

Minnesota Cow Calf Business Report

2010

University of Minnesota Extension Beef Team

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Minnesota Cow Calf Business Report
2010
Cow Herd Performance

<u>Metric</u>	<u>%</u>
Pregnancy percentage	96.3
Culling percentage	11.9
Calving percentage	94.3
Weaning percentage	88.4
Calf Death Loss	5
Cow Death Loss	2.5
Average Weaning Weight	543
Lbs. Weaned per Cow Exposed	480
Feed Cost per Cow	\$363.95
Average Price of Calves Sold (cwt.)	\$114.99

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Average Cost per Cow

	\$
Operating Expenses	
Protein	\$ 25.93
Complete Ration	\$ 10.00
Corn	\$ 5.16
Corn Silage	\$ 55.43
Alfalfa Hay	\$ 69.80
Grass Hay	\$ 118.91
Pasture	\$ 41.45
Other Feed	\$ 37.28
Veterinary	\$ 21.21
Supplies	\$ 24.74
Fuel & Oil	\$ 23.63
Repairs	\$ 29.43
Bedding	\$ 3.44
Operating interest	\$ 11.85
Total Operating Expenses	\$ 478.26
Fixed Costs	
Hired Labor	\$ 5.01
Insurance	\$ 10.14
Utilities	\$ 10.60
Dues & Professional Fees	\$ 3.98
Interest	\$ 31.09
Machinery & Bldg Depreciation	\$ 34.45
Miscellaneous	\$ 16.04
Total Fixed Costs (\$/hd)	\$ 111.31
Total Cost (\$/hd)	\$ 589.57
Adjusted Cow Cost (\$/hd)	\$ 666.93
Calf Cost Breakeven (\$/lb.)	\$ 1.23

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Cow Herd Performance by Region

Metric	NE	NW	SE	SW
Pregnancy percentage	95.6	97.2	94.9	95.3
Culling percentage	8	12.9	11.3	13.7
Calving percentage	93.6	95.3	93.8	92.6
Weaning percentage	88.4	89	87.2	87.8
Calf Death Loss	3.1	5.2	5.1	5.6
Cow Death Loss	4.2	1.8	2.1	1.8
Average Weaning Weight	528	565	541	525
Lbs. Weaned per Cow Exposed	467	502	472	461
Feed Cost per Cow	\$ 359.26	\$ 379.04	\$ 346.19	\$ 406.05
Average Price of Calves Sold (cwt.)	\$ 118.79	\$ 110.99	\$ 120.29	\$ 111.18

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Average Cost per Cow by Region

Operating Expenses	NE	NW	SE	SW
Protein	\$ 31.79	\$ 19.12	\$ 27.62	\$ 21.09
Complete Ration	\$ 16.33		\$ 10.22	\$ 39.81
Corn			\$ 3.12	\$ 6.75
Corn Silage	\$ 49.01	\$ 49.48	\$ 52.40	\$ 84.02
Alfalfa Hay	\$ 24.12	\$ 62.36	\$ 155.32	\$ 138.98
Grass Hay	\$ 184.41	\$ 138.95	\$ 29.36	\$ 45.68
Pasture	\$ 26.86	\$ 53.52	\$ 30.40	\$ 49.01
Other Feed	\$ 26.75	\$ 42.20	\$ 37.75	\$ 20.70
Veterinary	\$ 13.97	\$ 23.04	\$ 16.41	\$ 53.25
Supplies	\$ 15.28	\$ 23.50	\$ 18.41	\$ 22.04
Fuel & Oil	\$ 20.67	\$ 26.77	\$ 21.69	\$ 30.85
Repairs	\$ 27.73	\$ 28.48	\$ 39.44	\$ 28.12
Bedding				
Operating interest	\$ 16.50	\$ 8.63	\$ 8.04	\$ 8.04
Total Operating Expenses	\$ 453.42	\$ 476.05	\$ 450.18	\$ 548.34
Fixed Costs				
Hired Labor	\$ 1.72	\$ 5.15	\$ 7.50	\$ 8.69
Insurance	\$ 11.77	\$ 8.58		\$ 8.89
Utilities	\$ 8.96	\$ 9.28	\$ 15.29	\$ 11.63
Dues & Professional Fees	\$ 2.92	\$ 5.74		
Interest	\$ 57.10	\$ 18.77	\$ 23.71	\$ 18.11
Machinery & Bldg Depreciation	\$ 35.92	\$ 24.88	\$ 46.08	\$ 37.10
Miscellaneous	\$ 23.02	\$ 9.33	\$ 32.82	\$ 15.79
Total Fixed Costs (\$/hd)	\$ 141.41	\$ 81.73	\$ 125.40	\$ 100.21
Total Cost (\$/hd)	\$ 594.83	\$ 557.78	\$ 575.58	\$ 648.55
Adjusted Cow Cost (\$/hd)	\$ 672.88	\$ 626.72	\$ 660.07	\$ 738.67
Calf Cost Breakeven (\$/lb.)	\$ 1.27	\$ 1.11	\$ 1.22	\$ 1.41

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Corn Silage Average Cost

Operating Expenses

Seed	87.86
Fertilizer	66.21
Crop chemicals	27.66
Crop insurance	11.77
Storage	3.09
Packaging and supplies	0.96
Fuel & oil	38.78
Repairs	48.83
Custom hire	42.69
Hired labor	3.18
Land rent	114.32
Machinery leases	2.12
Utilities	0.37
Hauling and trucking	0.11
Marketing	0.35
Operating interest	8.57
Miscellaneous	7.00

Total Operating Costs **\$ 463.87**

Fixed Costs

Custom hire	1.38
Hired labor	19.79
Machinery leases	2.54
Building leases	2.36
Farm insurance	5.55
Utilities	3.91
Dues & professional fees	2.64
Interest	9.45
Machinery & bldg depreciation	38.84
Miscellaneous	6.25

Total Fixed Costs **\$ 92.71**

Average yield **22.71**

Total Cost per acre **\$ 556.58**

Total Cost per ton **\$ 24.51**

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Corn Silage Average Cost by Region

Operating Expenses	NE	NW	SE	SW
Seed	66.29	69.15	99.62	98.03
Fertilizer	56.17	56.13	73.73	85.72
Crop chemicals	22.51	15.26	32.60	21.98
Crop insurance	11.25	12.09	9.52	9.59
Storage	2.62	0.00	3.54	0.00
Packaging and supplies	4.14	0.17	0.86	0.00
Fuel & oil	35.17	24.24	44.58	33.06
Repairs	46.06	35.43	51.27	32.74
Custom hire	25.27	13.41	61.00	14.40
Hired labor	5.46	1.05	6.15	0.49
Land rent	37.64	47.30	155.03	145.56
Machinery leases	0.89	0.00	4.15	0.00
Utilities	0.83	0.00	0.64	0.00
Hauling and trucking	0.49	0.45	5.91	0.23
Operating interest	6.01	9.16	0.63	2.37
Miscellaneous	3.69	1.28	11.07	7.00
Total Operating Costs	\$ 324.49	\$ 285.12	\$ 560.30	\$ 451.17
Fixed Costs				
Custom hire	0.98	5.72	1.72	0.00
Hired labor	14.89	7.83	21.60	11.48
Machinery leases	3.80	4.20	2.53	0.92
Building leases	1.62	0.79	3.20	0.07
Farm insurance	5.00	4.26	4.63	6.47
Utilities	4.07	4.26	2.89	4.39
Dues & professional fees	1.63	2.38	2.44	1.19
Interest	13.89	8.66	7.74	4.96
Machinery & bldg depreciation	42.00	23.65	37.86	31.77
Miscellaneous	6.63	7.12	7.35	2.28
Total Fixed Costs	\$ 94.51	\$ 68.87	\$ 91.96	\$ 63.53
Average yield	19.09	18.39	25.52	23.17
Total Cost per acre	\$ 419.00	\$ 353.99	\$ 652.26	\$ 514.70
Total Cost per ton	\$ 21.95	\$ 19.25	\$ 25.56	\$ 22.21

Minnesota Cow Calf Business Report
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Grass Hay Average Cost

Operating Expenses

Seed	0.23
Fertilizer	8.04
Crop insurance	0.57
Storage	0.05
Packaging and supplies	0.02
Fuel & oil	15.54
Repairs	16.96
Custom hire	4.12
Hired labor	0.60
Land rent	29.72
Machinery leases	0.99
Hauling and trucking	0.00
Operating interest	3.66
Miscellaneous	1.64

Total Operating Costs **\$ 82.14**

Fixed Costs

Hired labor	4.28
Machinery leases	0.82
Building leases	0.46
Farm insurance	2.13
Utilities	1.42
Dues & professional fees	0.61
Interest	4.37
Machinery & bldg depreciation	16.05
Miscellaneous	2.67

Total Fixed Costs **\$ 32.81**

Average yield **2.03**

Total Cost per acre **\$ 114.95**

Total Cost per ton **\$ 56.63**

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Grass Hay Average Cost by Region

Operating Expenses	NE	NW	SE	SW
Seed	0.39	0	0	0
Fertilizer	8.88	15.74	20.66	0.37
Crop insurance	0.78	0.54	1.42	0
Storage	0.06	0	0	0
Packaging and supplies	0.01	0	0.52	0
Fuel & oil	16.13	7.28	11.79	13.35
Repairs	15.60	8.55	18.18	21.35
Custom hire	2.84	0	18.87	5.81
Hired labor	0.94	0.03	0	0
Land rent	15.16	13.74	130.22	57.13
Machinery leases	0.44	0	0	0.06
Hauling and trucking	0.00	0	0	0
Operating interest	3.53	1.08	8.07	7.51
Miscellaneous	1.51	1.87	0.8	1.22
Total Operating Costs	\$ 66.27	\$ 48.83	\$ 210.53	\$ 106.80
Fixed Costs				
Hired labor	2.11	0.92	5.77	9
Machinery leases	0.55	0	0.2	0.42
Building leases	0.27	0	2.62	0.42
Farm insurance	1.82	1.21	3.27	2.73
Utilities	0.75	1.59	1.84	2.88
Dues & professional fees	0.37	0.36	1.22	0.85
Interest	4.83	3.12	3.23	1.96
Machinery & bldg depreciation	14.63	14.28	18.52	13.41
Miscellaneous	2.41	0.91	3.4	3.08
Total Fixed Costs	\$ 27.74	\$ 22.39	\$ 40.07	\$ 34.75
Average yield	1.81	1.99	3.5	2.87
Total Cost per acre	\$ 94.01	\$ 71.22	\$ 250.60	\$ 141.55
Total Cost per ton	\$ 51.94	\$ 35.79	\$ 71.60	\$ 49.32

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Grass Pasture Average Cost

Operating Expenses

Fertilizer	0.41
Crop insurance	0.48
Fuel & oil	3.15
Repairs	3.72
Land rent	14.45
Operating interest	0.50
Miscellaneous	1.10

Total Operating Costs \$ 23.81

Fixed Costs

Hired labor	0.40
Machinery leases	0.32
Farm insurance	0.42
Utilities	0.27
Interest	0.61
Machinery & bldg depreciation	2.34
Miscellaneous	1.31

Total Fixed Costs \$ 5.67

Average yield (AUM) 2.25

Total Cost per acre \$ 29.48

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Grass Pasture Average Cost by Region

Operating Expenses	NE	NW	SE	SW
Seed	0.00	0.00		0.00
Fertilizer	0.10	0.13		2.53
Fuel & oil	3.48	2.49		3.07
Repairs	4.13	2.77		2.98
Hired Labor	0.60	0.58		2.11
Land rent	9.68	14.99		48.85
Operating interest	0.51	0.52		0.87
Miscellaneous	0.49	0.44		0.00
Total Operating Costs	\$ 18.99	\$ 21.92	\$ -	\$ 60.41
Fixed Costs				
Hired labor	0.22	0.52		0.79
Building Leases	0.86	0.00		0.00
Machinery leases	0.00	0.46		0.06
Farm insurance	0.26	0.55		0.75
Utilities	0.00	0.39		0.79
Dues & professional fees	0.00	0.20		0.04
Interest	0.52	0.59		0.23
Machinery & bldg depreciation	1.80	2.33		1.74
Miscellaneous	0.92	0.73		0.66
Total Fixed Costs	\$ 4.58	\$ 5.77	\$ -	\$ 5.06
Average yield (AUM)	1.36	2.90		1.94
Total Cost per acre	\$ 23.57	\$ 27.69	\$ -	\$ 65.47

