

Minnesota Cow Calf Business Report

2011

University of Minnesota Extension Beef Team

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Minnesota Cow Calf Business Report
2011
Cow Herd Performance

<u>Metric</u>	<u>%</u>
Pregnancy percentage	95.4
Culling percentage	12.4
Calving percentage	93.5
Weaning percentage	87.3
Calf Death Loss	6.1
Cow Death Loss	2.7
Average Weaning Weight	550
Lbs. Weaned per Cow Exposed	480
Feed Cost per Cow	\$394.31
Average Price of Calves Sold (cwt.)	\$130.24

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Average Cost per Cow

	\$
Operating Expenses	
Protein	\$ 30.81
Complete Ration	\$ 15.64
Corn	\$ 16.06
Corn Silage	\$ 64.38
Alfalfa Hay	\$ 77.99
Grass Hay	\$ 113.25
Pasture	\$ 42.97
Other Feed	\$ 33.21
Veterinary	\$ 25.20
Supplies	\$ 36.90
Fuel & Oil	\$ 32.42
Repairs	\$ 39.40
Bedding	\$ 1.19
Operating interest	\$ 9.59
Total Operating Expenses	\$ 539.01
Fixed Costs	
Hired Labor	\$ 5.69
Insurance	\$ 10.68
Utilities	\$ 12.09
Dues & Professional Fees	\$ 4.91
Interest	\$ 27.88
Machinery & Bldg Depreciation	\$ 31.47
Miscellaneous	\$ 18.92
Total Fixed Costs (\$/hd)	\$ 111.64
Total Cost (\$/hd)	\$ 650.65
Adjusted Cow Cost (\$/hd)	\$ 745.30
Calf Cost Breakeven (\$/lb.)	\$ 1.36

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Cow Herd Performance by Region

<u>Metric</u>	<u>NE</u>	<u>NW</u>	<u>SE</u>	<u>SW</u>
Pregnancy percentage	95.7	96.6	92.5	95.9
Culling percentage	7.2	12.9	19	14.4
Calving percentage	92.6	94.6	92.8	93.6
Weaning percentage	87.9	88.4	84.5	88.8
Calf Death Loss	6.1	5.6	6.2	7.7
Cow Death Loss	4.6	1.8	2.7	1.8
Average Weaning Weight	528	578	541	563
Lbs. Weaned per Cow Exposed	464	511	457	500
Feed Cost per Cow	\$ 395.06	\$ 376.63	\$ 458.90	\$ 434.26
Average Price of Calves Sold (cwt.)	\$ 133.37	\$ 129.78	\$ 130.63	\$ 130.36

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Average Cost per Cow by Region

Operating Expenses	NE	NW	SE	SW
Protein	22.91	27.35	35.22	13.32
Complete Ration	29.95		8.71	26.38
Corn			27.73	34.74
Corn Silage	55.85	51.16	63.3	136.11
Alfalfa Hay	26.43	71.03	230.98	92.88
Grass Hay	191.95	99.11	31.94	79.99
Pasture	46.02	57.46	34.94	31.58
Other Feed	21.95	58.26	24.88	18.44
Veterinary	11.73	26.97	28.1	47.5
Supplies	20.79	31.82	20.31	35.34
Fuel & Oil	23.62	33.88	28.28	46.11
Repairs	32.45	34.85	42.55	48.34
Bedding				3.84
Operating interest	6.44	7.09	12.03	
Total Operating Expenses	\$ 490.09	\$ 498.98	\$ 588.97	\$ 614.57
Fixed Costs				
Hired Labor	0.8	5.87	11.37	14.47
Insurance	11.86	10.39		10.36
Utilities	7.12	13	15.71	10.66
Dues & Professional Fees	3.15	6.1		
Interest	38.61	24.52	26.83	10.08
Machinery & Bldg Depreciation	27.77	24.17	46.5	56.09
Miscellaneous	19.57	14.71	39.1	19.36
Total Fixed Costs (\$/hd)	\$ 108.88	\$ 98.76	\$ 139.51	\$ 121.02
Total Cost (\$/hd)	\$ 598.97	\$ 597.74	\$ 728.48	\$ 735.59
Adjusted Cow Cost (\$/hd)	\$ 681.42	\$ 676.17	\$ 862.10	\$ 828.14
Calf Cost Breakeven (\$/lb.)	\$ 1.29	\$ 1.16	\$ 1.59	\$ 1.47

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Corn Silage Average Cost by Region

Operating Expenses	NE	NW	SE	SW
Seed	70.00	65.53	102.75	102.61
Fertilizer	66.30	40.07	110.45	118.16
Crop chemicals	27.00	20.39	31.24	23.59
Crop insurance	22.52	13.18	11.52	16.94
Storage	1.17	0.00	4.21	0.67
Packaging and supplies	4.19	0.00	2.41	0.00
Fuel & oil	54.66	42.32	46.35	40.20
Repairs	57.57	49.40	62.26	42.15
Custom hire	32.13	9.22	80.68	28.11
Hired labor	3.89	1.47	11.69	1.67
Land rent	50.04	48.70	175.47	171.23
Machinery leases	2.31	0.00	3.95	0.70
Utilities	0.81	0.00	1.89	6.00
Hauling and trucking	0.79	0.95	0.00	7.32
Operating interest	4.13	3.58	3.88	1.81
Miscellaneous	3.64	3.97	12.05	7.00
Total Operating Costs	\$ 401.15	\$ 298.78	\$ 660.80	\$ 568.16
Fixed Costs				
Custom hire	0.46	15.79	0.24	0.00
Hired labor	15.48	18.33	13.46	9.60
Machinery leases	5.56	7.27	1.17	0.77
Building leases	1.97	0.33	3.11	0.29
Farm insurance	5.15	6.40	4.41	6.96
Utilities	3.62	5.39	2.15	4.95
Dues & professional fees	2.44	3.37	2.56	1.06
Interest	12.35	7.05	7.38	5.09
Machinery & bldg depreciation	42.57	28.28	35.00	37.13
Miscellaneous	6.18	8.85	8.39	3.43
Total Fixed Costs	\$ 95.78	\$ 101.06	\$ 77.87	\$ 69.28
Average yield	13.66	17.89	23.62	20.17
Total Cost per acre	\$ 496.93	\$ 399.84	\$ 738.67	\$ 637.44
Total Cost per ton	\$ 36.38	\$ 22.35	\$ 31.27	\$ 31.60

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Grass Hay Average Cost by Region

Operating Expenses	NE	NW	SE	SW
Seed	0.00	0	-	0
Fertilizer	6.57	22.75	-	0
Crop insurance	0.20	0.11	-	0
Storage	0.00	0	-	0
Packaging and supplies	2.14	1.97	-	0
Fuel & oil	20.41	19.14	-	16.67
Repairs	20.15	19.04	-	21.12
Custom hire	1.67	3.02	-	20.84
Hired labor	2.34	0.7	-	0
Land rent	18.16	22.29	-	48.19
Machinery leases	0.07	0	-	0
Hauling and trucking	0.00	0	-	14.02
Operating interest	3.96	2.17	-	2.69
Miscellaneous	1.55	3.73	-	0.28
Total Operating Costs	\$ 77.22	\$ 94.92	\$ -	\$ 123.81
Fixed Costs				
Hired labor	2.35	0.88	-	7.17
Machinery leases	2.42	0	-	0.01
Building leases	2.19	0	-	2.16
Farm insurance	1.88	1.65	-	2.76
Utilities	0.90	4.06	-	3.18
Dues & professional fees	0.69	4.14	-	0.09
Interest	3.41	5.37	-	6.73
Machinery & bldg depreciation	14.71	16.12	-	15.67
Miscellaneous	1.89	0.89	-	4.86
Total Fixed Costs	\$ 30.44	\$ 33.11	\$ -	\$ 42.63
Average yield	2.25	2.49	-	2.05
Total Cost per acre	\$ 107.66	\$ 128.03	\$ -	\$ 166.44
Total Cost per ton	\$ 47.85	\$ 51.42	\$ -	\$ 81.19

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Grass Pasture Average Cost by Region

Operating Expenses	NE	NW	SE	SW
Seed	0.53	0.00		0.00
Fertilizer	0.57	0.06		9.72
Fuel & oil	3.75	3.29		3.16
Repairs	3.38	4.16		3.30
Hired Labor	0.92	0.00		1.19
Land rent	8.76	14.82		33.60
Operating interest	0.81	0.47		1.16
Miscellaneous	0.77	0.13		0.00
Total Operating Costs	\$ 19.49	\$ 22.93	\$ -	\$ 52.13
Fixed Costs				
Hired labor	0.61	0.78		0.46
Building Leases	0.34	0.00		0.00
Machinery leases	0.00	0.46		0.07
Farm insurance	0.24	0.67		0.83
Utilities	0.00	0.49		1.04
Dues & professional fees	0.00	0.37		0.04
Interest	0.56	0.50		0.40
Machinery & bldg depreciation	2.43	2.48		3.52
Miscellaneous	1.05	0.85		0.89
Total Fixed Costs	\$ 5.23	\$ 6.60	\$ -	\$ 7.25
Average yield (AUM)	2.27	3.24		1.70
Total Cost per acre	\$ 24.72	\$ 29.53	\$ -	\$ 59.38

