

Crop Enterprise Analysis
South Dakota Center for Farm/Ranch Management
(Farms Sorted By Net Return)

Corn on Owned Land

	<u>Avg. Of All Farms</u>
Number of farms	10
Acres	206.63
Yield per acre (bu.)	177.56
Operators share of yield %	100.00
Value per bu.	4.07
Other product return per acre	15.82
Total product return per acre	737.99
Crop insurance per acre	2.76
Gross return per acre	740.75
Direct Expenses	
Seed and plants	75.92
Fertilizer	79.63
Crop chemicals	31.59
Crop insurance	17.73
Fuel & oil	16.85
Repairs	27.03
Repair, machinery	19.88
Custom hire	3.21
Repair, buildings	5.21
Marketing	0.51
Operating interest	6.09
Miscellaneous	3.31
Total direct expenses per acre	286.97
Return over direct exp per acre	453.78
Overhead Expenses	
Custom hire	5.71
Hired labor	36.06
Machinery leases	2.72
RE & pers. property taxes	27.44
Farm insurance	8.91
Utilities	9.09
Dues & professional fees	3.20
Interest	35.48
Mach & bldg depreciation	74.86
Miscellaneous	15.60
Total overhead expenses per acre	219.07
Total dir & ovhd expenses per acre	506.04
Net return per acre	234.71
Government payments	11.69
Net return with govt pmts	246.41
Labor & management charge	50.32
Net return over lbr & mgt	196.08
Cost of Production	
Total direct expense per bu.	1.62
Total dir & ovhd exp per bu.	2.85
Less govt & other income	2.68
With labor & management	2.96
Net value per unit	4.07
Machinery cost per acre	138.63
Est. labor hours per acre	2.45

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Corn on Cash Rent

	<u>Avg. Of All Farms</u>
Number of farms	14
Acres	530.54
Yield per acre (bu.)	168.61
Operators share of yield %	100.00
Value per bu.	4.01
Other product return per acre	16.13
Total product return per acre	691.98
Crop insurance per acre	6.60
Other crop income per acre	0.56
Gross return per acre	699.14
Direct Expenses	
Seed and plants	80.61
Fertilizer	82.14
Crop chemicals	35.67
Crop insurance	20.02
Fuel & oil	17.75
Repairs	20.37
Repair, machinery	21.93
Custom hire	1.13
Repair, buildings	4.29
Land rent	112.10
Operating interest	13.43
Miscellaneous	1.95
Total direct expenses per acre	411.40
Return over direct exp per acre	287.74
Overhead Expenses	
Custom hire	5.34
Hired labor	22.98
Machinery leases	11.29
Farm insurance	6.41
Utilities	7.63
Dues & professional fees	2.32
Interest	1.89
Mach & bldg depreciation	37.53
Miscellaneous	11.52
Total overhead expenses per acre	106.91
Total dir & ovhd expenses per acre	518.31
Net return per acre	180.83
Government payments	8.94
Net return with govt pmts	189.77
Labor & management charge	41.54
Net return over lbr & mgt	148.22
Cost of Production	
Total direct expense per bu.	2.44
Total dir & ovhd exp per bu.	3.07
Less govt & other income	2.88
With labor & management	3.13
Net value per unit	4.01
Machinery cost per acre	111.58
Est. labor hours per acre	2.14

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Hay, Grass on Owned Land

	<u>Avg. Of</u> <u>All Farms</u>
Number of farms	6
Acres	38.17
Yield per acre (ton)	1.16
Operators share of yield %	100.00
Value per ton	79.75
Other product return per acre	8.70
Total product return per acre	101.59
Gross return per acre	101.59
Direct Expenses	
Seed and plants	17.77
Fertilizer	12.47
Crop chemicals	5.50
Fuel & oil	11.86
Repairs	22.52
Repair, machinery	10.73
Repair, buildings	7.15
Operating interest	2.71
Total direct expenses per acre	90.72
Return over direct exp per acre	10.86
Overhead Expenses	
Custom hire	4.60
Hired labor	23.96
Machinery leases	1.96
RE & pers. property taxes	13.12
Farm insurance	6.75
Utilities	5.98
Dues & professional fees	2.15
Interest	42.03
Mach & bldg depreciation	46.81
Miscellaneous	10.47
Total overhead expenses per acre	157.82
Total dir & ovhd expenses per acre	248.54
Net return per acre	-146.96
Government payments	-
Net return with govt pmnts	-146.96
Labor & management charge	37.39
Net return over lbr & mgt	-184.35
Cost of Production	
Total direct expense per ton	77.89
Total dir & ovhd exp per ton	213.40
Less govt & other income	205.93
With labor & management	238.03
Net value per unit	79.75
Machinery cost per acre	92.35
Est. labor hours per acre	1.61

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Hay, Grass on Cash Rent

	<u>Avg. Of</u> <u>All Farms</u>
Number of farms	5
Acres	226.06
Yield per acre (ton)	1.80
Operators share of yield %	100.00
Value per ton	98.35
Other product return per acre	7.34
Total product return per acre	184.36
Gross return per acre	184.36
Direct Expenses	
Fertilizer	6.94
Fuel & oil	5.07
Repairs	5.24
Repair, machinery	4.06
Custom hire	11.25
Repair, buildings	1.47
Land rent	55.09
Operating interest	3.10
Total direct expenses per acre	92.21
Return over direct exp per acre	92.15
Overhead Expenses	
Custom hire	0.87
Hired labor	4.26
Machinery leases	0.50
Farm insurance	1.75
Utilities	2.38
Dues & professional fees	0.97
Interest	0.94
Mach & bldg depreciation	11.65
Miscellaneous	3.29
Total overhead expenses per acre	26.62
Total dir & ovhd expenses per acre	118.83
Net return per acre	65.53
Government payments	-
Net return with govt pmts	65.53
Labor & management charge	10.90
Net return over lbr & mgt	54.63
Cost of Production	
Total direct expense per ton	51.23
Total dir & ovhd exp per ton	66.02
Less govt & other income	61.94
With labor & management	68.00
Net value per unit	98.35
Machinery cost per acre	38.81
Est. labor hours per acre	0.72

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Pasture on Cash Rent

	<u>Avg. Of</u> <u>All Farms</u>
Number of farms	6
Acres	720.82
Yield per acre (aum)	1.05
Operators share of yield %	100.00
Value per aum	39.54
Total product return per acre	41.69
Other crop income per acre	4.83
Gross return per acre	46.52
Direct Expenses	
Fertilizer	3.30
Crop chemicals	0.51
Crop insurance	0.51
Fuel & oil	0.83
Repairs	0.79
Repair, machinery	0.72
Custom hire	0.12
Repair, buildings	0.14
Land rent	38.27
Operating interest	0.47
Total direct expenses per acre	45.65
Return over direct exp per acre	0.86
Overhead Expenses	
Hired labor	0.90
Machinery leases	0.37
Farm insurance	0.30
Utilities	0.39
Interest	0.14
Mach & bldg depreciation	2.24
Miscellaneous	2.71
Total overhead expenses per acre	7.05
Total dir & ovhd expenses per acre	52.71
Net return per acre	-6.19
Government payments	-
Net return with govt pmts	-6.19
Labor & management charge	2.32
Net return over lbr & mgt	-8.51
Cost of Production	
Total direct expense per aum	43.31
Total dir & ovhd exp per aum	50.00
Less govt & other income	45.42
With labor & management	47.62
Net value per unit	39.54
Machinery cost per acre	5.15
Est. labor hours per acre	0.16

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Soybeans on Owned Land

	<u>Avg. Of All Farms</u>
Number of farms	8
Acres	297.14
Yield per acre (bu.)	52.49
Operators share of yield %	100.00
Value per bu.	11.42
Other product return per acre	1.22
Total product return per acre	600.62
Crop insurance per acre	3.52
Gross return per acre	604.14
Direct Expenses	
Seed and plants	55.50
Fertilizer	34.60
Crop chemicals	51.14
Crop insurance	13.70
Fuel & oil	12.89
Repairs	23.42
Repair, machinery	18.61
Custom hire	1.59
Repair, buildings	3.41
Marketing	0.98
Operating interest	5.75
Miscellaneous	3.48
Total direct expenses per acre	225.07
Return over direct exp per acre	379.07
Overhead Expenses	
Custom hire	4.66
Hired labor	32.54
Machinery leases	2.22
RE & pers. property taxes	11.58
Farm insurance	7.37
Utilities	8.20
Dues & professional fees	2.81
Interest	13.99
Mach & bldg depreciation	63.04
Miscellaneous	9.86
Total overhead expenses per acre	156.27
Total dir & ovhd expenses per acre	381.34
Net return per acre	222.80
Government payments	9.28
Net return with govt pmts	232.08
Labor & management charge	43.19
Net return over lbr & mgt	188.90
Cost of Production	
Total direct expense per bu.	4.29
Total dir & ovhd exp per bu.	7.26
Less govt & other income	7.00
With labor & management	7.82
Net value per unit	11.42
Machinery cost per acre	115.29
Est. labor hours per acre	2.02

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Soybeans on Cash Rent

	<u>Avg. Of All Farms</u>
Number of farms	14
Acres	560.11
Yield per acre (bu.)	42.60
Operators share of yield %	100.00
Value per bu.	10.96
Other product return per acre	0.32
Total product return per acre	467.26
Crop insurance per acre	7.62
Other crop income per acre	0.24
Gross return per acre	475.12
Direct Expenses	
Seed and plants	59.61
Fertilizer	11.08
Crop chemicals	48.56
Crop insurance	13.71
Fuel & oil	15.56
Repairs	18.86
Repair, machinery	19.37
Custom hire	0.99
Repair, buildings	3.85
Land rent	118.79
Marketing	0.08
Operating interest	12.91
Miscellaneous	1.53
Total direct expenses per acre	324.89
Return over direct exp per acre	150.23
Overhead Expenses	
Custom hire	4.75
Hired labor	20.20
Machinery leases	10.45
Farm insurance	5.56
Utilities	6.52
Dues & professional fees	1.76
Interest	1.63
Mach & bldg depreciation	29.60
Miscellaneous	9.23
Total overhead expenses per acre	89.71
Total dir & ovhd expenses per acre	414.60
Net return per acre	60.52
Government payments	8.71
Net return with govt pmts	69.23
Labor & management charge	36.25
Net return over lbr & mgt	32.98
Cost of Production	
Total direct expense per bu.	7.63
Total dir & ovhd exp per bu.	9.73
Less govt & other income	9.34
With labor & management	10.19
Net value per unit	10.96
Machinery cost per acre	97.23
Est. labor hours per acre	1.82

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Prevented planting on Cash Rent

	<u>Avg. Of All Farms</u>
Number of farms	5
Acres	54.17
Yield per acre	-
Operators share of yield %	-
Value per 0	-
Other product return per acre	15.51
Total product return per acre	15.51
Crop insurance per acre	153.76
Gross return per acre	169.26
Direct Expenses	
Seed and plants	7.96
Fertilizer	7.78
Crop chemicals	6.95
Cover crop expense	3.69
Crop insurance	11.47
Fuel & oil	4.14
Repairs	3.20
Repair, machinery	6.07
Custom hire	3.51
Repair, buildings	0.57
Hired labor	5.08
Land rent	87.21
Operating interest	1.29
Total direct expenses per acre	148.92
Return over direct exp per acre	20.34
Overhead Expenses	
Custom hire	0.31
Hired labor	4.66
Machinery leases	0.53
Building leases	0.12
Farm insurance	2.05
Utilities	1.79
Dues & professional fees	0.48
Interest	0.52
Mach & bldg depreciation	11.28
Miscellaneous	23.59
Total overhead expenses per acre	45.33
Total dir & ovhd expenses per acre	194.26
Net return per acre	-24.99
Government payments	29.47
Net return with govt pmts	4.47
Labor & management charge	14.11
Net return over lbr & mgt	-9.64
Net value per unit	-
Machinery cost per acre	27.32
Est. labor hours per acre	0.90