest	1.14
Total direct expenses per acre	22.95
Return over direct exp per acre	20.90
Overhead Expenses	
Hired labor	0.79
Machinery leases	0.40
RE & pers. property taxes	3.05
Farm insurance Utilities	1.00 1.30
Dues & professional fees	0.49
Interest	7.77
Mach & bldg depreciation	11.95
Miscellaneous	1.30
Total overhead expenses per acre	28.05
Total dir & ovhd expenses per acre	51.00
Net return per acre	-7.15
Government payments	-
Net return with govt pmts	-7.15
Labor & management charge	12.59
Net return over lbr & mgt	-19.75
Cost of Production	
Total direct expense per ton	20.14
Total dir & ovhd exp per ton	44.76
Less govt & other income	44.76
With labor & management	55.81
Net value per unit	38.48
Machinery cost per acre	34.94
Est. labor hours per acre	1.08

Hay, Grass on Cash Rent

	Avg. Of All Farms
Number of farms	11
Acres Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Gross return per acre	201.74 0.96 100.00 39.72 37.99 37.99
Direct Expenses Fuel & oil Repairs Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	7.75 12.91 22.58 2.61 0.98 46.84 -8.85
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	0.39 1.13 0.90 1.49 1.05 0.51 1.26 13.97 0.80 21.49 68.33 -30.34
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	-30.34 12.62 -42.96
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management Net value per unit Machinery cost per acre Est. labor hours per acre	48.98 71.45 71.45 84.65 39.72 36.68 0.96
1 -	

Hay, Mixed Alfalfa/Grass on Owned Land

	Avg. Of All Farms
Number of farms	7
Acres Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Gross return per acre	205.73 1.47 100.00 44.78 65.69 65.69
Direct Expenses Fertilizer Fuel & oil Repairs Custom hire Operating interest Total direct expenses per acre Return over direct exp per acre	0.90 8.50 13.30 6.80 2.00 31.50 34.19
Overhead Expenses Hired labor Machinery leases Building leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	3.20 0.48 0.63 4.56 4.25 2.14 1.26 16.75 12.95 0.05 46.27 77.77 -12.09
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	-12.09 11.50 -23.59
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	21.47 53.01 53.01 60.85
Net value per unit Machinery cost per acre Est. labor hours per acre	44.78 45.76 0.82

Hay, Mixed Alfalfa/Grass on Cash Rent

	Avg. Of All Farms
Number of farms	5
Acres	73.87
Yield per acre (ton)	1.08
Operators share of yield %	100.00
Value per ton	41.94
Total product return per acre	45.10
Gross return per acre	45.10
Direct Expenses	0.04
Fuel & oil	6.94
Repairs Land rent	11.95 12.30
Operating interest	12.30
Total direct expenses per acre	33.09
Return over direct exp per acre	12.02
return over direct exp per dere	12.02
Overhead Expenses	
Custom hire	0.38
Hired labor	1.52
Machinery leases	0.58
Building leases Farm insurance	0.06 3.85
Utilities	2.73
Dues & professional fees	1.15
Interest	3.77
Mach & bldg depreciation	9.62
Total overhead expenses per acre	23.67
Total dir & ovhd expenses per acre	56.76
Net return per acre	-11.66
Government payments	-
Net return with govt pmts	-11.66
Labor & management charge	11.71
Net return over lbr & mgt	-23.37
Cost of Production	
Total direct expense per ton	30.77
Total dir & ovhd exp per ton	52.78
Less govt & other income	52.78
With labor & management	63.67
Net value per unit	41.94
Machinery cost per acre	32.23
Est. labor hours per acre	0.83

Hay, Small Grain on Owned Land

	Avg. Of All Farms
Number of farms	5
Acres Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Gross return per acre	125.50 1.91 100.00 48.97 93.55 93.55
Direct Expenses Seed and plants Fertilizer Crop chemicals Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	18.81 23.66 9.19 7.50 13.09 0.96 2.82 0.90 76.93 16.61
Overhead Expenses Hired labor Machinery leases Building leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	4.85 0.17 0.12 4.73 3.39 2.52 1.64 9.03 12.55 2.51 41.50 118.44 -24.89
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	33.64 8.75 11.44 -2.69
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	40.27 61.99 44.39 50.37
Net value per unit Machinery cost per acre Est. labor hours per acre	48.97 37.16 1.06

Hay, Small Grain on Cash Rent

	Avg. Of All Farms
Number of farms	6
Acres Yield per acre (ton) Operators share of yield % Value per ton Total product return per acre Gross return per acre	62.78 1.93 100.00 55.50 107.09 107.09
Direct Expenses Seed and plants Fertilizer Crop chemicals Fuel & oil Repairs Custom hire Land rent Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	17.87 22.55 11.34 7.97 13.77 3.72 39.23 2.02 0.67 119.14 -12.05
Overhead Expenses Custom hire Hired labor Machinery leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	1.55 2.71 1.80 3.26 3.55 2.34 2.69 8.39 2.97 29.25 148.40 -41.31
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	8.99 -32.32 17.49 -49.81
Cost of Production Total direct expense per ton Total dir & ovhd exp per ton Less govt & other income With labor & management	61.75 76.91 72.25 81.31
Net value per unit Machinery cost per acre Est. labor hours per acre	55.50 39.48 1.45

Pasture on Owned Land

	Avg. Of All Farms
Number of farms	14
Acres	760.62
Yield per acre (aum)	0.88
Operators share of yield %	100.00
Value per aum	15.59
Other product return per acre	0.06 13.75
Total product return per acre	13.75
Gross return per acre	13.75
Direct Expenses Fertilizer	0.32
Repairs	0.70
Miscellaneous	0.75
Total direct expenses per acre	1.77
Return over direct exp per acre	11.98
Overhead Expenses RE & pers. property taxes	2.51
Interest	4.92
Mach & bldg depreciation	0.55
Miscellaneous	0.55
Total overhead expenses per acre	8.53
Total dir & ovhd expenses per acre	10.30
Net return per acre	3.45
Government payments	-
Net return with govt pmts	3.45
Labor & management charge	0.65
Net return over lbr & mgt	2.80
Cost of Production	
Total direct expense per aum	2.02
Total dir & ovhd exp per aum	11.73
Less govt & other income	11.66
With labor & management	12.40
Net value per unit	15.59
Machinery cost per acre	1.84
Est. labor hours per acre	0.06

Pasture on Cash Rent

	Avg. Of All Farms
Number of farms	18
Acres Yield per acre (aum) Operators share of yield % Value per aum Other product return per acre Total product return per acre Gross return per acre	650.71 0.86 100.00 15.83 0.13 13.71 13.71
Direct Expenses Repairs Land rent Miscellaneous Total direct expenses per acre Return over direct exp per acre	0.64 15.63 0.94 17.22 -3.50
Overhead Expenses Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	0.59 0.63 1.22 18.43 -4.72
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	-4.72 0.63 -5.35
Cost of Production Total direct expense per aum Total dir & ovhd exp per aum Less govt & other income With labor & management	20.05 21.47 21.32 22.06
Net value per unit Machinery cost per acre Est. labor hours per acre	15.83 1.78 0.05

Soybeans on Owned Land

	Avg. Of <u>All Farms</u>	Low 20%	40 - 60%	High 20%
Number of farms	26	5	5	6
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre Gross return per acre	276.34 25.99 100.00 8.18 212.61 1.35 45.31 33.42 292.69	193.52 13.93 100.00 8.74 121.78 100.62 22.99 245.39	290.12 25.68 100.00 7.90 202.89 5.86 46.13 40.72 295.60	271.88 33.54 100.00 8.39 281.29 31.53 43.44 356.26
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Fuel & oil Repairs Custom hire Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	67.40 12.16 29.42 15.85 0.13 12.17 21.19 3.85 1.32 4.38 0.90 168.77 123.92	83.88 14.60 40.23 23.86 0.52 13.69 26.39 6.17 - 11.02 0.90 221.25 24.14	64.58 9.60 23.67 14.95 - 15.30 22.18 6.07 0.72 2.69 2.59 162.34 133.26	67.85 7.13 28.24 14.10 10.25 16.29 0.47 0.29 1.65 146.27 209.99
Overhead Expenses Custom hire Hired labor Machinery leases Building leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	0.73 11.13 1.06 0.38 7.55 5.30 3.53 0.98 23.34 28.54 2.44 84.99 253.76 38.93	0.59 7.93 3.06 8.02 4.97 2.64 0.83 30.79 25.64 1.37 85.85 307.10 -61.71	0.30 19.67 0.48 0.68 9.45 10.25 5.94 1.28 16.76 38.91 3.16 106.86 269.21 26.40	0.63 2.57 0.13 0.57 6.76 4.09 3.56 0.52 24.35 37.13 3.26 83.56 229.83 126.43
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	25.94 64.87 21.44 43.43	27.31 -34.40 22.23 -56.64	28.11 54.51 24.91 29.60	25.17 151.60 20.08 131.53
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	6.49 9.76 5.68 6.51	15.88 22.05 11.21 12.81	6.32 10.48 5.78 6.75	4.36 6.85 3.87 4.46
Net value per unit Machinery cost per acre Est. labor hours per acre	8.23 67.91 1.22	8.74 78.80 1.29	8.13 76.83 1.93	8.39 65.13 0.92

Soybeans on Cash Rent

	Avg. Of			
	All Farms	<u>Low 20%</u>	<u>40 - 60%</u>	<u>High 20%</u>
Number of farms	35	7	7	7
Acres	720.58	585.08	1,129.88	571.14
Yield per acre (bu.)	25.32	25.85	24.83	28.89
Operators share of yield % Value per bu.	100.00 8.15	100.00 8.44	100.00 8.34	100.00 7.87
Total product return per acre	206.44	218.23	207.09	227.47
Hedging gains/losses per acre	4.96	-	-	30.65
Crop insurance per acre	52.81	33.84	25.95	87.68
Other crop income per acre	37.13	29.38	35.35	47.61
Gross return per acre	301.34	281.45	268.39	393.40
Direct Expenses				
Seed and plants	68.72	71.17	72.15	66.68
Fertilizer	12.96	22.45	12.39	11.89
Crop chemicals Crop insurance	28.98 16.30	30.00 15.97	27.57 14.74	28.89 15.05
Fuel & oil	11.63	11.47	11.74	11.85
Repairs	23.97	34.54	15.15	22.36
Custom hire	2.80	6.64	1.70	0.05
Land rent	52.06	51.12	50.53	56.50
Machinery leases	4.58	0.55	0.19	0.53
Operating interest	5.56	9.81	4.70	0.96
Miscellaneous	2.21 229.76	1.54 255.27	1.71 212.56	5.98 220.74
Total direct expenses per acre Return over direct exp per acre	71.59	26.18	55.83	172.66
Overhead Expenses				
Custom hire	0.92	0.40	1.33	0.62
Hired labor	7.13	9.28	8.64	5.82
Machinery leases	1.69	1.26	2.04	0.99
Building leases	0.27	0.50	- 0.54	0.56
Farm insurance	3.86 2.67	4.70 3.82	2.51 1.53	4.06 2.82
Utilities Dues & professional fees	1.09	3.62 1.52	0.79	1.28
Interest	3.01	4.72	1.43	2.13
Mach & bldg depreciation	23.40	32.84	14.19	31.41
Miscellaneous	1.92	5.15	0.89	1.69
Total overhead expenses per acre	45.96	64.19	33.36	51.38
Total dir & ovhd expenses per acre	275.71	319.46	245.92	272.12
Net return per acre	25.63	-38.01	22.47	121.28
Government payments	17.17	29.26	10.75	18.16
Net return with govt pmts	42.80	-8.75	33.23	139.44
Labor & management charge	22.60	22.99	19.13	24.71
Net return over lbr & mgt	20.21	-31.74	14.10	114.73
Cost of Production	0.00	0.07	0.50	7.04
Total direct expense per bu.	9.08	9.87	8.56	7.64
Total dir & ovhd exp per bu. Less govt & other income	10.89 6.46	12.36 8.78	9.90 7.00	9.42 3.05
With labor & management	7.36	9.67	7.00 7.77	3.90
· ·				
Net value per unit	8.35	8.44	8.34	8.93
Machinery cost per acre	70.61 0.99	90.84	46.66	66.84
Est. labor hours per acre	0.99	1.14	0.91	1.03

Soybeans on Share Rent

	Avg. Of All Farms
Number of farms	10
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	316.94 31.30 72.86 7.99 182.21 0.87 28.45 35.18 246.71
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Fuel & oil Repairs Custom hire Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	64.83 9.66 30.20 11.70 0.06 11.22 19.73 2.43 0.24 2.36 1.14 153.56 93.15
Overhead Expenses Custom hire Hired labor Machinery leases Building leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	0.85 3.10 3.80 1.09 3.88 3.22 0.55 2.23 30.54 3.26 52.52 206.09 40.62
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	16.89 57.51 21.29 36.22
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	6.73 9.04 5.47 6.40
Net value per unit Machinery cost per acre Est. labor hours per acre	8.03 69.36 0.86

Wheat, Spring on Owned Land

	Avg. Of All Farms	<u>Low 20%</u>	40 - 60%	<u> </u>
Number of farms	25	5	5	5
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	283.71 59.20 100.00 5.26 0.54 312.02 0.72 3.10 13.35 329.19	136.16 50.49 100.00 5.01 0.46 253.57 - 17.29 7.07 277.93	421.76 60.47 100.00 5.38 325.23 0.95 4.86 9.19 340.22	270.15 68.13 100.00 5.25 2.12 359.46 2.29 - 20.72 382.47
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Fuel & oil Repairs Custom hire Machinery leases Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	19.37	19.93	19.66	17.67
	49.56	51.83	52.53	52.57
	37.66	39.91	38.08	38.28
	18.28	23.61	18.70	13.29
	0.32	-	0.83	-
	11.41	11.70	11.25	10.25
	22.88	33.41	28.25	16.83
	4.57	7.94	3.38	4.22
	1.02	10.60	-	-
	4.86	7.18	6.60	3.51
	2.12	1.18	1.81	1.58
	172.05	207.28	181.09	158.20
	157.14	70.66	159.13	224.27
Overhead Expenses Custom hire Hired labor Machinery leases Building leases RE & pers. property taxes Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	0.68	0.61	0.89	0.01
	8.93	4.30	19.33	0.61
	1.02	3.74	0.04	1.76
	0.51	-	0.79	1.45
	7.49	6.09	8.47	7.05
	4.90	5.68	7.64	3.85
	3.00	4.54	4.06	2.99
	0.84	1.17	1.12	0.47
	18.40	43.95	15.00	12.49
	27.24	22.53	39.17	31.99
	1.80	3.74	1.70	2.14
	74.80	96.34	98.20	64.81
	246.85	303.61	279.30	223.01
	82.34	-25.68	60.92	159.47
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	22.10	21.09	30.04	21.26
	104.43	-4.59	90.96	180.73
	22.14	24.91	23.56	23.20
	82.29	-29.50	67.40	157.53
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	2.91	4.11	2.99	2.32
	4.17	6.01	4.62	3.27
	3.50	5.10	3.87	2.59
	3.87	5.60	4.26	2.93
Net value per unit	5.27	5.01	5.39	5.28
Machinery cost per acre	68.49	91.70	78.69	66.27
Est. labor hours per acre	1.29	1.46	1.54	1.02

Wheat, Spring on Cash Rent

	Avg. Of All Farms	<u>Low 20%</u>	<u>40 - 60%</u>	<u> High 20%</u>
Number of farms	34	6	7	7
Acres Yield per acre (bu.) Operators share of yield % Value per bu. Other product return per acre	833.17 57.27 100.00 5.26 0.06	804.19 51.66 100.00 5.39	878.07 57.54 100.00 5.18	729.44 63.95 100.00 5.18
Total product return per acre Hedging gains/losses per acre Crop insurance per acre Other crop income per acre	301.21 1.98 5.55 12.02	278.23 - 17.29 8.42	298.22 4.89 1.08 11.94	331.54 1.62 12.82
Gross return per acre	320.76	303.94	316.13	345.98
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Drying expense Fuel & oil	17.58	24.99	15.05	13.89
	53.63	56.13	54.56	48.31
	36.88	42.92	32.89	34.13
	17.39	22.10	14.48	13.44
	0.24	1.15	-	-
	11.32	11.45	8.67	11.49
Repairs Custom hire Land rent Machinery leases Operating interest	22.70	37.76	17.96	16.71
	4.75	8.06	5.85	1.67
	49.58	47.49	51.53	47.50
	1.78	0.76	-	-
	5.44	12.83	2.34	4.15
Miscellaneous Total direct expenses per acre Return over direct exp per acre Overhead Expenses	3.07	2.53	3.58	2.95
	224.35	268.15	206.92	194.25
	96.41	35.78	109.21	151.73
Custom hire Hired labor Machinery leases Building leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	1.06 7.19 1.98 0.60 3.71 2.53 1.21 3.35 22.40 1.97 46.01 270.36 50.40	0.64 6.93 2.13 4.83 3.28 0.98 5.32 31.68 2.88 58.67 326.82 -22.88	1.88 9.95 2.59 1.14 3.40 2.30 1.44 2.64 21.58 1.33 48.26 255.18 60.95	0.44 5.33 4.04 0.91 2.95 2.89 0.42 1.31 10.00 1.90 30.20 224.45 121.53
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	16.59	20.39	17.66	15.47
	66.99	-2.49	78.61	137.00
	22.46	22.41	23.69	21.32
	44.53	-24.90	54.92	115.68
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.92	5.19	3.60	3.04
	4.72	6.33	4.43	3.51
	4.09	5.43	3.82	3.04
	4.48	5.87	4.23	3.38
Net value per unit	5.29	5.39	5.27	5.21
Machinery cost per acre	67.70	97.10	57.73	44.86
Est. labor hours per acre	1.06	1.18	1.16	0.74

Wheat, Spring on Share Rent

	Avg. Of All Farms
Number of farms	11
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 Other crop income per acre Gross return per acre	372.79 61.42 73.39 5.28 0.20 238.14 0.68 7.07 245.89
Direct Expenses Seed and plants Fertilizer Crop chemicals Crop insurance Fuel & oil Repairs Custom hire Operating interest Miscellaneous Total direct expenses per acre Return over direct exp per acre	13.77 51.79 38.75 11.55 12.08 22.56 6.64 1.73 1.48 160.36 85.53
Overhead Expenses Custom hire Hired labor Machinery leases Building leases Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses per acre Total dir & ovhd expenses per acre Net return per acre	0.80 2.89 5.92 1.18 3.57 2.50 0.60 2.29 25.48 3.29 48.53 208.89 37.01
Government payments Net return with govt pmts Labor & management charge Net return over lbr & mgt	18.72 55.72 21.12 34.60
Cost of Production Total direct expense per bu. Total dir & ovhd exp per bu. Less govt & other income With labor & management	3.56 4.63 4.04 4.51
Net value per unit Machinery cost per acre Est. labor hours per acre	5.29 74.64 0.98

Livestock Enterprise Analysis

Beef Cow-Calf -- Average Per Cwt. Produced

	Avg All Fa	. Of arms
Number of farms		15
Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) HedgeAcctIncome	Quantity 36.76 52.99	Value 58.49 79.00 19.29
LvstInsIncome LvstGovtPayments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	-0.02 - 10.27	5.27 0.33 -11.41 -29.13 19.97 141.81
Direct Expenses Protein Vit Minerals (lb.) Creep / Starter (lb.) Barley (bu.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Marketing Operating interest Total direct expenses Return over direct expense	7.70 21.83 0.08 0.54 588.25 149.42 1,010.91 1.24 168.01	2.46 2.44 0.24 1.72 7.34 4.80 20.57 19.59 2.65 6.63 2.76 5.51 10.62 0.75 2.33 90.39 51.42
Overhead Expenses Hired labor Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		2.09 2.39 2.89 0.96 1.12 6.31 1.50 17.26 107.66 34.16
Labor & management charge Net return over lbr & mgt		15.02 19.14
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		90.39 107.66 120.14 135.15
Est. labor hours per unit		1.20
Other Information Number of cows Pregnancy percentage Pregnancy loss percentage Culling percentage Calving percentage Weaning percentage Calves sold per cow Calf death loss percent Cow death loss percent Cows per FTE Average weaning weight Lb. weaned/exposed female Feed cost per cow Avg wgt/ Beef Calves sold		134.2 94.7 3.8 13.3 91.1 86.3 0.85 5.6 1.6 419.0 577 498 345.41 604

Beef Cow-Calf -- Average Per Cwt. Produced

	Avg. Of <u>All Farms</u>	
Number of farms		15
Avg price / cwt.	Quantity	Value 159.08

Beef Cow-Calf -- Average Per Cow

	Avg. Of All Farms	
Number of farms		15
Beef Calves sold (lb) Transferred out (lb) Cull sales (lb) HedgeAcctIncome	Quantity 205.5 296.1	Value 326.85 441.47 107.81
LvstInsIncome LvstGovtPayments Other income Purchased (lb) Transferred in (lb) Inventory change (lb) Gross margin	-0.1 - 57.4	29.47 1.85 -63.75 -162.79 111.61 792.53
Direct Expenses Protein Vit Minerals (lb.) Creep / Starter (lb.) Barley (bu.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Marketing Operating interest Total direct expenses Return over direct expense	43.0 122.0 0.4 3.0 3,287.5 835.1 5,649.5 7.0 938.9	13.75 13.65 1.34 9.59 41.00 26.83 114.97 109.46 14.82 37.04 15.40 30.78 59.36 4.18 13.02 505.17 287.36
Overhead Expenses Hired labor Farm insurance Utilities Dues & professional fees Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		11.70 13.37 16.17 5.36 6.28 35.25 8.36 96.48 601.65 190.88
Labor & management charge Net return over lbr & mgt		83.92 106.96
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		90.39 107.66 120.14 135.15
Est. labor hours per unit		6.68
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		134.2 94.7 3.8 13.3 91.1 86.3 0.85 5.6 1.6 419.0 577 498 345.41 604

Beef Cow-Calf -- Average Per Cow

	Avg. Of <u>All Farms</u>	
Number of farms		15
Avg price / cwt.	Quantity	Value 159.08

Beef Replacement Heifers -- Average Per Head

	Avg. All Fai	
Number of farms		6
Beef Replace sold (hd) Transferred out (hd) Cull sales (hd) HedgeAcctIncome LvstInsIncome	Quantity 0.24 0.89 0.02	Value 363.57 1,150.16 27.89
LvstGovtPayments Other income		10.12
Purchased (hd) Transferred in (hd) Inventory change (hd) Gross margin	0.03 0.90 -0.25	-34.64 -899.19 -210.11 407.80
Pirect Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Barley (bu.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Alfalfa (lb.) Pasture (aum) Straw (lb.) Cover crop forage (aum) Other feed stuffs (lb) Breeding fees Veterinary Supplies Fuel & oil Repairs Custom hire Operating interest Total direct expenses Return over direct expense	72.93 9.12 2.20 12.05 2,550.64 1,159.54 3,326.51 4.21 218.80 0.26 25.69	14.51 1.05 6.50 38.04 29.49 43.97 67.68 65.40 2.19 3.91 1.63 2.10 26.45 5.60 3.64 7.38 1.31 1.68 322.55 85.25
Overhead Expenses Farm insurance Utilities Interest Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		2.18 2.55 0.82 3.60 3.77 12.92 335.47 72.33
Labor & management charge Net return over lbr & mgt		9.93 62.40
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		1,264.94 1,276.29 1,267.39 1,276.13
Est. labor hours per unit		0.79
Other Information No. purchased or trans in Number sold or trans out Average number of head Percentage death loss Feed cost per average head Hired labor per average head Feed cost/head sold/trans Total cost/head sold/trans Feed cost per head per day Avg. purch price / head Avg. wgt / Beef Replace sold Avg. sales price / head		34 42 37 274.38 1.64 241.26 1,276.13 0.75 1,266.67 149 1,490.86

Beef Replacement Heifers -- Average Per Head Sold/Trans

	Avg. Of All Farms	
Number of farms		6
Beef Replace sold (hd) Transferred out (hd) Cull sales (hd) HedgeAcctIncome	Quantity 0.2 0.8 0.0	Value 319.68 1,011.31 24.53
LvstInsIncome LvstGovtPayments Other income		8.90
Purchased (hd) Transferred in (hd) Inventory change (hd) Gross margin	0.0 0.8 -0.2	-30.46 -790.64 -184.75 358.57
Direct Expenses Protein Vit Minerals (lb.) Complete Ration (lb.) Barley (bu.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Pasture (aum) Straw (lb.) Cover crop forage (aum) Other feed stuffs (lb) Breeding fees Veterinary Supplies Fuel & oil Repairs Custom hire Operating interest Total direct expenses Return over direct expense	64.1 8.0 1.9 10.6 2,242.7 1,019.6 2,924.9 3.7 192.4 0.2 22.6	12.76 0.92 5.72 33.45 25.93 38.66 59.51 57.50 1.92 3.44 1.44 1.84 23.26 4.93 3.20 6.49 1.15 1.47 283.61 74.96
Overhead Expenses Farm insurance Utilities Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		1.92 2.24 3.16 4.03 11.36 294.97 63.60
Labor & management charge Net return over lbr & mgt		8.73 54.87
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		1,264.94 1,276.29 1,267.39 1,276.13
Est. labor hours per unit		0.69
Other Information No. purchased or trans in Number sold or trans out Average number of head Percentage death loss Feed cost per average head Hired labor per average head Feed cost/head sold/trans Total cost/head sold/trans Feed cost per head per day Avg. purch price / head Avg. wgt / Beef Replace sold Avg. sales price / head		34 42 37 2.0 274.38 1.64 241.26 1,276.13 0.75 1,266.67 149 1,490.86

Beef Backgrounding -- Average Per Cwt. Produced

	Avg. AII Fa	
Number of farms		10
Backgnd Beef sold (lb) Transferred out (lb) HedgeAcctIncome LvstInsIncome LvstGovtPayments	Quantity 345.87 44.76	Value 506.60 61.20
Other income Transferred in (lb) Inventory change (lb) Gross margin	-263.33 -27.30	-389.40 -59.42 118.99
Direct Expenses Protein Vit Minerals (lb.) Creep / Starter (lb.) Complete Ration (lb.) Barley (bu.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Oats (bu.) Other feed stuffs (lb) Veterinary Supplies Fuel & oil Repairs Hired labor Marketing Operating interest Total direct expenses Return over direct expense	10.28 13.08 1,064.35 0.68 2.24 319.74 132.21 601.16 0.82 12.57	2.54 1.24 13.16 2.00 6.84 4.09 4.77 14.27 1.87 0.34 4.58 1.12 0.83 2.95 0.63 0.43 0.62 62.27 56.72
Overhead Expenses Hired labor Farm insurance Utilities Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		0.18 1.04 1.20 1.98 1.02 5.43 67.69 51.29
Labor & management charge Net return over lbr & mgt		7.64 43.65
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		130.83 132.22 132.22 134.18
Est. labor hours per unit		0.43
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 Avg wgt / Backgnd Beef sold Avg sales price / cwt.		70 78 0.4 1.22 12.72 21.25 51.12 70.77 1.13 689 146.47

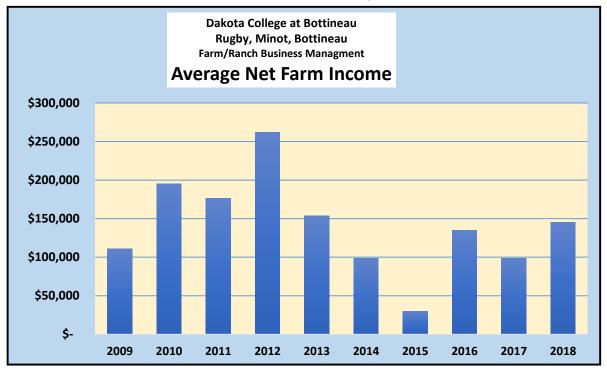
Beef Backgrounding -- Average Per Head

	Avg. Of All Farms	
Number of farms		10
Backgnd Beef sold (lb) Transferred out (lb) HedgeAcctIncome LvstInsIncome LvstGovtPayments Other income	Quantity 478.8 62.0	Value 701.35 84.73 - -
Transferred in (lb) Inventory change (lb) Gross margin	-364.6 -37.8	-539.09 -82.26 164.73
Direct Expenses Protein Vit Minerals (lb.) Creep / Starter (lb.) Complete Ration (lb.) Barley (bu.) Corn (bu.) Corn Silage (lb.) Hay, Alfalfa (lb.) Hay, Grass (lb.) Oats (bu.) Straw (lb.) Veterinary Supplies Fuel & oil Repairs Marketing Operating interest Total direct expenses Return over direct expense	14.2 18.1 1,473.5 0.9 3.1 442.7 183.0 832.3 1.1 17.4	3.52 1.72 18.22 2.77 9.47 5.66 6.61 19.76 2.59 0.47 6.34 2.43 1.14 4.08 0.60 0.85 86.20 78.53
Overhead Expenses Hired labor Farm insurance Utilities Mach & bldg depreciation Miscellaneous Total overhead expenses Total dir & ovhd expenses Net return		0.25 1.44 1.67 2.74 1.41 7.52 93.72 71.01
Labor & management charge Net return over lbr & mgt		10.58 60.43
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		130.83 132.22 132.22 134.18
Est. labor hours per unit		0.60
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 Avg wgt / Backgnd Beef sold Avg sales price / cwt.		70 78 0.4 1.22 12.72 21.25 51.12 70.77 1.13 689 146.47

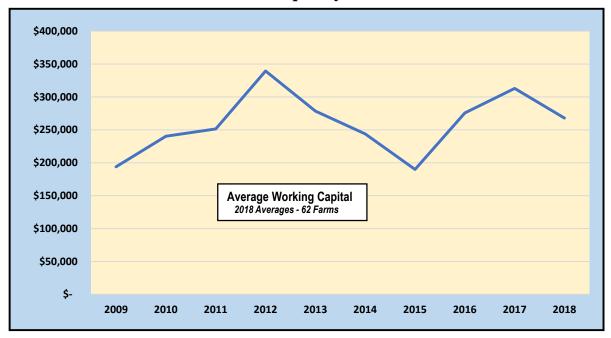
Graphs

Dakota College at Bottineau-Farm Business Management Rugby, Minot, & Bottineau - 2018 Averages Report

Farm Profitability



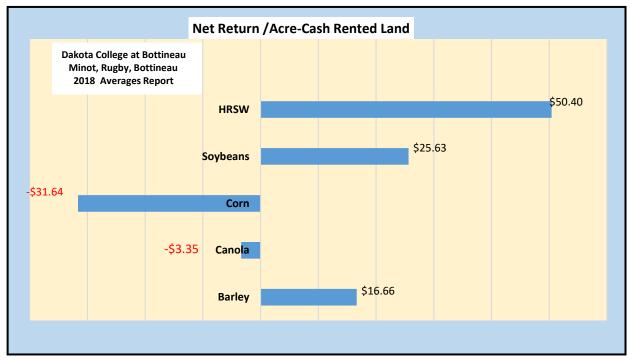
Liquidity



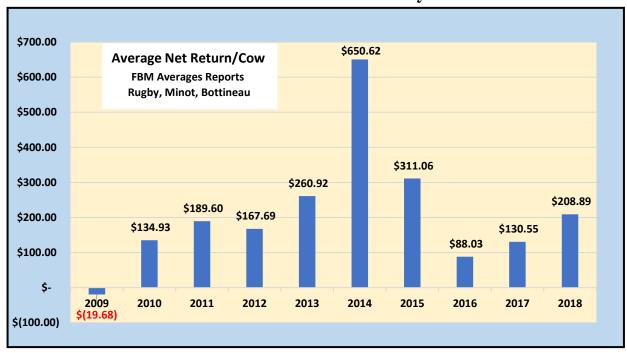
Page 53

Dakota College at Bottinea - Farm Business Management Rugby, Minot, Bottineau - 2018 Averages Report

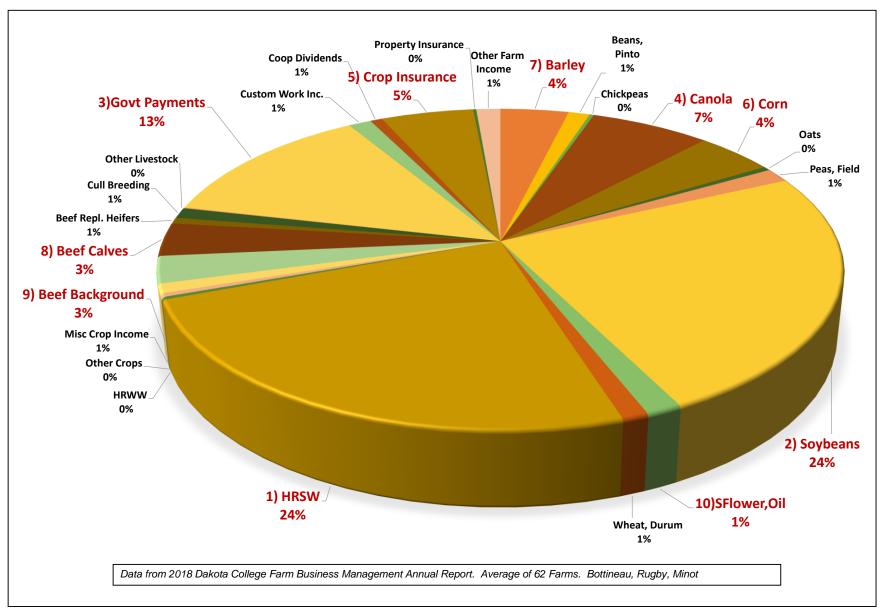
Crop Comparison



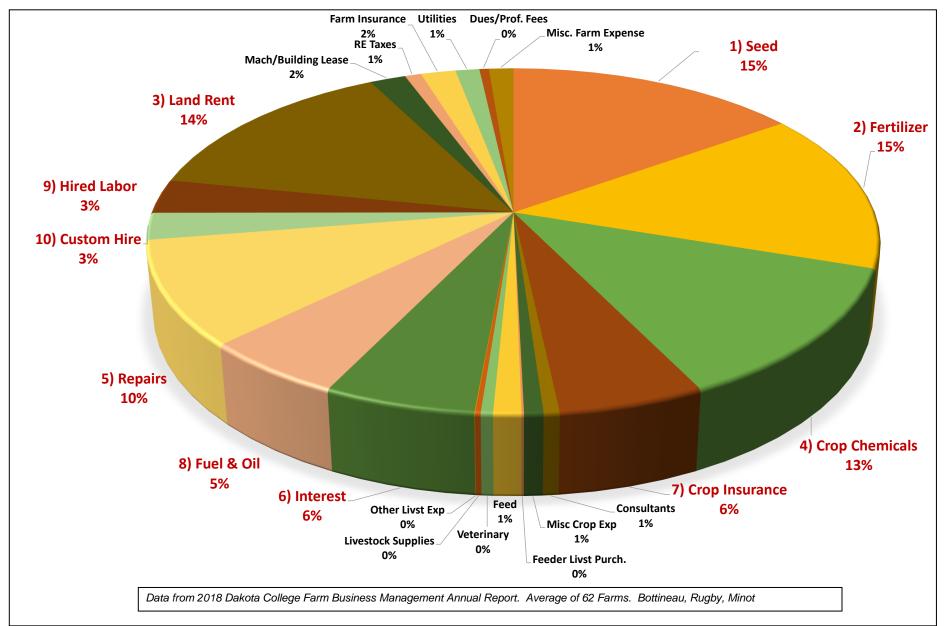
Beef Cow/Calf Profitability



2018 DCB Farm Business Management Average Gross Cash Income

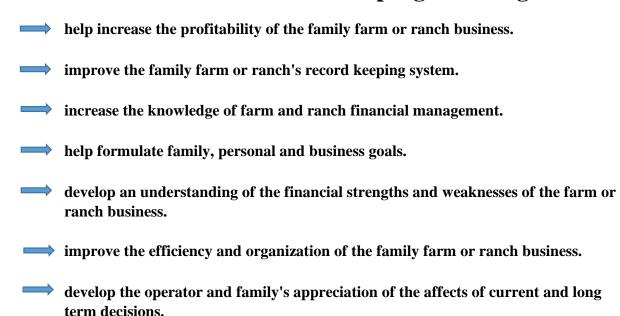


2018 DCB Farm Business Management Average Cash Farm Expenses



What is the Dakota College at Bottineau Farm and Ranch Business Management Education Program?

It is an instructional program designed to:



The instructional sessions are individualized and are conducted in the privacy of the enrollee's home or the Farm and Ranch Business Management Education Program office.

The Farm and Ranch Business Management Education Program keeps the producer's information strictly Confidental.

It is the Farm and Ranch Business Management Education Program instructors responsibility to provide education, information and assistance to the producer in making management decisions.

If you would like additional information about the Farm and Ranch Business Management Education Program or would like to enroll in the program you can contact the instructors at any of the locations by the following means:

Rodney Armstrong at Bottineau Office Phone: (701) 228-5481

email: rodney.armstrong@dakotacollege.edu Address: 105 Simrall Boulevard, Bottineau, ND 58318 Lynsey Aberle at Minot
Office Phone: (701) 857-7660
email: lynsey.aberle@dakotacollege.edu
Address: 5400 Hwy 83 S, Minot, ND 58701

Sheila Braaten at Rugby Office Phone: (701) 776-5095

email: sheila.braaten@dakotacollege.edu Address: 1123 South Main, Rugby, ND 58368