

*Minnesota State Colleges and Universities*

# State Farm Business Management Program Database

## *Crop Financial Sorts - 2013*

*Financial Summary*  
*Financial Standards Measures*  
*Crop Production and Marketing Summary*  
*Enterprise Information*

Location of the Regional Program Center:

Minnesota Region:

Central Lakes Community and Technical College	Northeast and East Central
Minnesota West Community and Technical College	Southwestern
Northland Community and Technical College	Northwestern & Red River Valley
Ridgewater Community and Technical College	Central and West Central
Riverland Community and Technical College	Southeastern
South Central College	South Central

April, 2014



A MEMBER OF THE MINNESOTA STATE COLLEGES  
AND UNIVERSITIES SYSTEM

In cooperation with the Center for Farm Financial Management University of Minnesota

Compiled by Al Brudellie (Retired)

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For more Information go to

Farm Management Program Website: <http://www.fbm.mnscu.edu/>

**Financial Summary**  
**Statewide Database Special Sorts for Crops**  
**Farm Business Management Combined Database**  
**(Farms Sorted By Gross Farm Income)**

	Avg. Of	Less than All Farms	100,001 - 250,000	250,001 - 500,000	500,001- 1,000,000	1,000,001- 2,000,000	Over 2,000,000
Number of farms		1092	157	222	320	221	89
<b>Income Statement</b>							
Gross cash farm income		842,087	176,375	374,211	731,189	1,377,701	2,984,399
Total cash farm expense		611,745	134,000	275,206	521,602	976,591	2,230,728
Net cash farm income		230,342	42,376	99,005	209,587	401,111	753,671
Inventory change		-100,095	-8,824	-28,245	-82,404	-193,079	-373,905
Depreciation		-58,185	-11,709	-28,964	-51,761	-95,634	-192,328
Net farm income from operations		72,062	21,843	41,796	75,421	112,398	187,438
Gain or loss on capital sales		1,237	120	346	2,397	2,173	-118
Average net farm income		73,299	21,963	42,142	77,819	114,571	187,319
Median net farm income		44,124	18,573	32,015	79,786	97,738	161,159
<b>Profitability (cost)</b>							
Rate of return on assets		2.30%	2.40%	2.50%	2.70%	2.30%	1.80%
Rate of return on equity		1.30%	0.60%	1.30%	2.00%	1.50%	0.70%
Operating profit margin		6.50%	8.40%	7.40%	7.90%	6.40%	5.00%
<b>Liquidity &amp; Repayment (end of year)</b>							
Current assets		689,842	140,973	319,128	580,973	1,155,164	2,408,562
Current liabilities		327,755	70,983	156,876	278,480	523,355	1,175,611
Current ratio		2.1	1.99	2.03	2.09	2.21	2.05
Working capital		362,087	69,990	162,251	302,494	631,808	1,232,950
Working capital to gross inc		48.60%	40.70%	46.00%	46.50%	53.30%	47.30%
Term debt coverage ratio		0.93	1.01	0.93	1.06	0.85	0.85
Replacement coverage ratio		0.73	0.8	0.7	0.81	0.66	0.71
<b>Solvency (end of year at cost)</b>							
Number of farms		1,092	157	222	320	221	89
Total farm assets		2,126,906	603,152	1,059,567	1,899,368	3,296,425	7,065,681
Total farm liabilities		857,917	310,688	473,419	750,446	1,221,040	2,897,501
Total assets		2,391,059	770,841	1,318,043	2,153,585	3,609,109	7,496,639
Total liabilities		920,775	357,710	524,609	805,853	1,300,130	2,999,351
Net worth		1,470,285	413,131	793,434	1,347,732	2,308,979	4,497,288
Net worth change		23,519	23,151	26,693	33,713	12,732	1,221
Farm debt to asset ratio		40%	52%	45%	40%	37%	41%
Total debt to asset ratio		39%	46%	40%	37%	36%	40%
<b>Solvency (end of year at market)</b>							
Number of farms		1,092	157	222	320	221	89
Total farm assets		2,814,362	890,391	1,545,768	2,542,877	4,269,848	8,946,054
Total farm liabilities		1,056,919	372,772	582,494	913,437	1,558,817	3,512,574
Total assets		3,132,308	1,088,875	1,860,952	2,849,462	4,652,231	9,452,878
Total liabilities		1,254,275	451,732	704,543	1,101,146	1,841,703	4,039,427
Net worth		1,878,033	637,143	1,156,409	1,748,316	2,810,528	5,413,451
Net worth change		94,943	50,652	76,047	98,775	119,212	201,383
Farm debt to asset ratio		38%	42%	38%	36%	37%	39%
Total debt to asset ratio		40%	41%	38%	39%	40%	43%
<b>Nonfarm Information</b>							
Net nonfarm income		34,967	43,605	35,622	35,431	19,387	34,184
Farms reporting living expenses		304	45	74	98	61	10
Total family living expense		69,993	48,846	62,869	74,416	87,677	109,789
Total living, invest, cap. purch		127,480	66,384	114,477	130,446	181,787	240,070
<b>Crop Acres</b>							
Total acres owned		316	136	219	303	492	711
Total crop acres		1,039	280	496	950	1,689	3,319
Total crop acres owned		301	123	181	293	477	731
Total crop acres cash rented		715	141	295	631	1,183	2,535
Total crop acres share rented		24	15	20	25	29	53

# Financial Summary

## Statewide Database Special Sorts for Crops

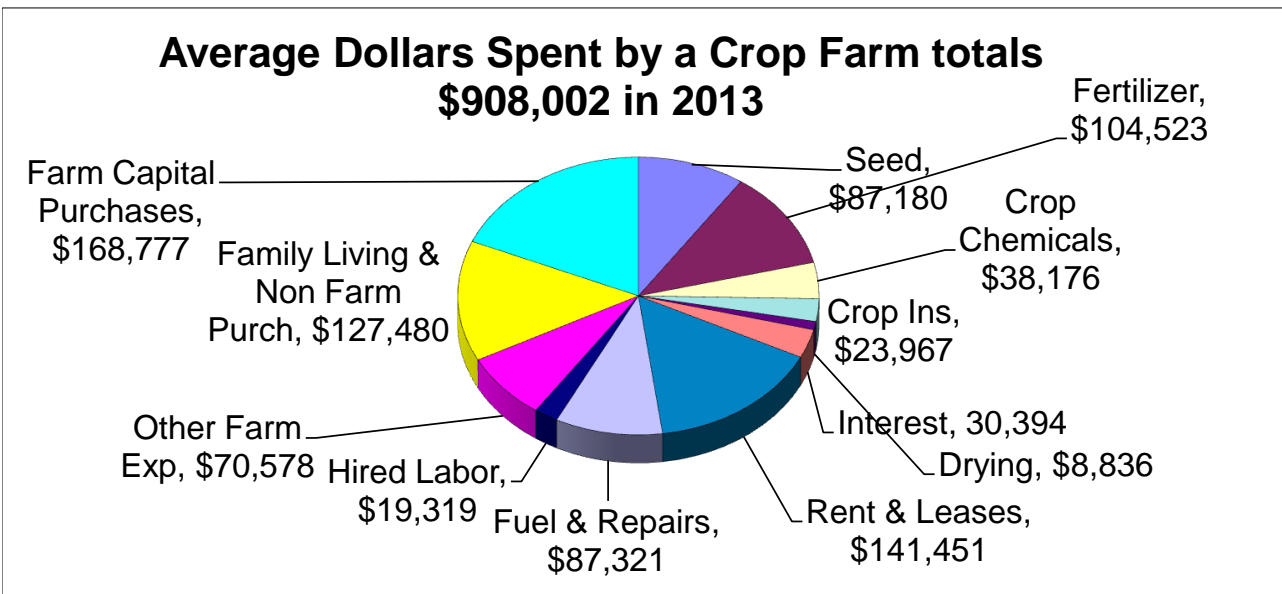
### Farm Business Management Combined Database

#### (Farms Sorted By Total Crop Acres)

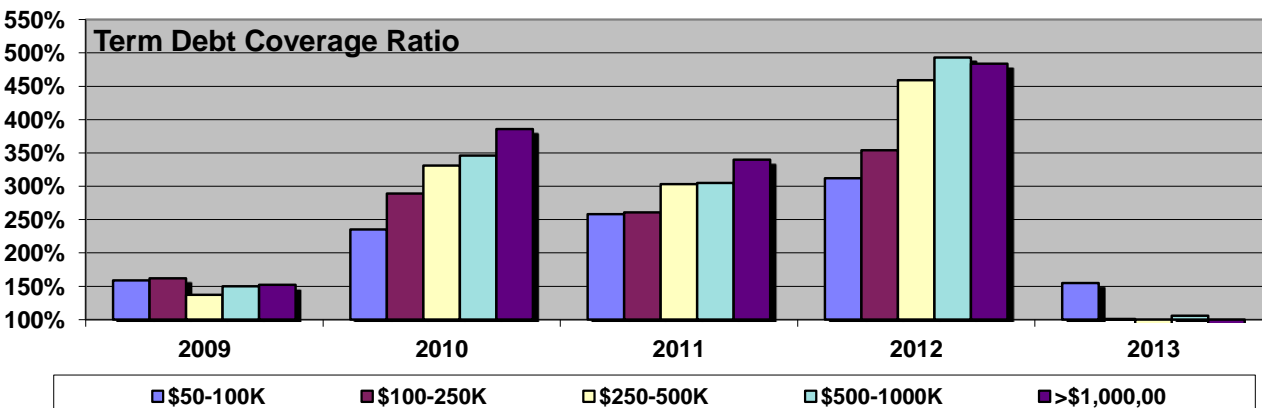
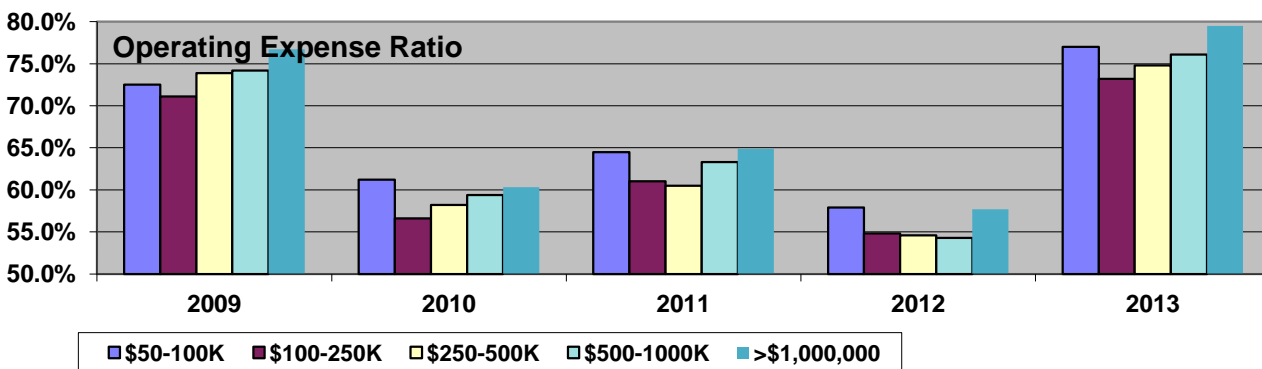
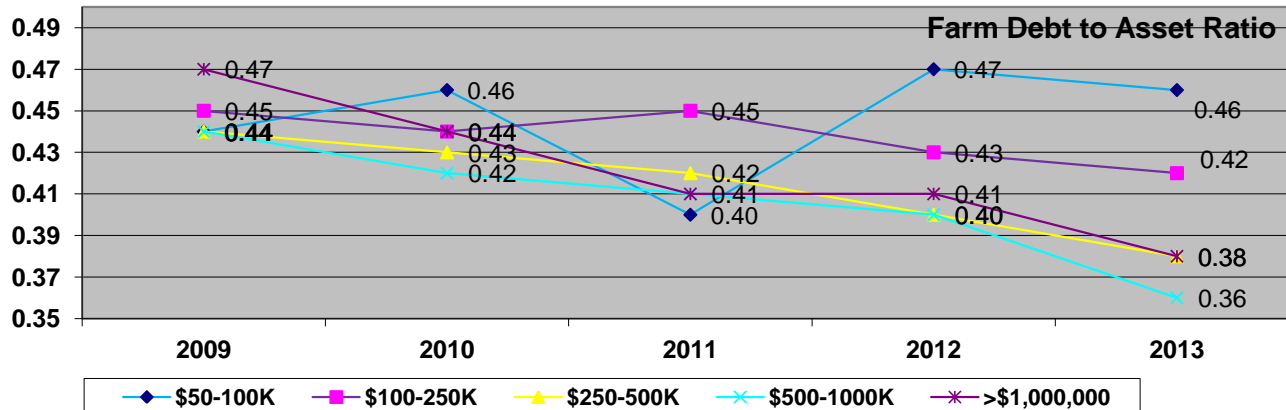
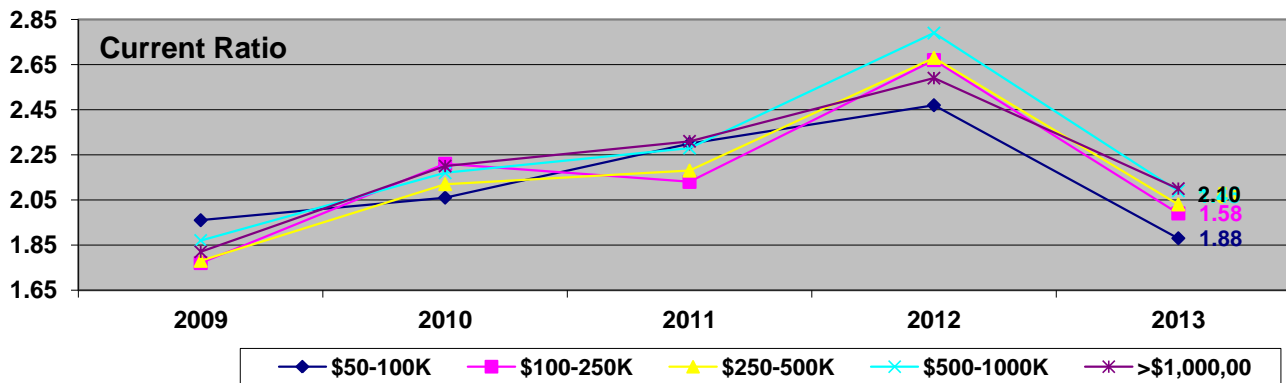
	Avg. Of All Farms	101 - 250	251 - 500	501 - 1,000	1,001 - 1,500	1,501 - 2,000	2,001 - 5,000	5,001 - 10,000
Number of farms	1092	111	201	325	161	88	137	7
<b>Income Statement</b>								
Gross cash farm income	842,087	142,527	318,595	643,674	1,032,153	1,433,117	2,159,781	5,064,611
Total cash farm expense	611,745	104,821	222,218	458,062	717,445	1,058,069	1,598,878	4,243,367
Net cash farm income	230,342	37,706	96,377	185,611	314,707	375,048	560,903	821,244
Inventory change	-100,095	-10,524	-41,932	-82,035	-129,995	-190,216	-238,535	-463,547
Depreciation	-58,185	-10,290	-23,465	-45,450	-74,808	-92,123	-139,690	-411,455
Net farm income from operations	72,062	16,892	30,981	58,126	109,905	92,709	182,678	-53,758
Gain or loss on capital sales	1,237	125	190	2,638	1,377	2,086	739	-11,924
Average net farm income	73,299	17,018	31,171	60,764	111,281	94,795	183,417	-65,682
Median net farm income	44,124	12,836	22,470	55,195	107,182	120,097	150,976	3,523
<b>Profitability (cost)</b>								
Rate of return on assets	2.30%	2.10%	1.80%	2.30%	3.30%	1.70%	2.40%	-1.50%
Rate of return on equity	1.30%	0.30%	0.30%	1.10%	3.10%	0.40%	1.70%	-4.40%
Operating profit margin	6.50%	8.10%	6.00%	6.60%	9.60%	4.60%	6.70%	-3.50%
Asset turnover rate	34.90%	26.70%	30.00%	34.10%	34.70%	37.80%	36.20%	43.20%
<b>Liquidity &amp; Repayment (end of year)</b>								
Current assets	689,842	122,594	253,806	495,794	864,530	1,104,674	1,843,761	4,745,532
Current liabilities	327,755	52,787	119,098	236,377	379,641	550,398	889,059	2,374,151
Current ratio	2.1	2.32	2.13	2.1	2.28	2.01	2.07	2
Working capital	362,087	69,807	134,708	259,417	484,889	554,276	954,703	2,371,382
Working capital to gross inc	48.60%	51.50%	48.10%	46.20%	54.00%	44.10%	49.50%	50.80%
Term debt coverage ratio	0.93	1.23	0.75	0.9	1.14	0.84	0.92	0.28
Replacement coverage ratio	0.73	0.97	0.56	0.69	0.88	0.65	0.77	0.23
<b>Solvency (end of year at cost)</b>								
Number of farms	1,092	111	201	325	161	88	137	7
Total farm assets	2,126,906	518,651	932,190	1,623,242	2,576,304	3,342,046	5,302,041	11,187,878
Total farm liabilities	857,917	249,450	398,947	663,699	967,838	1,371,390	2,090,950	4,664,236
Total assets	2,391,059	697,520	1,178,367	1,879,563	2,857,971	3,660,546	5,647,673	11,466,024
Total liabilities	920,775	303,526	451,058	713,929	1,040,333	1,450,012	2,186,533	4,725,910
Net worth	1,470,285	393,994	727,309	1,165,634	1,817,638	2,210,534	3,461,140	6,740,114
Net worth change	23,519	35,401	22,182	23,126	24,722	44,930	22,004	-445,549
Farm debt to asset ratio	40%	48%	43%	41%	38%	41%	39%	42%
Total debt to asset ratio	39%	44%	38%	38%	36%	40%	39%	41%
<b>Solvency (end of year at market)</b>								
Number of farms	1,092	111	201	325	161	88	137	7
Total farm assets	2,814,362	735,846	1,394,953	2,245,778	3,380,466	4,198,766	6,721,381	13,687,917
Total farm liabilities	1,056,919	296,593	509,451	833,120	1,255,735	1,689,718	2,471,435	5,442,451
Total assets	3,132,308	944,617	1,702,074	2,551,659	3,731,813	4,569,201	7,132,304	13,964,013
Total liabilities	1,254,275	374,813	621,935	978,330	1,457,965	1,972,915	2,980,764	6,114,120
Net worth	1,878,033	569,804	1,080,139	1,573,329	2,273,848	2,596,286	4,151,540	7,849,892
Net worth change	94,943	52,602	74,795	88,362	119,629	108,762	165,154	-78,909
Farm debt to asset ratio	38%	40%	37%	37%	37%	40%	37%	40%
Total debt to asset ratio	40%	40%	37%	38%	39%	43%	42%	44%
<b>Nonfarm Information</b>								
Net nonfarm income	34,967	48,897	38,069	34,267	28,933	28,050	25,162	9,014
Farms reporting living expenses	304	33	66	118	42	22	12	-
Total family living expense	69,993	46,882	58,895	72,004	81,071	90,929	105,884	-
Total living, invest, cap. purch	127,480	68,727	93,432	126,854	178,644	178,133	241,691	-
<b>Crop Acres</b>								
Total acres owned	316	101	183	244	366	499	743	1,067
Total crop acres	1,039	177	374	734	1,216	1,728	2,947	6,784
Total crop acres owned	301	89	159	225	369	470	759	950
Total crop acres cash rented	715	87	200	481	830	1,224	2,130	5,834
Total crop acres share rented	24	-	14	29	17	34	58	-

**Financial Standards Measures**  
**Statewide Database Special Sorts for Crops**  
**Farm Business Management Combined Database**  
**(Farms Sorted By Gross Farm Income)**

	<b>Avg. Of All Farms</b>	<b>Less Than 500</b>	<b>501- 1000</b>	<b>1001- 1,500</b>	<b>1,501- 2,000</b>	<b>Greater Than 2,000</b>
Number of farms	1092	374	325	161	88	144
<b>Liquidity</b>						
Current ratio	2.1	2.13	2.1	2.28	2.01	2.07
Working capital	362,087	134,708	259,417	484,889	554,276	954,703
Working capital to gross inc	48.60%	48.10%	46.20%	54.00%	44.10%	49.50%
<b>Solvency (market)</b>						
Farm debt to asset ratio	38%	37%	37%	37%	40%	37%
Farm equity to asset ratio	62%	63%	63%	63%	60%	63%
Farm debt to equity ratio	0.6	0.58	0.59	0.59	0.67	0.65
<b>Profitability (cost)</b>						
Rate of return on farm assets	2.30%	1.80%	2.30%	3.30%	1.70%	2.40%
Rate of return on farm equity	1.30%	3.00%	1.10%	3.10%	0.40%	1.70%
Operating profit margin	6.50%	6.00%	6.60%	9.60%	4.60%	6.70%
Net farm income	73,299	31,171	60,764	111,281	94,795	183,417
EBITDA	161,272	69,504	129,482	220,882	234,337	392,521
<b>Repayment Capacity</b>						
Capital debt repayment capacity	82,959	29,812	63,006	118,442	119,178	206,301
Capital debt repayment margin	-6,585	-9,965	-7,046	14,298	-23,200	-17,913
Replacement margin	-30,298	-23,899	-28,844	-16,001	-63,353	-61,639
Term debt coverage ratio	0.93	1.23	0.9	1.14	0.84	0.92
Replacement coverage ratio	0.73	0.56	0.69	0.88	0.65	0.77
<b>Efficiency</b>						
Asset turnover rate (cost)	34.90%	30.00%	34.10%	34.70%	37.80%	36.20%
Operating expense ratio	78.30%	75.20%	76.90%	75.40%	81.40%	79.70%
Depreciation expense ratio	7.80%	8.40%	8.10%	8.30%	7.30%	7.20%
Interest expense ratio	4.20%	5.40%	4.60%	4.00%	3.90%	3.60%
Net farm income ratio	9.80%	12.60%	10.80%	12.40%	7.50%	9.50%



**Financial Summary**  
**Statewide Database Special Sorts for Crops**  
**Farm Business Management Combined Database**



# Financial Summary

## Statewide Database Special Sorts for Crops

### Farm Business Management Combined Database

