## **Executive Summary Edition**

2008

**Farm** 

**Analysis** 

Report of

**Moorhead** 

This is the 33rd edition of this report published by the Northland College-Moorhead Mn. Farm Business Management Department. The original numbers for this report came from records kept by each farm family enrolled in the farm management education program provided by Northland Community and Technical College, Thief River Falls, Mn.

In 2008, 79 farms, located mainly in western Clay and Norman counties, Minnesota, were included in the averages. The average farmer was 44.5 years old with 22.6 years of farming experience. Farms averaged 1663 acres per operator with 332 acres of that owned. Sugarbeets provided the largest gross dollar amount per farm (\$234,091), with soybeans (\$210,636) and wheat (\$176,003) ranking 2nd and 3rd. Corn was 4th (\$148,152), but much of the 2008 crop is still in inventory. The largest single expense was fertilizer per farm (\$144,486) A large amount of this fertilizer expense is for the 2009 crop. Land rent (\$121,685) came in 2nd, almost \$9,000 higher than last year per farm. Seed (\$80,893) and chemicals (\$73,431) were next.

Information about our Farm Business Management program and other financial reports can be found at our website: **www.NorthlandFBM-Moorhead.com** 

COLLEGE

For more information contact:

Rick Morgan & Greg Tullis
Farm Bus. Mgt. Instructors
NCTC-Moorhead Minnesota
(218) 299-5827 or (218) 299-5863
Rick.Morgan@northlandcollege.edu
Greg.Tullis@northlandcollege.edu

Sugarbeets Soybeans Wheat Corn Other Grains Government Pymts Remaining Farm Income  otal Cash Farm Income  Fertilizer Land Rent Seed Chemicals	\$18,493,189 \$16,640,244 \$13,904,237 \$11,704,008 \$3,932,699 \$2,602,418 \$8,430,406 \$11,414,394 \$9,613,115 \$6,390,547 \$5,801,049	(organic = \$1,222,130) \$75,707,201	
Wheat Corn Other Grains Government Pymts Remaining Farm Income otal Cash Farm Income Fertilizer Land Rent Seed	\$13,904,237 \$11,704,008 \$3,932,699 \$2,602,418 \$8,430,406 \$11,414,394 \$9,613,115 \$6,390,547		
Other Grains Government Pymts Remaining Farm Income  otal Cash Farm Income  Fertilizer Land Rent Seed	\$3,932,699 \$2,602,418 \$8,430,406 \$11,414,394 \$9,613,115 \$6,390,547		
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Remaining Farm Income  otal Cash Farm Income  Fertilizer  Land Rent Seed	\$8,430,406 \$11,414,394 \$9,613,115 \$6,390,547	\$75,707,201	
Fertilizer Land Rent Seed	\$9,613,115 \$6,390,547	\$75,707,201	
Land Rent Seed	\$9,613,115 \$6,390,547		
Seed	\$6,390,547		
Chemicals			
Chemicais	φο,σοι,σισ		
Fuel	\$4,875,643		
Repairs	\$4,658,156		
Interest	\$3,417,303		
Remaining Farm Expenses	\$14,538,607		
otal Farm Expense		(\$60,708,814)	
Net Nonfarm Income  Apparent Family Living		\$1,272,611 (\$5,849,160)	
Income & SS Tax Paid		(\$1,656,709)	
ash From Operating Activit	ies		\$8,765,129
Sale of Machinery	\$1,195,586		
Sale of Farm Land	\$315,131		
Sale of Other Farm Assets Sale of Nonfarm Assets	\$1,720,936 \$578,201		
otal Sales of Assets		\$3,809,854	
Purchase of Machinery	(\$9,061,142)		
Purchase of Farm Land	(\$3,121,132)		
Pur of Farm Buildings	(\$2,394,411)		
Pur of Other Farm Assets	(\$1,615,234)		
Pur of Nonfarm Assets	(\$2,834,204)		
otal Purchase of Assets		(\$19,026,123)	

Money Borrowed \$45,463,947 (\$36,956,595) **Principal Payments** \$199,791 Gifts & Inheritances

## **Cash From Financing Activities**

\$8,707,143

\$2,256,003

Net change in cash balance:

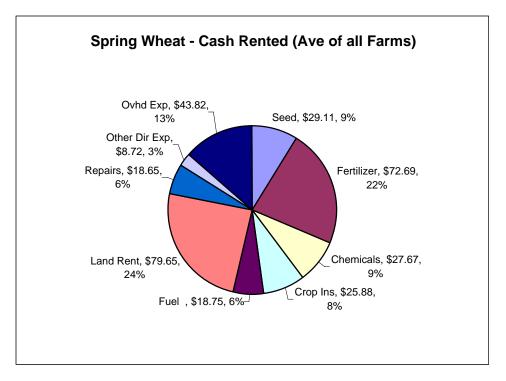
**Inventory Gain:** \$10,016,410

## Farm Financial Scorecard

Liquidity	This Year	5-Year Ave	Strong	Vulnerable
			2.0	1.0
Current ratio	1.77	1.54		
Working capital	\$325,196	\$185,420		
			33%	15%
Working cap to Gross Revenue	30.9%	22.9%		
Solvency (market)	Note: These solve	i ency ratios includ	le deferred liabilities	
			30%	70%
Farm debt/asset ratio	38%	45%		
Farm equity/asset ratio	62%	55%	70%	30%
Farm equity/asset ratio	0270	3370	43%	233%
Farm debt/equity ratio	61%	84%		
<b>7. 8. 134</b> . ( <b>9.</b> 1)			-	
Profitability (Cost)				
Net farm income	\$273,310	\$174,297		
			8%	3%
Rate of return on farm assets	13.3%	10.0%	150/	50/
Rate of return on farm equity	18.9%	13.1%	15%	5%
Rate of Teturn on Tarin equity	10.770	13.170	25%	10%
Operating profit margin	23.9%	18.3%		
			-	
Repayment Capacity (Accrual)			1.50	1.10
Term-debt coverage ratio	2.95	1.92	1.50	1.10
C				
Capital-replacement margin	\$170,611	\$81,409		
Financial Efficiency				
Asset-turnover rate (market)	55.8%	52.5%	Can vary depending of	• •
Operating-expense ratio	66.0%	71.2%	65%	80%
Operating-expense ratio	00.070	/1.270	5%	11%
Depreciation-expense ratio	4.1%	3.5%		
			5%	11%
Interest-expense ratio	4.1%	5.1%	200/	100/
Net farm income ratio	25.9%	20.2%	20%	10%







Country Countr	Repairs		
	Land Rent		
Ovhd Exp	Other Dir		
-	Ovhd Exp		
My Farm		My Farm	
Yield	Yield		

My Farm \$/A.

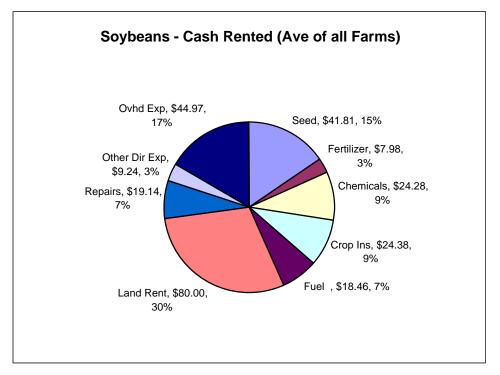
Seed Fertilizer Chemicals

Crop Ins Fuel

	2004	2005	2006	2007	2008
Yield	65.95	43.19	55.54	46.19	62.22
**Total Costs/Acre	\$207.32	\$218.98	\$229.51	\$245.52	\$324.93
Total Costs/Bu	\$3.14	\$5.07	\$4.13	\$5.32	\$5.22

<sup>\*\*-</sup>does not include principal pymts or personal draw

	<u>My Farm</u>	
Yield		
Costs/A.		
Costs/bu.		
		-

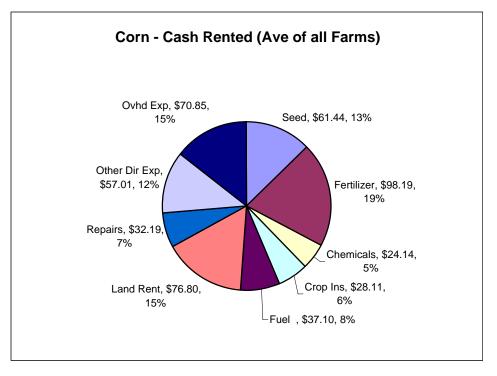


	2004	2005	2006	2007	2008
Yield	22.58	40.94	40.86	37.10	31.36
**Total Costs/Acre	\$189.57	\$198.32	\$213.02	\$214.53	\$270.27
Total Costs/Bu	\$8.40	\$4.84	\$5.21	\$5.78	\$8.62

<sup>\*\*-</sup>does not include principal pymts or personal draw

	<u>My Farm</u>	
	<u>\$/A.</u>	<u>%</u>
Seed		
Fertilizer		
Chemicals		
Crop Ins		
Fuel		
Repairs		
Land Rent		
Other Dir		
Ovhd Exp		

	My Farm	
Yield		
Costs/A.		
Costs/Bu.		



<u> 2005</u>	<u> 2006</u>	<u> 2007</u>	2008
148.68	135.67	139.23	157.74
307.90	\$367.60	\$364.12	\$487.72
\$2.07	\$2.71	\$2.62	\$3.09
	148.68 307.90	148.68 135.67 3307.90 \$367.60	148.68     135.67     139.23       3307.90     \$367.60     \$364.12

<sup>\*\*-</sup>does not include principal pymts or personal draw

	My Farm	
	<u>\$/A.</u>	<u>%</u>
Seed		
Fertilizer		
Chemicals		
Crop Ins		
Fuel		
Repairs		
Land Rent		
Other Dir		
Ovhd Exp		

	My Farm	
Yield		
Costs/A.		-
Costs/Bu.		

excluding Joint Ventu	ure (Ave of all Farms)
Ovhd Exp, \$139.48, 18% Other Dir Exp, \$75.80, 10% Repairs, \$80.33, 11% Land Rent, \$92.08	Seed, \$95.47, 13%  Fertilizer, \$71.10, 10%  Chemicals, \$84.29, 12%  Crop Ins, \$20.23, 3%  Fuel , \$71.61, 10%

	2004	2005	2006	2007	2008
Yield	19.96	19.76	25.04	22.33	21.56
**Total Costs/Acre	\$586.83	\$623.77	\$650.24	\$668.76	\$730.38
Total Costs/Ton	\$29.40	\$31.57	\$25.97	\$29.95	\$33.88

<sup>\*\*-</sup>does not include principal pymts or personal draw

	My Farm \$/A.	%
Seed		_
Fertilizer		
Chemicals		
Crop Ins		
Fuel		
Repairs		
Land Rent		
Other Dir		
Ovhd Exp		

	My Farm	_
Yield		=
Costs/A.		-
Costs/T.		•