

Minnesota Cow Calf Business Report

2013

University of Minnesota Extension Beef Team

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Minnesota Cow Calf Business Report
2013
Cow Herd Performance

<u>Metric</u>	<u>%</u>
Pregnancy percentage	95.8
Culling percentage	13
Calving percentage	93.9
Weaning percentage	84.9
Calf Death Loss	8.8
Cow Death Loss	2.7
Average Weaning Weight	508
Lbs. Weaned per Cow Exposed	431
Feed Cost per Cow	\$495.15
Average Price of Calves Sold (cwt.)	\$145.22

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Average Cost per Cow

	\$
Operating Expenses	
Protein	\$ 36.51
Complete Ration	\$ 24.66
Corn	\$ 9.83
Corn Silage	\$ 84.08
Alfalfa Hay	\$ 77.72
Grass Hay	\$ 184.89
Pasture	\$ 39.04
Other Feed	\$ 38.42
Veterinary	\$ 26.51
Supplies	\$ 43.17
Fuel & Oil	\$ 34.49
Repairs	\$ 35.05
Bedding	\$ 2.80
Operating interest	\$ 7.13
Total Operating Expenses	\$ 644.30
Fixed Costs	
Hired Labor	\$ 5.76
Insurance	\$ 11.75
Utilities	\$ 10.90
Dues & Professional Fees	\$ 4.79
Interest	\$ 24.30
Machinery & Bldg Depreciation	\$ 36.26
Miscellaneous	\$ 15.11
Total Fixed Costs (\$/hd)	\$ 108.87
Total Cost (\$/hd)	\$ 753.17
Adjusted Cow Cost (\$/hd)	\$ 887.71
Calf Cost Breakeven (\$/lb.)	\$ 1.74

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Cow Herd Performance by Region

Metric	NE	NW	SE	SW
Pregnancy percentage	94.2	98.5	93.5	97.9
Culling percentage	8.8	13.7	13.6	17.5
Calving percentage	91	97.9	93	93.2
Weaning percentage	79.6	90.8	81.3	86.1
Calf Death Loss	8.9	7.5	11.5	7.6
Cow Death Loss	2.7	3.4	2.2	2.5
Average Weaning Weight	487	563	501	432
Lbs. Weaned per Cow Exposed	388	511	408	372
Feed Cost per Cow	\$ 482.43	\$ 413.18	\$ 635.87	\$ 576.18
Average Price of Calves Sold (cwt.)	\$ 155.73	\$ 150.51	\$ 170.59	\$ 157.16

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Average Cost per Cow by Region

Operating Expenses	NE	NW	SE	SW
Protein	29.40	36.54	30.94	33.19
Complete Ration	31.16		48.69	62.93
Corn			18.25	14.70
Corn Silage	64.52	77.64	74.04	141.95
Alfalfa Hay	5.79	71.97	295.84	141.30
Grass Hay	292.32	132.36	28.64	70.27
Pasture	39.46	48.77	28.24	48.06
Other Feed	19.77	20.00	55.02	34.87
Veterinary	13.64	32.42	26.34	48.25
Supplies	21.61	43.73	19.34	43.13
Fuel & Oil	25.73	41.29	19.65	45.25
Repairs	38.37	32.70	14.24	32.00
Bedding				0.98
Operating interest	4.20	6.06	8.46	
Total Operating Expenses	\$ 585.97	\$ 543.48	\$ 667.69	\$ 716.88
Fixed Costs				
Hired Labor	2.49	2.84	20.28	2.90
Insurance	11.52	12.82		9.36
Utilities	8.24	11.07	16.14	5.36
Dues & Professional Fees	2.38	8.38		
Interest	32.73	24.43	12.48	12.05
Machinery & Bldg Depreciation	31.31	23.43	42.59	58.61
Miscellaneous	12.28	20.15	29.84	16.52
Total Fixed Costs (\$/hd)	\$ 100.95	\$ 103.12	\$ 121.33	\$ 104.80
Total Cost (\$/hd)	\$ 686.92	\$ 646.60	\$ 789.02	\$ 821.68
Adjusted Cow Cost (\$/hd)	\$ 862.96	\$ 712.11	\$ 970.50	\$ 954.33
Calf Cost Breakeven (\$/lb.)	\$ 1.77	\$ 1.26	\$ 1.93	\$ 2.20

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Corn Silage Average Cost

Operating Expenses

Seed	104.7
Fertilizer	93.91
Crop chemicals	34.84
Crop insurance	21.45
Storage	3.21
Packaging and supplies	3.29
Fuel & oil	54.99
Repairs	65.06
Custom hire	44.33
Hired labor	4.16
Land rent	136.85
Machinery leases	2.51
Utilities	0.61
Hauling and trucking	0.53
Marketing	0.16
Operating interest	6.35
Miscellaneous	7.74

Total Operating Costs **\$ 584.69**

Fixed Costs

Custom hire	0.21
Hired labor	30.63
Machinery leases	6
Building leases	3.79
Farm insurance	6.8
Utilities	4.46
Dues & professional fees	3.59
Interest	11.3
Machinery & bldg depreciation	47.88
Miscellaneous	6.23

Total Fixed Costs **\$ 120.89**

Average yield 16.39

Total Cost per acre **\$ 705.58**

Total Cost per ton **\$ 43.05**

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Corn Silage Average Cost by Region

Operating Expenses	NE	NW	SE	SW
Seed	87.73	83.56	121.50	120.68
Fertilizer	88.86	80.00	111.20	141.99
Crop chemicals	30.90	23.25	38.08	34.98
Crop insurance	26.44	12.27	15.35	17.77
Storage	0.32	0.00	3.92	0.00
Packaging and supplies	8.77	0.00	1.78	0.00
Fuel & oil	52.07	38.50	55.25	38.24
Repairs	58.30	49.68	68.44	59.97
Custom hire	42.60	18.43	70.51	6.67
Hired labor	7.28	2.73	7.31	0.00
Land rent	60.87	55.13	206.80	165.65
Machinery leases	0.44	0.00	9.60	0.00
Utilities	0.73	0.00	1.69	0.00
Hauling and trucking	0.46	0.00	1.21	0.00
Operating interest	4.88	8.26	6.30	4.30
Miscellaneous	4.06	0.30	13.86	1.72
Total Operating Costs	\$ 474.71	\$ 372.11	\$ 732.80	\$ 591.97
Fixed Costs				
Custom hire	0.00	0.00	0.00	0.00
Hired labor	28.11	25.05	22.31	11.38
Machinery leases	4.47	5.10	5.99	0.93
Building leases	0.64	0.00	12.83	6.43
Farm insurance	5.51	9.40	6.33	7.21
Utilities	3.89	5.16	2.70	8.42
Dues & professional fees	3.08	3.98	4.68	1.98
Interest	10.94	9.07	11.59	7.53
Machinery & bldg depreciation	49.72	39.78	43.61	57.39
Miscellaneous	3.86	9.16	7.68	7.82
Total Fixed Costs	\$ 110.22	\$ 106.70	\$ 117.72	\$ 109.09
Average yield	10.57	16.42	22.64	19.29
Total Cost per acre	\$ 584.93	\$ 478.81	\$ 850.52	\$ 701.06
Total Cost per ton	\$ 55.34	\$ 29.16	\$ 37.57	\$ 36.34

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Grass Hay Average Cost by Region

Operating Expenses	NE	NW	SE	SW
Seed	2.73	0	23.57	1.11
Fertilizer	14.05	24.55	27.38	11.54
Crop insurance	0.00	1.58	0.00	3.6
Storage	0.60	0	-	0
Packaging and supplies	0.48	1.46	0.00	0
Fuel & oil	25.65	20.88	20.30	15.51
Repairs	22.43	37.18	38.22	13.89
Custom hire	0.94	0	31.78	16.15
Hired labor	1.99	0	0.00	0.44
Land rent	30.11	59.46	178.23	54.45
Machinery leases	0.00	0	0.00	0
Hauling and trucking	0.00	0	0.00	13.13
Operating interest	3.85	1.63	1.67	1.92
Miscellaneous	1.03	0	7.70	0.35
Total Operating Costs	\$ 103.86	\$ 146.74	\$ 328.85	\$ 132.09
Fixed Costs				
Hired labor	10.62	2.48	8.00	8.17
Machinery leases	2.59	0.07	8.71	0
Building leases	1.32	0	0.05	0.32
Farm insurance	2.11	5.44	5.21	2.94
Utilities	1.16	5.97	3.00	2.88
Dues & professional fees	0.74	4.15	2.32	0.22
Interest	4.82	5.16	5.99	4.88
Machinery & bldg depreciation	20.29	27.8	26.45	15.86
Miscellaneous	1.90	5	3.39	6.99
Total Fixed Costs	\$ 45.55	\$ 56.07	\$ 63.12	\$ 42.26
Average yield	1.57	2.65	3.22	1.77
Total Cost per acre	\$ 149.41	\$ 202.81	\$ 391.97	\$ 174.35
Total Cost per ton	\$ 95.17	\$ 76.53	\$ 121.73	\$ 98.50

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Grass Pasture Average Cost by Region

Operating Expenses	NE	NW	SE	SW
Seed	0.00	0.00		9.64
Fertilizer	0.68	0.38		0.00
Fuel & oil	3.96	3.12		2.84
Repairs	3.57	3.11		6.07
Hired Labor	0.00	0.00		0.00
Land rent	12.94	9.66		36.58
Operating interest	0.63	0.41		1.02
Miscellaneous	0.34	0.18		0.00
Total Operating Costs	\$ 22.12	\$ 16.86	\$ -	\$ 56.15
Fixed Costs				
Hired labor	1.88	0.75		1.30
Building Leases	0.19	0.00		0.06
Machinery leases	0.00	0.25		0.00
Farm insurance	0.38	0.32		0.47
Utilities	0.00	0.35		0.54
Dues & professional fees	0.00	0.21		0.08
Interest	0.52	0.49		0.47
Machinery & bldg depreciation	2.23	2.99		4.27
Miscellaneous	0.83	0.71		0.49
Total Fixed Costs	\$ 6.03	\$ 6.07	\$ -	\$ 7.68
Average yield (AUM)	1.70	1.96		2.51
Total Cost per acre	\$ 28.15	\$ 22.93	\$ -	\$ 63.83

