

Estimated Annual Cow Costs for Nebraska 2021

Mature cows calve March/April, 2-yr-old heifers calve February 10				
Wean November 1, 40% of heifer calves kept as replacements				
FEED COSTS: Mature Cows (84% of herd)	Quantity	Price	Cost/Cow	Your Cost
Crop Residue/Range Nov 1 - Feb 28	4 mo	\$25/mo	\$100.00	
Protein Supplement Jan 1 - Feb 28 (alfalfa hay)	200 lb	\$150/ton	\$15.00	
Pasture Mar 1 - May 15 (calving/pairs)	2.5 mo	\$10/mo	\$25.00	
Alfalfa and grass/millet/sorghum sudan hay	2,400 lb	\$120/ton	\$144.00	
Pasture May 15 - Oct 31	5.5 mo	\$50/mo	\$275.00	
Salt and Mineral for 12 months	70 lb	\$0.30/lb	\$21.00	
Total			\$580.00	
FEED COSTS: 2-Yr-Old Heifers (16% of herd)				
Crop Residue/Range Nov 1 - Feb 1	3 mo	\$25/mo	\$75.00	
Protein Supplement Dec 15 - Feb 1 (alfalfa hay)	250 lb	\$150/ton	\$18.75	
Pasture Feb 1 - May 15 (calving/pairs)	3.5 mo	\$10/mo	\$35.00	
Alfalfa and grass/millet/sorghum sudan hay	1.7 ton	\$120/ton	\$204.00	
Pasture May 15 - Oct 31	5.5 mo	\$50/mo	\$275.00	
Salt and Mineral for 12 months	70 lb	\$0.30/lb	\$21.00	
Total			\$628.75	
FEED COSTS: Replacement Heifers (20% of cow herd kept and exposed to breed)				
Crop Residue/Aftermath Nov 1 - Feb 15	3.5 mo	\$20/mo	\$70.00	
Protein Supplement Dec 15 - Feb 15 (alfalfa hay)	300 lb	\$150/ton	\$22.50	
Growing Ration Dry Lot Feb 15 - May 15	3 mo	\$45/mo	\$135.00	
Pasture May 15 - Oct 31	5.5 mo	\$30/mo	165.00	
Salt and Mineral for 12 months	45 lb	\$.30/lb	\$13.50	
Total			\$406.00	
Estimated Annual Bull Feed Costs (1 bull to 25 females)			\$580.00	
TOTAL FEED COSTS/Cow Unit (0.84×mature cows + 0.16×2yr-olds + 0.20×replacements)			\$692.20	
Other Cash Costs (Vet/Med, Equipment/Facilities, Marketing, Interest, etc.)			\$120.00	
Labor	5 hr/yr	\$25.00/hr	\$125.00	
TOTAL OPERATING COSTS			\$937.20	
Ownership Costs				
Interest on Cattle Value (average value over life)	\$1,300	4.0%	\$52.00	
Purchase of bull every 4 years for 30 cows	\$4,000/120		\$33.33	
Taxes and Insurance Buildings and Equipment			\$10.00	
Equipment and Facilities Depreciation			\$30.00	
TOTAL OWNERSHIP COSTS			\$125.33	
TOTAL COSTS EXCLUDING CULL CREDITS			\$1,062.53	
Cull Credits				
Cull cow (16% replace rate) - death loss (1.5%) =	1,250 lb	\$0.65	\$117.81	
Cull heifer (4% opens) - death loss (0.3%) =	850 lb	\$1.40	\$44.03	
Cull bull (1% replace rate) - death loss (0.05%)	1,800 lb	\$0.85	\$14.54	
TOTAL CULL CREDITS			\$176.38	
Capital Cost of Rep. Heifer Calf at Weaning	20% Rep. Rate	\$875	\$175.00	
	Net Capital Cost		\$1.38	
	NET COST PER COW		\$1,063.91	
Cost/calf weaned/cow exposed at 80% = \$1,330; 85% =\$1,252; 90% =\$1,182				