

*Crop Enterprise Analysis  
(Farms Sorted By Tillage System)*

*Soybeans on Cash Rent*

	<u>Avg. Of All Farms</u>	<u>Moldboard</u>	<u>Chisel/ Reduced</u>	<u>No Till</u>	<u>Ridge Till</u>	<u>Strip Till</u>
Number of farms	1004	28	873	84	14	17
Acres	321.04	125.52	326.58	295.43	334.03	247.89
Yield per acre (bu.)	55.26	57.70	55.46	50.17	62.74	61.41
Operators share of yield %	100.00	100.00	100.00	100.00	100.00	100.00
Value per bu.	9.31	9.34	9.31	9.24	9.52	9.34
Other product return per acre	0.00	-	0.00	0.03	-	-
Total product return per acre	514.64	539.00	516.53	463.77	597.42	573.80
Hedging gains/losses per acre	0.51	-	0.38	0.62	4.29	5.37
Crop insurance per acre	9.01	20.14	8.05	21.18	2.86	-
Other crop income per acre	2.52	0.30	2.41	2.34	6.78	8.39
Gross return per acre	526.69	559.44	527.37	487.91	611.35	587.57
<b>Direct Expenses</b>						
Seed	59.71	58.93	59.65	62.11	51.92	58.66
Fertilizer	22.71	21.56	22.35	25.21	21.62	34.41
Crop chemicals	37.85	52.81	37.57	36.16	40.94	50.72
Crop insurance	16.70	18.82	17.05	13.10	15.62	13.30
Storage	0.76	1.95	0.77	0.21	2.00	1.15
Fuel & oil	12.07	11.44	12.32	9.62	11.26	11.30
Repairs	23.05	25.47	23.35	19.38	22.64	22.97
Custom hire	6.44	9.13	6.37	6.44	5.19	10.20
Hired labor	2.41	0.21	2.57	1.22	2.46	0.86
Land rent	171.91	187.13	174.90	130.82	206.89	160.47
Machinery leases	3.14	4.63	3.19	2.67	3.83	0.44
Utilities	0.82	-	0.84	0.54	2.34	0.10
Hauling and trucking	0.68	0.51	0.66	0.67	1.51	0.86
Marketing	1.22	1.27	1.25	0.70	2.28	0.62
Operating interest	7.24	9.05	7.48	5.09	2.45	7.13
Miscellaneous	2.23	1.26	2.17	2.34	4.36	3.83
Total direct expenses per acre	368.94	404.17	372.50	316.30	397.31	377.02
Return over direct exp per acre	157.75	155.27	154.87	171.61	214.04	210.55
<b>Overhead Expenses</b>						
Hired labor	6.95	6.90	7.05	5.39	5.08	11.43
Machinery leases	2.03	2.13	2.05	2.17	-	2.34
Building leases	1.30	2.60	1.39	0.55	-	0.10
Farm insurance	6.48	6.51	6.46	5.96	8.95	8.07
Utilities	3.04	2.60	3.08	2.64	1.99	4.10
Dues & professional fees	2.46	3.55	2.53	1.34	2.73	3.32
Interest	3.60	4.79	3.66	3.47	1.38	1.54
Mach & bldg depreciation	33.75	31.94	33.79	30.36	51.13	32.94
Miscellaneous	3.75	2.21	3.80	3.53	2.86	3.73
Total overhead expenses per acre	63.36	63.24	63.82	55.39	74.13	67.57
Total dir & ovhd expenses per acre	432.30	467.41	436.32	371.69	471.43	444.59
Net return per acre	94.39	92.03	91.05	116.22	139.91	142.98
Government payments	20.87	21.94	20.48	22.76	34.98	19.58
Net return with govt pmts	115.26	113.96	111.53	138.98	174.90	162.56
Labor & management charge	30.73	31.40	30.60	28.88	45.23	33.96
Net return over lbr & mgt	84.53	82.56	80.94	110.10	129.66	128.61
<b>Cost of Production</b>						
Total direct expense per bu.	6.68	7.00	6.72	6.30	6.33	6.14
Total dir & ovhd exp per bu.	7.82	8.10	7.87	7.41	7.51	7.24
Less govt & other income	7.23	7.37	7.30	6.47	6.73	6.70
With labor & management	7.78	7.91	7.85	7.05	7.46	7.25
Net value per unit	9.32	9.34	9.32	9.26	9.59	9.43
Machinery cost per acre	79.60	85.26	80.18	70.42	90.00	78.47
Est. labor hours per acre	1.56	2.05	1.56	1.43	1.92	1.99

*Crop Enterprise Analysis (continued)*  
*(Farms Sorted By Tillage System)*

*Soybeans on Cash Rent*

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Data Source(s):

Mn State College & University South, 608 farms  
Mn State College & University North, 143 farms  
Southwest Minnesota Farm Business Management Association, 81 farms  
Mn State College & University Red River Valley, 75 farms  
Other groups, 33 farms  
ND South Central Farm and Ranch Business Management, 29 farms  
Wisconsin Technical College System, 13 farms  
Missouri Farm Business Management Analysis, 11 farms  
ND Western Missouri Slope Farm and Ranch Business Management, 5 farms  
South Dakota Center for Farm/Ranch Management, 5 farms  
ND North Central Farm and Ranch Business Management, 1 farms

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Report Summary

1. Report number	354229
2. Location	
State:	All
3. Farm Characteristics	
Year(s):	2016
Crop tenure type:	Cash Rent
Tillage system:	Moldboard Chisel/Reduced No Till Ridge Till Strip Till
Organic Transition:	No No Answer

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