2016 Michigan Preliminary Cash Grain Business Analysis Summary

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# Crop Production and Marketing Summary 2016 MI Cash Grain (All Farms)

	Avg. Of All Farms	Low 25%	High 25%
Number of farms	52	13	13
Acreage Summary			
Total acres owned	480	452	341
Total crop acres	937	939	1,004
Crop acres owned	497	386	479
Crop acres cash rented	439	554	526
Crop acres share rented	1	-	-
Total pasture acres	17	3	36
Percent crop acres owned	53 %	41 %	48 %
Mach invest/crop acre cost	661	574	653
Mach invest/crop acre market	865	695	942
Average Price Received (Cash Sales (	Only)		
Soybeans per bushel	8.84	9.82	8.55
Corn per bushel	4.07	4.12	4.20
Wheat, Winter per bushel	4.34	4.06	-
Straw per ton	45.11	-	-

#### Farm Income Statement 2016 MI Cash Grain (All Farms)

	Avg. Of		
	All Farms	Low 25%	High 25%
Number of farms	52	13	13
Cash Farm Income			
Beans, Black Turtle	7,523	-	27,944
Beans, Cranberry	4,176	-	15 <b>,</b> 511
Beans, Green	1,605	6,421	-
Beans, Navy	2,250	8,311	-
Beans, Pinto	867	-	-
Beans, Small Red	3,106	-	-
Canola	150	602	-
Corn	174,706	176 <b>,</b> 656	219,230
Corn Silage	1,033	-	3,729
Corn, Seed	22,285	16,622	-
Cucumbers	8,000	-	29,713
Hay, Alfalfa	5,733	5,334	14,751
Haylage, Alfalfa	6,582	_	24,446
Oats	73	247	-
Potatoes	10,896	43,584	-
Soybeans	165,986	142,881	164,778
Straw	2,464	2,405	3,918
Sugar Beets	2,059	7,274	892
Wheat, Spring	1,226	-	_ 
Wheat, Winter	21,955	17,025	5,952
Miscellaneous crop income	292	12	4 172
Beef Bulls Deef Cov Colf, Deef Colver	46		
Beef Cow-Calf, Beef Calves	13,200	17,024	22,146
Beef Backgrounding Beef Finishing	260 20,241	1,041 22,766	- 5,741
Dairy, Dairy Calves	78	311	5,741
Dairy Heifers (for sale)	18,808	-	_
Dairy Replacement Heifers	15,014	60,055	_
Dairy Finishing	9,189	754	_
Sheep, Feeder Lamb Prod, Fdr Lambs	712	-	1,169
Sheep, Market Lamb Prod, Mkt Lambs	2,805	2,537	
Goats, Meat, Meat Goats	46	184	_
Cull breeding livestock	15,541	9,907	25,131
LDP payments	547	_	210
Crop government payments	39,188	34,893	42,925
CRP payments	143	-	-
Livestock govt payments	1,444	581	_
Other government payments	1,794	26	6,337
Custom work income	17,883	10,171	33,511
Patronage dividends, cash	3,060	3,150	2,174
Crop insurance income	3,982	2,004	845
Property insurance income	152	-	-
Sale of resale items	9,128	-	33,904

Other farm income Gross Cash Farm Income

52 <b>,</b> 375	12,729	36,408
759,204	868,853	778,479

### Farm Income Statement (continued) 2016 MI Cash Grain (All Farms)

	Avg. Of		
	All Farms	Low 25%	High 25%
			-
Number of farms	52	13	13
Cash Farm Expense			
Seed		66,680	70,538
Fertilizer		81,828	93,019
Crop chemicals	38,441	39,071	47,388
Non-chemical crop protect	1,000	_	-
Crop insurance	8,212	5,557	
Drying expense	3,051	3,481	1,442
Storage	351	319	-
Irrigation energy	1,744	2,315	47
Crop packaging and supplies	668	438	55
Crop custom hire	1,237	2,290	2,467
Repair, irrigation equip	696	-	-
Crop hauling and trucking	951	328	68
Crop marketing	2,787	3,537	2,497
Crop miscellaneous	1,371	969	1,218
Consultants	512	619	-
Feeder livestock purchase	20,584	52,964	1,846
Purchased feed	42,276		7,187
Breeding fees	543	556	285
Veterinary	2,876	4,386	1,067
Livestock supplies	10,199	17,157	3,059
Livestock hauling and trucking	541	1,264	_
Livestock marketing	3,301	9,059	263
Bedding	529	-	-
Livestock miscellaneous	825	3,299	_
Interest	24,783	31,952	19,226
Packaging and supplies	989	-	3,672
Supplies	2,808	_	4,204
Fuel & oil	22,503	24,225	25,318
Repairs	22,615	30,210	34,093
Repair, machinery	27,849	22,177	29,334
Custom hire	16,408	19,761	9,922
Repair, buildings	3,627	3,792	656
Hired labor	48,882	49,032	51,613
Land rent	80,760	118,887	81,592
Machinery leases	4,940	7,555	5,510
Building leases	2,429	9,717	-
Real estate taxes	12,800	7,940	12,772
Personal property taxes	427	371	374
Farm insurance	18,008	16,386	18,662
Utilities	15,754	19,699	13,526
Dues & professional fees	6,743	5,443	8,305
Purchase of resale items	8,501	_	31,575
Miscellaneous	27,683	19,404	9,336

Total cash expense Net cash farm income	639,834 119,370	797,591 71,261	605,731 172,748
Inventory Changes			
Prepaids and supplies	-3,729	-9,745	33,187
Accounts receivable	811	-631	6,496
Hedging accounts	-2,382	3,525	-100
Other current assets	-2,235	-1,509	-6,018
Crops and feed	18,509	-32,618	19,148
Market livestock	-11,222	-15,292	-2,511
Breeding livestock	-2,684	-4,304	-3,586
Other assets	2,723	-782	3,992
Accounts payable	224	5,357	-1,471
Accrued interest	-3,364	1,853	-4,734
Total inventory change	-3,350	-54,145	44,402
Net operating profit	116,020	17,116	217,150
Depreciation			
Machinery and equipment	-38,583	-39,629	-40,592
Titled vehicles	-2,106	-1,115	-2,653
Buildings and improvements	-12,978	-7,387	-19,471
Total depreciation	-53,667	-48,132	-62,715
Net farm income from operations	62,353	-31,016	154,435
Gain or loss on capital sales	, _	-	, _
Net farm income	62 <b>,</b> 353	-31,016	154 <b>,</b> 435

#### Inventory Changes **2016 MI Cash Grain (All Farms)** (Farms Sorted By Rate of Return on Assets - Mkt)

(Fa	arms	Sorted	Ву	Rate	of	Return	on	Assets
			Avg.	Of				
		i	-	Tarms	L	ow 25%	Higł	n 25%
Number of farms				52		13		13
Net cash farm income			119	9,370		81,067	172	2,748
Crops and Feed								
Ending inventory				3,381		80,274		1,203
Beginning inventory Inventory change				9,872 8,509		15,351 35,076		5,056 9,148
Market Livestock								
Ending inventory			63	8,818	1	30,265	31	L,066
Beginning inventory				5,040		46,230		3,577
Inventory change				,222		15,965		2,511
Accts Receivable								
Ending inventory				8,421		49 <b>,</b> 736		2,081
Beginning inventory			72	2,610		52 <b>,</b> 678		5,586
Inventory change				811		-2,943	6	5,496
Prepaid Expenses and Sup Ending inventory	plies		92	2,273		78,364	115	5,255
Beginning inventory				5,003		89,493		2,068
Inventory change				,0003 3,729		11,129		3,187
Hedging Activities								
Ending inventory				2,242		8,231	1	L <b>,</b> 071
Withdrawals			4	,233		17,092	1	L <b>,</b> 071
Beginning inventory				,378		4,449		L <b>,</b> 071
Deposits				,479		17 <b>,</b> 055		L,171
Gain or loss			-2	2,382		3,819		-100
Other Current Assets Ending inventory			0.1	224		11 773	23	0.26
Beginning inventory				.,334 3,569		11,773 13,290		3,936 9,955
Inventory change				2,235		-1,517		5,018
Breeding Livestock								
Ending inventory			46	5,963		62,012	50	),487
Capital sales				906		1,255		-
Beginning inventory				9,101		64,446	53	3,436
Capital purchases				,453		3,483		636
Depreciation, capital	adjust		-2	2,684		-4,663	- 3	3,586
Other Capital Assets Ending inventory			34	<b>,</b> 073		34,124	1-	7,530
Capital sales				5,773		2,206		5,395
Beginning inventory				716		35,175		L,101
Capital purchases				3,407		1,998		3,831
Depreciation, capital	adjust			2,723		-843		3,992
Accounts Payable								
Beginning inventory				5,452		26,561		3,212
Ending inventory Inventory change			16	228 224		20,207 6,353		0,683 L,471
Accrued Interest								
Beginning inventory				5,525		4,610		5,903
Ending inventory				3,889		2,602		),637
Inventory change			-3	3,364		2,007	- 4	1,734
Total inventory change			-3	3,350	-	59,956	44	1,402
Net operating profit			116	5,020	:	21,111	217	7,150

Table 4	1
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## Depreciation 2016 MI Cash Grain (All Farms)

	Avg. Of All Farms	Low 25%	High 25%
Number of farms	52	13	13
Net operating profit	116,020	21,111	217,150
Machinery and Equipment Ending inventory Capital sales Beginning inventory Capital purchases Depreciation, capital adjust.	595,401 5,431 578,952 60,464 -38,583	554,451 6,570 553,951 49,392 -42,322	641,316 6,609 597,067 91,449 -40,592
Titled Vehicles Ending inventory Capital sales Beginning inventory Capital purchases Depreciation, capital adjust.	32,159 31,196 3,069 -2,106	22,750  23,958  -1,208	35,854 37,400 1,107 -2,653
Buildings and Improvements Ending inventory Capital sales Beginning inventory Capital purchases Depreciation, capital adjust.	275,796 311 259,273 29,811 -12,978	242,211  246,340  _7,306	210,045 93 177,177 52,432 -19,471
Total depreciation, capital adj.	-53,667	-50,837	-62,715
Net farm income from operations Gain or loss on capital sales	62,353	-29,725 _	154,435 -
Net farm income	62,353	-29,725	154,435

Table .	5
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#### Profitability Measures **2016 MI Cash Grain (All Farms)** (Farms Sorted By Rate of Return on Assets - Mkt)

	Avg. Of All Farms	Low 25%	High 25%
Number of farms	52	13	13
Profitability (assets valued at cost) Net farm income from operations Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate	62,353 0.9 % -0.3 % 3.3 % 28.2 %	-29,725 -4.9 % -11.4 % -14.1 % 34.8 %	154,435 5.1 % 5.5 % 15.9 % 32.4 %
Farm interest expense Value of operator lbr and mgmt. Return on farm assets Average farm assets Return on farm equity Average farm equity Value of farm production	28,147 67,690 22,809 2,454,619 -5,338 1,661,447 692,400	29,069 97,121 -97,778 1,999,589 -126,846 1,108,152 695,273	23,960 58,404 119,992 2,333,746 96,031 1,739,962 756,843
	Avg. Of All Farms	Low 25%	High 25%
Number of farms	52	13	13
Profitability (assets valued at marke Net farm income from operations Rate of return on assets Rate of return on equity Operating profit margin Asset turnover rate	t) 89,919 1.4 % 0.8 % 7.3 % 18.6 %	-76,842 -4.8 % -8.2 % -20.8 % 23.0 %	272,445 7.0 % 7.6 % 31.4 % 22.1 %
Farm interest expense Value of operator lbr and mgmt. Return on farm assets Average farm assets Return on farm equity Average farm equity Value of farm production	28,147 67,690 50,376 3,720,505 22,228 2,908,593 692,400	29,069 97,121 -144,895 3,019,672 -173,963 2,128,235 695,273	23,960 58,404 238,002 3,421,525 214,042 2,826,793 756,843

### Liquidity & Repayment Capacity Measures 2016 MI Cash Grain (All Farms) (Farms Sorted By Rate of Return on Assets - Mkt)

	Avg. Of All Farms	Low 25%	High 25%
Number of farms	52	13	13
Liquidity			
Current ratio	2.61	1.91	4.43
Working capital	413 <b>,</b> 521	291,396	630,446
Working capital to gross inc	54.1 %	33.5 %	79.1 %
Current assets	670,242	610,960	814,248
Current liabilities	256,722	319 <b>,</b> 564	183,802
Gross revenues (accrual)	763,761	869,698	797,452
Repayment capacity			
Net farm income from operations	62 <b>,</b> 353	-29 <b>,</b> 725	154 <b>,</b> 435
Depreciation	53 <b>,</b> 667	50 <b>,</b> 837	62,715
Personal income	65,019	180,346	19,031
Family living/owner withdrawals	-78,395	-204,815	-47,929
Cash discrepancy	0	0	0
Payments on personal debt	-2,358	-274	-6,049
Income taxes paid	-11,226	-1,339	-19,882
Interest on term debt	21,299	19,799	11,720
Capital debt repayment capacity	110,359	14,828	174,041
Scheduled term debt payments	-87,888	-110,840	-55,716
Capital debt repayment margin	22,471	-96,012	118,325
Cash replacement allowance	-44,926	-16,047	-68,705
Replacement margin	-22,455	-112,059	49,620
Term debt coverage ratio	1.26	0.13	3.12
Replacement coverage ratio	0.83	0.12	1.40

#### Balance Sheet at Cost Values 2016 MI Cash Grain (All Farms)

	Avg. O: All Farr		Low 25% High 25%			5%
Number of farms	52	2	1	3	13	
Assets	Beginning	Ending	Beginning	Ending	Beginning	Ending
Current Farm Assets						
Cash and checking balance	45,760	58,774	41,376	52 <b>,</b> 318	68,194	86,634
Prepaid expenses & supplies	96,003	92 <b>,</b> 273				
Growing crops	15,945	14,908	,			
Accounts receivable	72,610	73,421				
Hedging accounts Crops held for sale or feed	1,378 339,872	2,242 358,381				
Crops under government loan	0	0				
Market livestock held for sale	75,040					
Other current assets	7,623	6,425			20,263	15,796
Total current farm assets	654 <b>,</b> 231	670 <b>,</b> 242	662,866	610,960	745 <b>,</b> 506	814,248
Intermediate Farm Assets						
Breeding livestock	49,101	46,963	64,446	62,012	53,436	50,487
Machinery and equipment	578 <b>,</b> 952				,	
Titled vehicles	31,196					
Other intermediate assets	24,083	,		,		
Total intermediate farm assets	683,331	694,765	675 <b>,</b> 754	671 <b>,</b> 411	704,718	740,900
Long Term Farm Assets						
Farm land	783,736		-	,		,
Buildings and improvements Other long-term assets	259,273 15,633	275,796 13,831				
Total long-term farm assets		1,148,028		,	782,853	
Total Farm Assets					2,233,078	
Total Nonfarm Assets Total Assets	296,061 2,692,265	321,439 2,834,474			371,887 2,604,965	
Liabilities						
Current Farm Liabilities						10 005
Accrued interest	5,525	8,889				
Accounts payable Current notes	16,452 152,309					
Government crop loans	152,505	104,500				123,123
Principal due on term debt	66,589	67,045	91,041	71,436	43,996	38,353
Total current farm liabilities	240,874	256 <b>,</b> 722	315,644	319,564	187 <b>,</b> 705	183,802
Total intermediate farm liabs	117,608	110,841	163,058	150,325	107,373	89,966
Total long term farm liabilities	394,645	465,655	406,228	428,057	254,745	363,978
Total farm liabilities	753,126	833,218	884,930	897 <b>,</b> 945	549,822	637,746
Total nonfarm liabilities Total liabilities	35,929 789,055	31,856 865,074			88,766 638,588	80,727 718,473
Net worth (farm and nonfarm) Net worth change Percent net worth change	1,903,210	1,969,400 66,190 3 %		1,186,771 -75,523 -6 %	1,966,377	2,141,375 174,998 9 %
Ratio Analysis Current farm liabilities / assets Intermediate farm liab. / assets Long term farm liab. / assets Total debt to asset ratio	37 % 17 % 37 % 29 %	38 % 16 % 41 % 31 %	59 %	22 % 62 %	15 % 33 %	23 % 12 % 41 % 25 %

#### Balance Sheet at Market Values 2016 MI Cash Grain (All Farms)

(Farms Sorted By Rate of Return on Assets - Mkt)						
	Avg. O All Far		Low 25	8	High 25	8
Number of farms	5	2	1	3	1	3
	Beginning	Ending	Beginning	Ending	Beginning	Ending
Assets						
Current Farm Assets	45,760	50 774	41,376	52,318	68,194	86,634
Cash and checking balance Prepaid expenses & supplies	43,780 96,003					
Growing crops	15,945					
Accounts receivable	72,610					
Hedging accounts	1,378					
Crops held for sale or feed	339 <b>,</b> 872	358,381	315 <b>,</b> 351	280,274	365 <b>,</b> 056	384,203
Crops under government loan	0					
Market livestock held for sale	75,040					
Other current assets Total current farm assets	7,623 654,231				,	
iotal cullent laim assets	034,231	070,242	002,000	010,900	745,500	014,240
Intermediate Farm Assets						
Breeding livestock	52,923		,			
Machinery and equipment Titled vehicles	757,249 46,807	,				
Other intermediate assets	26,435				,	,
Total intermediate farm assets	883,414	-				1,032,940
Long Term Farm Assets Farm land	1 783 472	1,894,875	1 305 584	1 313 107	1 31/ 135	1 191 180
Buildings and improvements	286,723			256,204		
Other long-term assets	40,380					
Total long-term farm assets		2,238,536				
Total Farm Assets	3,648,221	3,792,790	3,068,435	2,970,909	3,261,720	3,581,329
Total Nonfarm Assets Total Assets	523,777 4,171,997	563,951 4,356,741				
Liabilities Current Farm Liabilities	5 505	0 000	4 (10	2 (02	E 002	10 (27
Accrued interest Accounts payable	5,525 16,452					
Current notes	152,309					
Government crop loans	0	-				
Principal due on term debt	66 <b>,</b> 589	67 <b>,</b> 045	91,041	71,436	43,996	38,353
Total current farm liabilities	240,874	256,722	315,644	319,564	187,705	183,802
Total intermediate farm liabs	117 <b>,</b> 608	110,841	163,058	150,325	107,373	89,966
Total long term farm liabilities	394,645	465 <b>,</b> 655			254,745	363,978
Total farm liabilities	753 <b>,</b> 126	833,218	884,930	897,945	549,822	637,746
Total nonfarm liabilities	35,929	31,856	7,225	8,170	88,766	80,727
Total liabs excluding deferreds	789 <b>,</b> 055		892 <b>,</b> 154	906 <b>,</b> 115	638,588	718,473
Total deferred liabilities	18,962					,
Total liabilities	808,017	884,350	892,154	906,115	639,404	719,551
Retained earnings		1,969,400				
Market valuation equity		1,502,992				
Net worth (farm and nonfarm)		3,472,392				
Net worth excluding deferreds Net worth change	3,382,942	3,491,667 108,412		-125,640		290,422
Percent net worth change		3 %		-125,040		290,422 9 %
Ratio Analysis Current farm liabilities / assets	37 %	38 %	48 %	52 %	25 %	23 %
Intermediate farm liab. / assets	13 %					
Long term farm liab. / assets	19 %					
Total debt to asset ratio	19 %					
Debt to assets excl deferreds	19 %	20 %	28 %	29 %	17 %	17 %

Table	9
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# Statement Of Cash Flows 2016 MI Cash Grain (All Farms)

	Avg. Of All Farms	Low 25%	High 25%
Number of farms	52	13	13
Beginning cash (farm & nonfarm)	62,782	41,376	127,453
Cash Provided By Operating Activities			
Gross cash farm income	759 <b>,</b> 204	925 <b>,</b> 368	778 <b>,</b> 479
Total cash farm expense	-639,834	-844,301	-605,731
Net cash from hedging transactions	-3,246	37	-100
Cash provided by operating	116,123	81,104	172,648
Cash Provided By Investing Activities	5		
Sale of breeding livestock	906	1,255	-
Sale of machinery & equipment	5,431	6 <b>,</b> 570	6,609
Sale of titled vehicles	-	-	-
Sale of farm land	1,538	-	5,714
Sale of farm buildings	311	-	93
Sale of other farm assets	26,773	2,206	16,395
Sale of nonfarm assets	5,713	, _	, _
Purchase of breeding livestock	-1,453	-3,483	-636
Purchase of machinery & equip.	-60,464	-49,392	-91,449
Purchase of titled vehicles	-3,069	-	-1,107
Purchase of farm land	-76,198	-9,820	-69,260
Purchase of farm buildings	-29,811	-3,177	-52,432
Purchase of other farm assets	-18,407	-1,998	-8,831
Purchase of nonfarm assets	-18,350	1,990	-31,764
	-167,080	-57,840	-226,667
Cash provided by investing	-107,080	-57,840	-220,007
Cash Provided By Financing Activities	3		
Money borrowed	419,213	797 <b>,</b> 151	264,041
Principal payments	-344,166	-774,383	-189,349
Personal income	65,019	180,346	19,031
Family living/owner withdrawals	-78,395	-204,815	-47,929
Income and social security tax	-10,790	-1,339	-20,739
Capital contributions	13,836	-3,460	28,065
Capital distributions	-11,794	-5,824	-22,282
Dividends paid	_	-	_
Cash gifts and inheritances	2,522	-	9,368
Gifts given	-386	_	-570
Other cash flows	_	_	_
Cash provided by financing	55,058	-12,324	39,637
Net change in cash balance	4,101	10,941	-14,383
Ending cash (farm & nonfarm)	66,883	52,318	113,071
Discrepancy	0	0	0

#### Financial Standards Measures 2016 MI Cash Grain (All Farms)

	Avg. Of All Farms	Low 25%	High 25%
Number of farms	52	13	13
Liquidity Current ratio Working capital Working capital to gross inc	2.61 413,521 54.1 %	1.91 291,396 33.5 %	4.43 630,446 79.1 %
Solvency (market) Farm debt to asset ratio Farm equity to asset ratio Farm debt to equity ratio	22 % 78 % 0.29	30 % 70 % 0.43	18 % 82 % 0.22
Profitability (cost) Rate of return on farm assets Rate of return on farm equity Operating profit margin Net farm income EBITDA	0.9 % -0.3 % 3.3 % 62,353 144,167	-4.9 % -11.4 % -14.1 % -29,725 50,180	5.1 % 5.5 % 15.9 % 154,435 241,110
Repayment Capacity Capital debt repayment capacity Capital debt repayment margin Replacement margin Term debt coverage ratio Replacement coverage ratio	110,359 22,471 -22,455 1.26 0.83	-96,012	
Efficiency Asset turnover rate (cost) Operating expense ratio Depreciation expense ratio Interest expense ratio Net farm income ratio	28.2 % 81.1 % 7.0 % 3.7 % 8.2 %	34.8 % 94.2 % 5.8 % 3.3 % -3.4 %	32.4 % 69.8 % 7.9 % 3.0 % 19.4 %

#### Operator and Labor Information 2016 MI Cash Grain (All Farms)

	Avg. Of All Farms	Low 25%	High 25%
Number of farms	52	13	13
Operator Information Average number of operators Average age of operators Average number of years farming	1.4 53.0 26.2	55.5	49.2
Results Per Operator Working capital Total assets (market) Total liabilities Net worth (market) Net worth excl deferred liabs	294,563 3,103,432 629,948 2,473,484 2,487,215	2,073,466 604,077 1,469,389	2,922,951 503,686
Gross farm income Total farm expense Net farm income from operations	544,049 499,633 44,415	599,615	450,112
Net nonfarm income Family living & tax withdrawals	46,315 63,840		
Total acres owned Total crop acres Crop acres owned Crop acres cash rented Crop acres share rented Total pasture acres	341.9 667.4 353.9 312.8 0.7 12.4	664.2 264.5 399.7	702.8 335.0 367.9
Labor Analysis Number of farms Total unpaid labor hours Total hired labor hours Total labor hours per farm Unpaid hours per operator Value of farm production / hour Net farm income / unpaid hour Average hourly hired labor wage	52 3,145 2,998 6,143 2,240 112.72 19.83 16.27	13 3,602 3,263 6,865 2,401 101.28 -8.25 16.81	3,112
Partnerships & LLCs Number of farms Number of operators Owner withdrawals per farm Withdrawals per operator	20 1.9 175,622 94,566	5 2.2 _ _	4 2.0 _ _

Table 12 Financial Summary					
		Grain (Al			
(Farms Sorte		of Return	on Assets -	- Mkt)	
	Avg. Of All Farms	Low 25%	High 25%		
Number of farms	52	13	13		
Income Statement					
Gross cash farm income	759,204		778,479		
Total cash farm expense	639,834		605,731		
Net cash farm income	119,370	81,067	172,748		
Inventory change Depreciation	-3,350	-59,956 -50,837	44,402		
Net farm income from operations	62,353	-29 725	154 435		
Gain or loss on capital sales	-	-	154,435		
Average net farm income	62,353	-29,725	154,435		
Median net farm income	31,513	-4,577	134,794		
	- ,	, -	- , -		
Profitability (cost)			- 4		
Rate of return on assets	0.9 %				
Rate of return on equity		-11.4 %			
Operating profit margin Asset turnover rate	3.3 % 28.2 %	-14.1 % 34.8 %			
Asset turnover rate	20.2 %	34.0 %	32.4 %		
Profitability (market)					
Rate of return on assets	1.4 %	-4.8 %	7.0 %		
Rate of return on equity	0.8 %	-8.2 %	7.6 %		
Operating profit margin	7.3 %	-20.8 % 23.0 %	31.4 %		
Asset turnover rate	18.6 %	23.0 %	22.1 %		
Liquidity ( Donormont (and of yoor)					
Liquidity & Repayment (end of year) Current assets	670,242	610,960	814,248		
Current liabilities	256,722				
Current ratio	2.61				
Working capital	413,521	291,396	630,446		
Working capital to gross inc	54.1 %	33.5 %			
Term debt coverage ratio	1.26	0.13	3.12		
Replacement coverage ratio	0.83	0.12	1.40		
Term debt to EBITDA	3.55	11.34	1.50		
Solvency (end of year at cost)					
Number of farms	52	13	13		
Total assets		2,092,886			
Total liabilities		906,115			
Net worth		1,186,771			
Net worth change	66,190	-75,523	174,998		
Farm debt to asset ratio	33 %		26 %		
Total debt to asset ratio	31 %				
Change in earned net worth %	3 %	-6 %	9 %		
Solvency (end of year at market)					
Number of farms	52	13	13		
Total assets		3,110,199			
Total liabilities		906,115			
Net worth	3,472,392	2,204,084	3,456,092		
Total net worth change	108,412	-125,640	290,422		
Farm debt to asset ratio	22 %	30 %	18 %		
Total debt to asset ratio		29 %			
Change in total net worth %	3 %	-5 %	9 %		
Nonfarm Information					
Net nonfarm income	65,019	180,346	19,031		
		·			
Crop Acres		000	1 004		
Total crop acres	937				
Total crop acres owned	497 439		479 526		
Total crop acres cash rented Total crop acres share rented	439		526		
Machinery value per crop acre	865		942		
machinery varue per crop acre	000	FOO	272		

# Summary Farm Income Statement 2016 MI Cash Grain (All Farms)

	Avg. Of All Farms	Low 25%	High 25%
Number of farms	52	13	13
Crop sales	458,182	427,374	567,803
Crop inventory change	18,509	-32,618	19,148
Gross crop income	476,690	394,756	586,950
Livestock sales	155,489	368,019	29,229
Livestock inventory change	-11,222	-15,292	-2,511
Gross livestock income	144,268	352,727	26,718
Government payments	43,115	35,499	49,472
Other cash farm income	102,418	37,961	131,976
Change in accounts receivable	811	-631	6,496
Gain or loss on hedging accounts	-2,382	3,525	-100
Change in other assets	1,525	-782	-474
Gain or loss on breeding lvst	-2,684	-4,304	-3,586
Gross farm income	763,761	818,752	797,452
Cash operating expenses	615,051	765,640	586,505
Change in prepaids and supplies	3,729	9,745	-33,187
Change in growing crops	1,037	1,509	1,552
Change in accounts payable	-224	-5,357	1,471
Depreciation	53,667	48,132	62,715
Total operating expense	673,261	819,669	619,056
Interest paid	24,783	31,952	19,226
Change in accrued interest	3,364	-1,853	4,734
Total interest expense	28,147	30,099	23,960
Total expenses	701,408	849,768	643,017
Net farm income from operations	62,353	-31,016	154,435
Gain or loss on capital sales	-		_
Net farm income	62,353	-31,016	154 <b>,</b> 435