

Minnesota Cow Calf Business Report

2014

University of Minnesota Extension Beef Team

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Minnesota Cow Calf Business Report
2014
Cow Herd Performance

<u>Metric</u>	<u>%</u>
Pregnancy percentage	96.6
Culling percentage	13.6
Calving percentage	93.3
Weaning percentage	87
Calf Death Loss	5.9
Cow Death Loss	2.4
Average Weaning Weight	535
Lbs. Weaned per Cow Exposed	465
Feed Cost per Cow	\$506.07
Average Price of Calves Sold (cwt.)	\$216.67

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Average Cost per Cow

	\$
Operating Expenses	
Protein	\$ 38.23
Complete Ration	\$ 26.05
Corn	\$ 12.77
Corn Silage	\$ 90.70
Alfalfa Hay	\$ 75.18
Grass Hay	\$ 162.29
Pasture	\$ 61.23
Other Feed	\$ 39.62
Veterinary	\$ 27.77
Supplies	\$ 45.08
Fuel & Oil	\$ 38.12
Repairs	\$ 43.79
Bedding	\$ 7.45
Operating interest	\$ 12.56
Total Operating Expenses	\$ 680.84
Fixed Costs	
Hired Labor	\$ 10.03
Insurance	\$ 16.34
Utilities	\$ 17.31
Dues & Professional Fees	\$ 7.89
Interest	\$ 25.63
Machinery & Bldg Depreciation	\$ 52.24
Miscellaneous	\$ 22.04
Total Fixed Costs (\$/hd)	\$ 151.48
Total Cost (\$/hd)	\$ 832.32
Adjusted Cow Cost (\$/hd)	\$ 956.68
Calf Cost Breakeven (\$/lb.)	\$ 1.78

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Cow Herd Performance by Region

Metric	NE	NW	SE	SW
Pregnancy percentage	96.9	97	94.7	95.7
Culling percentage	9.8	17.4	15	14.1
Calving percentage	90	95.3	93.2	93.9
Weaning percentage	82.9	89.6	88.2	88.9
Calf Death Loss	7.1	4.6	3.8	6.1
Cow Death Loss	3.6	1.5	1.7	2.2
Average Weaning Weight	473	578	586	528
Lbs. Weaned per Cow Exposed	392	518	516	469
Feed Cost per Cow	\$ 531.46	\$ 426.11	\$ 497.73	\$ 550.47
Average Price of Calves Sold (cwt.)	\$ 237.68	\$ 199.60	\$ 169.91	\$ 161.22

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Average Cost per Cow by Region

Operating Expenses	NE	NW	SE	SW
Protein	31.96	27.66	32.30	46.37
Complete Ration	33.79		4.96	96.93
Corn			9.13	20.95
Corn Silage	65.89	80.60	79.61	129.42
Alfalfa Hay	21.43	43.42	294.76	92.57
Grass Hay	269.84	125.72		86.25
Pasture	77.51	64.41	31.45	60.52
Other Feed	31.03	41.25	45.16	17.12
Veterinary	14.90	33.67	42.32	38.50
Supplies	27.19	48.77	37.89	30.98
Fuel & Oil	29.25	45.42	24.42	60.95
Repairs	46.99	44.87	40.88	36.93
Bedding			18.87	2.59
Operating interest	8.95	7.93	27.87	
Total Operating Expenses	\$ 658.73	\$ 563.72	\$ 689.62	\$ 720.08
Fixed Costs				
Hired Labor	2.71	10.23	12.65	22.70
Insurance	17.54	16.35		13.15
Utilities	15.64	12.01	24.06	12.69
Dues & Professional Fees	5.54	7.88		
Interest	35.09	25.93	17.30	7.34
Machinery & Bldg Depreciation	52.33	35.01	61.14	68.43
Miscellaneous	21.69	15.93	45.82	24.20
Total Fixed Costs (\$/hd)	\$ 150.54	\$ 123.34	\$ 160.97	\$ 148.51
Total Cost (\$/hd)	\$ 809.27	\$ 687.06	\$ 850.59	\$ 868.59
Adjusted Cow Cost (\$/hd)	\$ 976.20	\$ 766.80	\$ 964.38	\$ 977.04
Calf Cost Breakeven (\$/lb.)	\$ 2.06	\$ 1.32	\$ 1.64	\$ 1.85

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Corn Silage Average Cost

Operating Expenses

Seed	107.34
Fertilizer	90.41
Crop chemicals	32.26
Crop insurance	16.99
Storage	3.51
Packaging and supplies	2.9
Fuel & oil	54.5
Repairs	72.68
Custom hire	43.16
Hired labor	3.87
Land rent	157.73
Machinery leases	8.57
Utilities	0.58
Hauling and trucking	0.99
Marketing	0.37
Operating interest	5.25
Miscellaneous	5.15
Total Operating Costs	\$ 606.26

Fixed Costs

Custom hire	0.15
Hired labor	32.2
Machinery leases	7.39
Building leases	2.79
Farm insurance	7.41
Utilities	4.97
Dues & professional fees	3.26
Interest	10.58
Machinery & bldg depreciation	53.55
Miscellaneous	7.61
Total Fixed Costs	\$ 129.91

Average yield	17.06
Total Cost per acre	\$ 736.17
Total Cost per ton	\$ 43.15

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Corn Silage Average Cost by Region

Operating Expenses	NE	NW	SE	SW
Seed	90.12	92.69	124.70	119.66
Fertilizer	95.32	77.27	99.47	130.90
Crop chemicals	24.99	27.80	43.19	35.36
Crop insurance	20.49	8.40	11.55	13.10
Storage	0.50	1.30	3.08	0.80
Packaging and supplies	7.90	0.00	2.94	0.00
Fuel & oil	52.44	43.38	55.97	29.05
Repairs	65.50	56.86	81.31	39.15
Custom hire	21.90	26.62	72.95	28.97
Hired labor	1.73	1.21	9.51	4.84
Land rent	87.78	43.21	220.90	197.26
Machinery leases	17.97	0.00	9.19	1.94
Utilities	0.55	0.00	1.70	1.23
Hauling and trucking	0.44	0.00	3.68	0.00
Operating interest	4.27	5.08	3.60	8.40
Miscellaneous	2.89	0.34	8.00	1.14
Total Operating Costs	\$ 494.79	\$ 384.16	\$ 751.74	\$ 611.80
Fixed Costs				
Custom hire	0.00	0.05	0.32	0.00
Hired labor	29.66	21.33	20.34	6.28
Machinery leases	7.75	5.38	4.79	5.92
Building leases	0.41	0.06	6.14	4.90
Farm insurance	5.10	9.50	6.62	8.48
Utilities	4.71	5.67	2.71	6.45
Dues & professional fees	3.49	4.05	3.86	1.37
Interest	10.18	7.52	11.99	4.39
Machinery & bldg depreciation	55.66	38.06	47.88	63.69
Miscellaneous	5.53	9.66	7.56	7.09
Total Fixed Costs	\$ 122.49	\$ 101.28	\$ 112.21	\$ 108.57
Average yield	12.35	14.72	23.27	17.89
Total Cost per acre	\$ 617.28	\$ 485.44	\$ 863.95	\$ 720.37
Total Cost per ton	\$ 49.98	\$ 32.98	\$ 37.13	\$ 40.27

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Grass Hay Average Cost

Operating Expenses

Seed	0.43
Fertilizer	16.75
Crop insurance	0.07
Storage	0.69
Packaging and supplies	0.79
Fuel & oil	20.35
Repairs	27.49
Custom hire	5.10
Hired labor	1.25
Land rent	57.36
Machinery leases	0.68
Hauling and trucking	0.62
Operating interest	4.98
Miscellaneous	0.91

Total Operating Costs **\$ 137.47**

Fixed Costs

Hired labor	13.97
Machinery leases	2.23
Building leases	0.83
Farm insurance	3.09
Utilities	2.37
Dues & professional fees	1.15
Interest	4.77
Machinery & bldg depreciation	22.81
Miscellaneous	3.85

Total Fixed Costs **\$ 55.07**

Average yield **2.22**

Total Cost per acre **\$ 192.54**

Total Cost per ton **\$ 86.73**

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Grass Hay Average Cost by Region

Operating Expenses	NE	NW	SE	SW
Seed	0.24	0	-	3.93
Fertilizer	20.72	35.31	-	1
Crop insurance	0.00	1.74	-	0
Storage	0.15	0	-	0
Packaging and supplies	1.16	0	-	0
Fuel & oil	18.91	27.62	-	21.62
Repairs	24.39	29.75	-	41.69
Custom hire	3.57	1.02	-	0.98
Hired labor	1.48	0	-	1.85
Land rent	39.83	43.53	-	76.62
Machinery leases	0.97	0	-	0
Hauling and trucking	0.00	0	-	9.69
Operating interest	4.90	6.58	-	1.35
Miscellaneous	0.13	5.17	-	1.57
Total Operating Costs	\$ 116.45	\$ 150.72	\$ -	\$ 160.30
Fixed Costs				
Hired labor	12.74	5.69	-	11.6
Machinery leases	2.67	0.09	-	0
Building leases	0.62	0.00	-	1.35
Farm insurance	1.96	10.58	-	4.43
Utilities	1.50	6.51	-	4.87
Dues & professional fees	0.87	6.09	-	0.06
Interest	4.91	10.43	-	3.15
Machinery & bldg depreciation	23.05	14.87	-	20.83
Miscellaneous	2.06	6.40	-	11.57
Total Fixed Costs	\$ 50.38	\$ 60.66	\$ -	\$ 57.86
Average yield	1.98	2.38	-	2.25
Total Cost per acre	\$ 166.83	\$ 211.38	\$ -	\$ 218.16
Total Cost per ton	\$ 84.26	\$ 88.82	-	\$ 96.96

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Grass Pasture Average Cost

Operating Expenses

Fertilizer	0.48
Crop insurance	0.09
Fuel & oil	3.16
Repairs	4.15
Land rent	18.21
Operating interest	0.48
Miscellaneous	0.39

Total Operating Costs \$ 26.96

Fixed Costs

Hired labor	1.43
Machinery leases	0.62
Farm insurance	0.62
Utilities	0.40
Interest	0.49
Machinery & bldg depreciation	3.37
Miscellaneous	0.77

Total Fixed Costs \$ 7.70

Average yield (AUM) 1.61

Total Cost per acre \$ 34.66

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Grass Pasture Average Cost by Region

Operating Expenses	NE	NW	SE	SW
Seed	0.00	0.00		
Fertilizer	0.00	0.00		
Fuel & oil	3.60	3.14		
Repairs	4.45	4.55		
Hired Labor	0.00	0.00		
Land rent	16.33	13.57		
Operating interest	0.79	0.34		
Miscellaneous	0.04	0.07		
Total Operating Costs	\$ 25.21	\$ 21.67	\$ -	\$ -
Fixed Costs				
Hired labor	2.67	1.33		
Building Leases	0.15	0.00		
Machinery leases	0.00	0.96		
Farm insurance	0.45	0.70		
Utilities	0.00	0.38		
Dues & professional fees	0.00	0.25		
Interest	0.74	0.45		
Machinery & bldg depreciation	2.94	3.32		
Miscellaneous	1.51	0.26		
Total Fixed Costs	\$ 8.46	\$ 7.65	\$ -	\$ -
Average yield (AUM)	1.53	1.49		
Total Cost per acre	\$ 33.67	\$ 29.32	\$ -	\$ -

